

LAPIDARY & GLASS MACHINERY

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PROUDLY MADE IN REDLANDS, CA - U.S.A.



December 2018,

Another year has come and gone since our last issue and many changes have occurred here at the Covington factory. I am excited to write this letter to you, our loyal customers, because we continue to make improvements to our product as well as extend our line of machines.

In the last year we have purchased two more CNC machines which brings our count up to nine in the shop. These machines allow us to make and design better products for our customers holding tighter tolerances and machining higher quality materials. Several years ago we began producing our sander drums out of 6061 aircraft grade aluminum. We have continued to better our product line by using this material whenever possible. Several of our castings have been upgraded to machined 6061 aluminum which eliminates the possibility of bubbles in the material and minimizes balancing issues.



This year we also expanded our product line to include our new “Mini” Professional Glass Lathe, our very own 10” Chop Saw, and Covington’s newest cutting blade: the “Edge.” The Mini is based on the design of the Professional Glass Lathe with the bead maker in mind. Capable of accepting 2”, 4”, and 6” wheels, the Mini will carve and polish even the smallest of projects. The 10” Chop Saw is an acquisition from JS Gems and originally a Tagit design. This saw has been modified to better suit the needs of both glass and lapidary artists. Now water is dispersed from the center of the blade. The Edge blade is fully manufactured in USA utilizing dependable plating technology that has been tested for over 65 years. These blades will have a thinner kerf and longer diamond life than any other plated diamond blade on the market.

You may have seen me at one of many shows this last year. From coast to coast, I have been busy teaching and demonstrating on our units. I represented Covington at the Kino Gem Show in Tucson this year for two whole weeks! Most recently we supported eight teachers at the Glass Craft & Bead Expo in Las Vegas by supplying equipment to those classrooms. We are always excited to support teachers, educational institutions, and rock clubs with our products and encourage hands on learning with our machines! We were honored to have been invited to several anniversary celebrations for our very own dealers last year which allowed us to make deeper relationships with our customers, dealers, and supporters.

Although I usually like to keep my letters lighthearted, I feel it is my responsibility to let you as the consumer know why so many of our machine prices have increased. With the tariff put on import metals, our industry has seen a price increase on American metals as high as 53% on raw materials. Since many of our products are constructed out of steel and aluminum, our raw material costs have increased thereby increasing the cost of our equipment. I want to reassure you that we purchase American materials from local steel and aluminum foundries whenever possible. I am asked a lot whether we make our machines in shop and I am proud to say that we fully fabricate each of our machines in house by trained technicians. We are proud to be an American company.

I would like to take a moment to thank Rhoda Baer for “softening up my image” and taking the picture above of myself and Odin, age 5. It is so important that we continue to teach the next generation of coldworkers and lapidary enthusiasts so the industry continues to thrive. Our vision at Covington is to continue to create better equipment at affordable prices. Purchasing a Covington machine is truly an investment that will last you for decades and generations!

Dan Drouault
President

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COVINGTON ENGINEERING SINCE 1848

Covington Engineering is a proud manufacturer of glass and lapidary equipment. In business since 1848, we have decades and generations of experience. Originally a manufacturer of hand and foot grinders for sharpening farm tools and shaping sea shells and coral, Covington grew and evolved into a manufacturer of lapidary and glass equipment. Covington's ability to adapt and modernize our equipment makes us a leader in the industry. We continue to look for newer and better ways to improve our product. We believe that our customers deserve to pay rock bottom prices and so we continue to search for the highest quality supplies at the lowest possible rates.

One way we are able to save money for our customers is by using local materials and foundries. Locally forged steel and aluminum reduces shipping costs thereby reducing overall product cost. This also stimulates local economy and keeps jobs in America. As we are proud to be an American manufacturer, we are also proud to support American industry and economy. Additionally, using local suppliers helps us maintain our cost of goods, thereby stabilizing our prices. Due to unforeseen circumstances and a rise in international tariffs on metal, our industry has seen a significant increase in metal costs. Although we have done our best to project pricing in this catalog for the coming year, please be aware that prices are subject to change and the website should be consulted for current prices.

All Covington equipment is assembled by specially trained technicians. These technicians ensure that each piece of machinery works properly and holds tight tolerances. We believe in the importance of producing high quality products. It is not unusual for a customer to bring in a piece of equipment that is decades old and simply need a small repair or refurbishment. It is this idea that a product should last generations that gives our product a competitive edge. You can buy a Covington unit and know that it will last for years to come.

All Covington units undergo rigorous testing in our factory. Although we do our utmost to prevent a defective item from leaving our facility, occasionally a defective part will not show problematic symptoms in house. This is why Covington Engineering provides a full one year warranty against defective parts. See the inside back cover for additional information and details about our guarantee.

It is Covington's philosophy that equipment should last a life time. Although this means working ourselves slowly out of a job, we truly believe that anything less than our absolute best is no way to do business. You can believe in Covington equipment and our customer service department always gives 100% effort!

CHOOSING AND USING AN AUTOMATIC LAP

CHOOSING A UNIT

The first question you need to ask yourself is “how large are the pieces I want/need to lap?” Once you have your answer to this question you can begin figuring out what size unit will work for your application. Users tend to get the best results on a lap when the piece they are grinding is smaller than 1/2 the size of the pan and several pieces can be placed on the plate. Having multiple pieces on the pan ensures movement across the entire plate surface which also promotes more even plate wear.

Small slabs and light pieces will need to be back weighted so that the piece grinds rather than hydroplanes on the water. A back weight can be as simple as a lead fishing weight added to the back of the piece and stuck in place with a little dop wax. This process discourages hydroplaning and promotes a more effective grind. Back weights will be necessary for all thin slabs and may even be necessary for bigger pieces.

Automatic laps are NOT designed for lapping anything that could potentially topple over onto an unintended side; examples of such items include glass bottles or vases and other unevenly weighted objects.

The Rociprolap® and the Vibrating Laps work similarly. Both require putting loose grit directly in the pan, adding water, and placing in your work piece(s). When using these units, it is important to listen to the piece while it works. If you hear a continuous scratching noise, your piece is grinding effectively. Do not put in too much water because the piece will hydroplane across the water and not actually grind. Likewise, if you have too dry of a mixture, you will not get an effective grind. You are looking for a creamy consistency in both your grinding and polishing stages.

BEST PRACTICE: It is best to put in your piece and work on something else nearby so you can make sure the unit is grinding effectively all day. Add water and grit as necessary to maintain an effective grind.

PRO TIP: Cover the face of your work piece with black sharpie marker. Place the piece marker-face down onto the unit and allow it to grind. Once all the sharpie marker is gone from the face of the piece, you are ready to move on to the next step.

FAQ

Besides size, what's the difference between the vibrating lap and the rociprolap®? This is the most common question we get from customers in the market for an automatic lapping unit. Simply put, precision. The rociprolap is a precision based unit where the vibrating lap is not.

Can the Automatic Vibrating Lap grind my bottles? No. Any item that can topple over is not recommended for use on these units. These units are designed to work large flat pieces such as sheet or panel glass as well as book ends and stone slabs.

How fast will this unit lap my piece? If speed is what you are looking for, these types of units are probably not for you. It is difficult to calculate an exact time frame for lapping on these units because there are a variety of factors to consider. The biggest advantage to the automatic laps is that it takes the labor out of lapping. These units are designed for you to set in your piece and allow it to work while you work on something else.

Will the automatic laps polish my work piece? Yes. With the proper polishes and polishing pads, these units can be very effective at polishing. Remember, the key to getting a good polish is having the correct type of polish, the correct type of polishing pad, and a creamy consistency of polish and water on the pad.

VIBRATING LAP

Covington's Vibrating Laps are constructed of heavy duty solid cast aluminum. A counterweight is attached directly to the motor which creates the vibrating motion in the unit. The lapping plate is cast aluminum and features a cast finish. Any imperfections in the casting plate surface will be removed on your first grind. The vibrating laps work by putting loose grit directly into the pan, adding water, and placing in your piece. The green pad that comes with the unit is designed only for use when polishing.

ROCIPROLAP®

The Rociprolap® is a precision based unit constructed of heavy duty cast iron. The bases are machined true and the bearing holes are held to very tight tolerances. The plate is machined flat and the bearing race on the back side is parallel and true to the plate. Little pockets are drilled into the face of the plate to promote a faster grind. Whereas the vibrating lap has a cast finish, the Rociprolap® features a machined finish. Additionally, the vibrating lap only vibrates due to a counterweight attached directly to the motor. By contrast, the Rociprolap® requires a shaft with a perfectly engineered counterweight designed specifically to create the motion of the plate. The plate sits on nylon ball bearings which are designed to wear out so as to prevent damage to more expensive parts of the unit. The plate bearing fits the shaft neatly and the plate spins as it reciprocates creating one more dimension of movement than the vibrating lap. Please note that this unit is made of cast iron and it is impossible to prevent all rust. You can take precautions by cleaning out the plate after use and spraying the plate with WD-40.

Covington's Rociprolap® has only been modified slightly from the old Jack Rose design. We have changed the counterweight shape to be more efficient and added additional bearing cups to the base.



Rociprolap®

Features

- ✓ Heavy duty cast iron base and lap plate
- ✓ Heavy duty sealed ball bearings
- ✓ Now with 1/2hp motor
- ✓ Runs quietly
- ✓ Must ship freight, call for a shipping quote
- ✓ Splash guard, bumper ring, and polishing pad
- ✓ Nylon ball bearings and steel discs
- ✓ 220V, 50Hz available for international orders
- ✓ We no longer charge a crating fee!

Covington's Rociprolap® is a precision built machine designed to eliminate the labor-intensive work of lapping and polishing. The lap plate revolves slowly and reciprocates approximately 575 times per minute. It is balanced and does not need to be bolted down. This unit is extremely quiet in operation and built to last for generations. This heavy-duty machine is constructed entirely of cast iron and steel. The lap plate's surface is machined flat to a very close tolerance. The lap plate also has 1/2" x 3/16" pockets to maintain fresh grit and lubrication reservoirs. The Rociprolap® will grind rock, wood, metal, glass or any other material which must be flat. Each unit is sold complete with a splash guard, bumper ring, motor, one set of twelve (12) precision nylon ball bearings, one set of six (6) steel discs, polish pad, and instructions. Covington Engineering guarantees the machines for one year from the date of purchase against any defects. **The warranty excludes the nylon ball bearings, steel discs, and leveling feet as they are consumable items and designed to wear out to prevent more significant damage to the unit.*



20"

The 20" Rociprolap is Covington's most compact Rociprolap® unit. The 20" plate sits on twelve nylon ball bearings that allow for a smooth cushioned roll. This unit is capable of holding up to 125 pounds. The pan alone weighs 50 pounds.

#5200RL - \$2,599.00

24"

The 24" Rociprolap® is Covington's most popular size Rociprolap. Capable of holding up to 175 pounds, this unit is ideal for small shops and large studios alike. The pan weighs 70 pounds and is easily manageable.

#5240RL - \$2,899.00

30"

Covington's 30" Rociprolap® is a great choice when you're working a heavy piece. This unit can lap up to 225 pounds. The 30" model is big enough for large projects but still small enough to be transportable. The pan weighs 160 pounds.

#5300RL - \$3,299.00

36"

The 36" Rociprolap® is Covington's largest and most heavy duty unit. Capable of holding up to 275 pounds, this unit can accommodate the largest of lapping needs. Pair with a Jumbo Grit Kit to get your unit working!

The pan alone weighs 220 pounds.

#5360RL - \$4,099.00



110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
5200RL -MTRW12- \$2,599.00	275 lbs.	32" x 32" x 23"	52002R -MTRW12- \$2,699.00
5240RL -MTRW12- \$2,899.00	325 lbs.	32" x 32" x 23"	52402R -MTRW12- \$2,999.00
5300RL -MTRW12- \$3,299.00	275 lbs. & 180 lbs.	32" x 32" x 23" & 36" x 36" x 9"	53002R -MTRW12- \$3,399.00
5360RL -MTRW12- \$4,099.00	325 lbs. & 310 lbs.	32" x 32" x 23" & 45" x 45" x 9"	53602R -MTRW12- \$4,199.00

Automatic Vibrating Lap Features

Automatic Laps

- ✓ Grooved plate surface promotes faster cut
- ✓ Removable pan for easy cleaning
- ✓ Single tri-knob screw releases pan
- ✓ Pad insert provides polishing capabilities
- ✓ Light weight for easy mobility and storage
- ✓ Runs quietly
- ✓ Mounting holes for securing unit to work area
- ✓ Heavy duty cast aluminum construction
- ✓ Bumper ring helps prevent fracturing
- ✓ 220V, 50Hz model available for international orders

Covington's Vibrating Laps are designed to abrade and polish with minimal assistance. Forget all of the work involved in lapping; with the vibrating lap just load, start, and walk away. The inertia of the heavy rock slab holds the piece relatively still while the lap pan vibrates underneath effectively replacing the circular rotation used by conventional lapping machines. Units ship complete with plate, bumper ring, polish pad, instructions, and product guarantee.

10"

Covington's 10" Vibrating Lap is the perfect countertop sized model for working small, jewelry-sized pieces of glass and stone. Filling the pan 1/2 to 3/4 full ensures maximum plate surface is used while grinding the pieces in the most efficient manner. This unit has a weight capacity of 15 lbs.

#392AVL - \$455.00



12"

The 12" Vibra Lap is similar to the 10" size but has an extra two inches in plate diameter. This allows the user to lap slightly larger pieces or several more small pieces at a time. It has a higher weight capacity of 20 lbs.

#394AVL - \$495.00



16"

Covington's 16" Automatic Vibrating Lap's weight capacity of 25 lbs. makes it our most popular size model. This unit is the perfect size for a tabletop or workbench. The 16" size will accommodate larger pieces or more small pieces. Complete this unit and have it running immediately with a Lapping Grit Kit!

#396AVL - \$595.00



110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
392AVL -MTR004- \$455.00	18 lbs.	12" x 12" x 10"	3922AL -MTR001- \$465.00
394AVL -MTR004- \$495.00	22 lbs.	14" x 14" x 10"	3942AL -MTR001- \$505.00
396AVL -MTR004- \$595.00	32 lbs.	18" x 18" x 10"	3962AL -MTR001- \$605.00



Auto Lap Accessories

Automatic Laps



Rociprolap Precision Nylon Ball Bearings

CRL212 - \$12.00/Set of 12
36" unit requires 2 sets - all other
sizes require 1 set.



Rociprolap Base Bearing

CRLB02 - \$13.50
Unit requires 2



Rociprolap Splash Guard

20" - CRL220 - \$35.00
24" - CRL224 - \$35.00
30" - CRL230 - \$35.00
36" - CRL236 - \$45.00



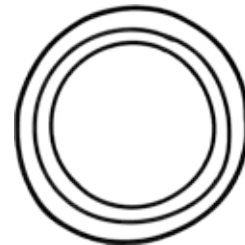
Rociprolap Steel Bearings

CRL206 - \$19.00/Set of 6
36" unit requires 2 sets - all other
sizes require 1 set.



Rociprolap Plate Bearing

CRLB01 - \$12.50
Unit requires 1



Rociprolap Bumper Ring

20" - CRL320 - \$19.00
24" - CRL324 - \$21.00
30" - CRL330 - \$22.00
36" - CRL336 - \$25.00



Rociprolap Shaft

CRLS01 - \$175.00



The perforated grinding discs increase plate life. They are held in place with four extra strong magnets.



Rociprolap Polish Pad

20" - CRL520 - \$19.50
24" - CRL524 - \$23.50
30" - CRL530 - \$29.50
36" - CRL536 - \$35.50



The Covington Plate Dresser is an excellent tool to keep your Rociprolap® plate running true. The sintering on the diamond dresser provides fast removal of uneven spots on the plate. This dresser also works well on other plate machines. The small dresser is designed for the 20" and 24" units and is 11-1/2" across. The large dresser is designed for the 30" and 36" units and is 16" across.

Rociprolap Perforated Disc

20" - CRLP20 - \$38.00
24" - CRLP24 - \$42.00
30" - CRLP30 - \$56.00
36" - CRLP36 - \$75.00
Magnets Included



Rociprolap Plate

20" - CRL120 - \$725.00
24" - CRL124 - \$925.00
30" - CRL130 - \$1,425.00
36" - CRL136 - \$2,425.00
Old plates can be remachined. Call
for a quote.

Rociprolap Plate Dresser

Small - RPDS12 - \$225.00
Large - RPDL16 - \$275.00



Leveling Foot

CRL001 - \$9.50 ea.
Unit requires 4

Auto Lap Accessories

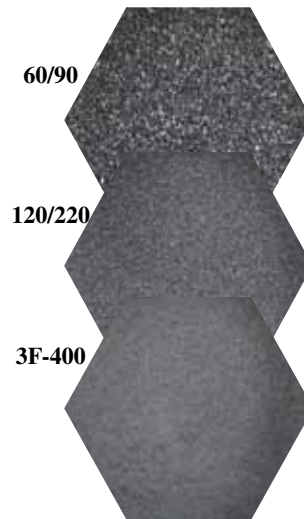
Automatic Laps



Rociprolap Motor
MTRW12 - **\$275.00**
Fixed Cradle
1/2hp - 1745rpm - 5.5A at 110V



Vibrating Lap Pan
10" - ELP010 - **\$80.00**
12" - ELP012 - **\$99.00**
16" - ELP016 - **\$155.00**



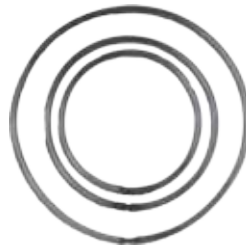
Lapping Grit Kit
1 lb. Kit - LGK001 - **\$15.50**
5 lb. Kit - LGK005 - **\$62.50**
Kit Includes 1 ea. 60/90, 120/220, &
3F-400 Silicon Carbide Grits



Polish Pad
10" - EPP010 - **\$6.25**
12" - EPP012 - **\$7.95**
16" - EPP016 - **\$10.00**

Bearing Keeper for Rociprolap

CRLBKP - **\$35.00**
20", 24", and 30" units require 3,
36" unit requires 6.
Pictured - Keeper attached to 30"
unit.



Bumper Ring
10" - EBR010 - **\$6.25**
12" - EBR012 - **\$6.75**
16" - EBR016 - **\$7.95**



Cerium Oxide
1 lb. - C85001 - **\$12.75**
5 lbs. - C85005 - **\$60.25**



Rociprolap Synthetic Felt
Polish Pad for Glass
20" - CRLS20 - **\$190.00**
24" - CRLS24 - **\$220.00**
30" - CRLS30 - **\$275.00**
36" - CRLS36 - **\$360.00**
These discs are magnetic backed.
Use with Cerium Oxide.



Vibra Lap Motor
MTR004 - **\$145.00**
Stud Mount
1/21hp - 1550rpm - 110V, 60Hz



Pan Screw for Vibra Lap
TRISCR - **\$15.00**
Includes screw, tri-knob, nuts and
spring



CHOOSING AND USING A FLAT LAP

Covington manufactures a wide variety of flat laps suitable for working either glass or stone. Ranging from small, table-top models, to large floor models, we have a unit to suit every need. Consider these questions before purchasing a unit: How big are the pieces I'll be working? How much room do I have in my shop? What type of material will I be working on this unit? Once you have answered these questions you can begin to shop for the right machine to suit your needs.

Flat Laps

OPTIONS

MAXI LAPS: Covington's Maxi Lap units come in a variety of styles to suit the needs of both glass and stone workers. These units are available in 8" and 10" sizes and feature a full lap face for grinding. This unit is small and a great choice for a table-top or workbench. The unit fits neatly into an 18" x 24" area. The motor mounts directly to the back of the unit and a simple pump and bucket system can provide water to the grinding area. The aluminum grinding heads screw onto and off of the arbor shaft. **PRO-TIP:** Spraying WD-40 on the threads prior to screwing the head on ensures easy removal after use. There are eight different systems available which ensures a fit for most small lapping needs.

BEVELER/GRINDER UNITS: Covington's Beveler & Grinder Units are professional grade machines designed to grind and polish glass and stones quickly and cleanly. These units feature a Blanchard Ground, mild steel plate to accept magnetic backed diamond discs. These units are available in 12", 18", and 24" sizes, with single speed and variable speed options.

Why should I spend more on a variable speed when I could buy a single speed for far less money? There are many advantages to the variable speed unit, not the least of which is the ability to slow down the plate speed for polishing which minimizes polish waste. The plate is reversible which allows the user to spin the plate in either direction based on preference. Many consumers also believe that by having a bi-directional plate, you can get a longer life on your diamond discs because you can hit the diamonds from both directions.

My house won't accept three-phase so I can't use your machine. This is a common misconception. The variable speed units are marketed as three-phase but you do not need three-phase power in your house to work the machine. The controller we use converts the three phase motor which gives the unit constant torque and horsepower at all speeds. These units can still be used on standard household current. Variable speed units can now be used on GFCI outlets without tripping a breaker.

16" SINGLE SPEED AND TWO-SPEED FLAT LAPS: These traditional style units utilize loose grit and a steel plate to lap your pieces flat. You create a grit slurry on the lapping head and grind your piece directly on the plate's surface. These units tend to be more messy than the diamond units because of the loose grit slurry. These units spin too slow for diamond discs to work so that is never an option. These units are a great choice for the consumer who desires to tune into their lapidary roots and gain a closer relationship with the stone or glass. Since lapping takes more time with this model, people find it to be a relaxing and enjoyable option.

ACCESSORIES

Covington Maxi Laps and Beveler/Grinder Units utilize diamond discs for the most efficient grind and polish. The Diamond Maxi Laps come complete with your first set of diamond discs required for grinding and the additional discs needed for polishing. The Beveler/Grinders do not come with a set of discs as there are a variety of options available and different types of work pieces might require additional steps. We can confidently recommend a four step disc system for people who wish to grind and coldwork polish glass. It is important to remember that discs are consumables and must be purchased in addition to the unit. We are happy to provide a complete quotation and make recommendations on discs upon request. Our standard four disc grinding system includes one 100g diamond disc, one 270g diamond disc, one 325g resin bond diamond disc, and one synthetic felt polishing pad. You will need cerium oxide if you will be polishing glass. There are other polishing compounds available if you will be polishing stone work pieces.

The Beveler/Grinder units accept a variety of accessories such as diamond cones and domes. These items are great for grinding and shaping inside curves. People particularly like them for working the inside edge of glass bottles. The accessories do not come with the male-to-male brass adapter needed to attach them to the plate's center.

WATER HOOK UP

Covington's Flat Lap units accept 1/4" plastic tubing for their water hook up. We usually recommend using a submersible pump and bucket system for fresh water supply to the unit. We also recommend having the dirty water drain into a second bucket separate from the fresh water input; this eliminates the chance of cross-contamination from the used water. Covington's water pump is an inexpensive choice for connecting water to the unit. This pump features a quick press-to-connect brass adapter to connect the 1/4" tubing to the pump. The Maxi Laps and the Beveler/Grinders also feature a press-to-connect on their water manifold making water hook up very simple. The pump is submersible which means you simply place it into a bucket of water to begin pumping.

The only units that do not accept this type of water system are the 16" Single Speed and Two Speed Flat Laps. These units come with a small canister to hold water and slowly drip the water onto the plate. Having a constant flow of water from a pump would wash all of the loose grit and slurry off of the plate eliminating the ability to grind.

Maxi Laps

Features

- ✓ Heavy duty cast aluminum tank
- ✓ Unobstructed access to work area
- ✓ Quick-change aluminum heads
- ✓ Runs quietly at 1410 rpm
- ✓ Great for grinding glass or stones!
- ✓ Water manifold assembly and pump
- ✓ 1/3hp motor ships separately
- ✓ Compact, portable, and economical
- ✓ 220V, 50Hz available for international orders

Covington's Maxi Laps are the perfect choice for grinding small glass or stone pieces. They come standard with 1/2"-20RH thread quick-change aluminum heads. Discs are attached to the rubber head face using a "Stick-N-Peel" adhesive commonly known as Feathering Disc Adhesive. Each unit also ships complete with a water manifold, 10' of 1/4" tubing, a pump, instructions, and product guarantee.

Glass Laps

Covington's 8" standard Glass Laps are an economical choice for grinding small glass pieces. The #5070 lap features Covington's signature silicon carbide system consisting of 1 each 100g and 400g silicon carbide sanding disc, and a felt polishing disc. The #5071 model features Covington's faster cutting diamond abrasive system featuring 1 each 220g and 1,200g diamond smoothing pad and a single felt disc.

8" Standard Model: #5070ML - \$1,095.00

8" Standard Diamond Model: #5071ML - \$1,195.00

Super Diamond Glass & Lapidary Laps

The super diamond laps come with Covington's perforated diamond disc system (coarse, medium, and fine) that affix to the head utilizing a magnetic holder. Switching discs is simple, just lift one off and position the next. The #5072 (8" glass model) and #5073 (10" glass model) features a cork pre-polishing disc, 1 lb. of 2-F Pumice, and a felt polishing disc. The #5075 (8" lapidary model) and #5076 (10" lapidary model) feature a 1,200g diamond disc and a leather polishing pad. All super diamond units come with a book about using diamond abrasives.

8" Model: #5072ML & 5075ML - \$1,325.00

10" Model: #5073ML & 5076ML - \$1,625.00

Perfect Maxi Laps

The #5074 and #5077 laps feature one 8" aluminum head with a steel disc attached. The steel disc allows this unit to accept magnetic backed diamond accessories. The glass unit features a four step system of 1 each 100g nickel bond disc, 260g nickel bond disc, 325g resin bond disc, and a synthetic felt pad. The lapidary system is the same with an additional 600g resin disc included.

8" Glass Model: #5074ML - \$979.00

8" Lapidary Model: #5077ML - \$999.00



Flat
Laps

110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
5070ML -MTR534- \$1,095.00	24 lbs. & 19 lbs.	24" x 14" x 10" & 16" x 12" x 10"	50702M -MTRH81- \$1,145.00
5071ML -MTR534- \$1,195.00	27 lbs. & 19 lbs.	24" x 14" x 10" & 16" x 12" x 10"	50712M -MTRH81- \$1,245.00
5072ML -MTR534- \$1,325.00	27 lbs. & 19 lbs.	24" x 14" x 10" & 16" x 12" x 10"	50722M -MTRH81- \$1,375.00
5073ML -MTR534- \$1,625.00	32 lbs. & 19 lbs.	24" x 14" x 10" & 16" x 12" x 10"	50732M -MTRH81- \$1,675.00
5074ML -MTR534- \$979.00	27 lbs. & 19 lbs.	24" x 14" x 10" & 16" x 12" x 10"	50742M -MTRH81- \$1,029.00
5075ML -MTR534- \$1,325.00	27 lbs. & 19 lbs.	24" x 14" x 10" & 16" x 12" x 10"	50752M -MTRH81- \$1,375.00
5076ML -MTR534- \$1,625.00	32 lbs. & 19 lbs.	24" x 14" x 10" & 16" x 12" x 10"	50762M -MTRH81- \$1,675.00
5077ML -MTR534- \$999.00	27 lbs. & 19 lbs.	24" x 14" x 10" & 16" x 12" x 10"	50772M -MTRH81- \$1,049.00



12" Flat Lap Features

- ✓ Optional water supply feeds through shaft center and dual overhead Loc-Line
- ✓ Aluminum water manifold controls fluid flow
- ✓ Heavy welded steel chassis
- ✓ Stainless steel splash guard and brush
- ✓ Now works with household GFCI!
- ✓ 1" stainless steel shaft with welded flange
- ✓ Heavy duty ball bearings
- ✓ Shaft will accept 5/8"-11RH male accessories (adapter not included)
- ✓ Unit must ship freight carrier
- ✓ Limited 220V, 50Hz available for international orders and 220V, 60Hz available for domestic orders

The 12" Beveler/Grinder is a versatile unit designed to cold-work pieces of glass. With the appropriate accessories this unit will grind, shape, and polish small work pieces. Flat diamond discs are the cleanest, fastest way to make glass bevels. A 1" brass centering pin aligns magnet easily. The brush and removable stainless steel splashguard allow larger pieces to be worked while keeping water splash to a minimum. There are several features built into these units including an optional water sleeve that allows water to come up through the shaft center and disperse from the middle of the plate, and an overhead Loc-Line® water supply. It also has a 5/8"-11RH female thread that accepts a variety of different diamond finishing tools. An optional male-to-male brass fitting for female threads is also available. The bearings are set 11" apart on the shaft to give rigidity and stability to the Blanchard, precision ground 12" plate. This unit is made with 11-gauge box tubing and 16-gauge removable side panels topped with heavy-duty powder coatings. The side panels are easy to remove making maintenance and lubrication simple.

PRO TIP: A
New User Kit will have you
producing polished pieces in
no time!
See Page 16



FREIGHT

Single Speed

The 12" Single Speed units feature a 3/4hp motor that runs at 1080rpm. This unit features the dual overhead Loc-Line® for exterior water feed.

#5047HG - \$2,095.00

Single Speed w/ CWF

The 12" Single Speed with center water feed units feature a 3/4hp motor that runs 1080rpm. This unit features the dual overhead Loc-Line® for exterior water feed and the through-shaft center water supply.

#5047WG - \$2,395.00

Variable Speed

The Variable Speed unit features a 1hp, 3 phase, wash down motor and speed controller which allow speed ranges from 200rpm to 1100rpm. This unit also has reversible plate direction for longer life on your diamond discs. A wash-down motor and controller are perfect for wet environments. This unit comes standard with the center water feed attachment and dual overhead Loc-Line® for exterior water feed. This is our most popular model and is pictured to the left! Order a diamond disc kit and a plumbing kit to have your unit up and running the same day you receive it!

#5045HG - \$2,895.00

110V, 60Hz Model	Weight	Weight & Dimension	220V, 50Hz Model
5047HG -MTR35F- \$2,095.00	170 lbs.	25" x 25" x 27"	Currently Unavailable
5047WG -MTR35F- \$2,395.00	180 lbs.	25" x 25" x 27"	Currently Unavailable
5045HG -MTRW01- \$2,895.00	185 lbs.	25" x 25" x 27"	50452G -MTRW01- \$2,945.00

18" & 24" Flat Lap Features

- ✓ Water supply feeds through shaft center and dual overhead Loc-Line
- ✓ Aluminum water manifold controls fluid flow
- ✓ Heavy welded steel chassis
- ✓ Stainless steel splash guard and brush
- ✓ Now works with household GFCI!
- ✓ 1" stainless steel shaft with welded flange
- ✓ Heavy duty ball bearings
- ✓ Shaft will accept 5/8"-11RH male accessories (adapter not included)
- ✓ Unit must ship freight carrier
- ✓ 220V, 50Hz available for international orders and 220V, 60Hz available for domestic orders

Flat
Laps

The 18" and 24" Beveler/Grinder is a versatile unit designed to cold-work pieces of glass. With the appropriate accessories this unit will grind, shape, and polish small work pieces. Flat diamond discs are the cleanest, fastest way to make glass bevels. A 1" brass centering pin aligns magnet easily. The brush and removable stainless steel splashguard allow larger pieces to be worked while keeping water splash to a minimum. There are several features built into these units including a water sleeve that allows water to come up through the shaft center and disperse from the middle of the plate, and an overhead loc-line® water supply. It also has a 5/8"-11RH female thread that accepts a variety of different diamond finishing tools. An optional male-to-male brass fitting for female threads is also available. The bearings are set 11" apart on the shaft to give rigidity and stability to the Blanchard, precision ground plate. This unit is made with 11-gauge box tubing and 16-gauge removable side panels topped with heavy-duty powder coatings. The side panels are easy to remove making maintenance and lubrication simple.

Variable Speed

The Variable Speed units feature a 1-1/2hp, 3 phase, wash down motor and speed controller which allow speed ranges from 200rpm to 1100rpm. A wash-down motor and controller are perfect for wet environments. These units also feature plate direction reversability, effectively lengthening the life of your diamond discs. All units come equipped with both center and exterior water feed systems. These units sit at a comfortable 35" height and are great for big studios and small shops alike! 18" Variable Speed unit pictured right.

18" Unit: #5065HG - \$4,000.00

24" Unit: #5060HG - \$5,200.00

Single Speed

The 18" Single Speed Grinder/Beveler includes a 3/4hp motor with a plate speed of 800rpm. The 24" unit includes a 1-1/2hp, motor with a plate speed of 600rpm. All units come equipped with both center and exterior water feed systems and a water resistant switch cord.

18" Unit: #5066HG - \$3,395.00

24" Unit: #5061HG - \$4,395.00



110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
5065HG -MTRW15- \$4,000.00	355 lbs.	32" x 34" x 48"	50652G -MTRW15- \$4,200.00
5066HG -MTRW34- \$3,395.00	355 lbs.	32" x 34" x 48"	50662G -MTRW34- \$3,595.00
5060HG -MTRW15- \$5,200.00	425 lbs.	35" x 35" x 48"	50602G -MTRW15- \$5,400.00
5061HG -MTRW12- \$4,395.00	425 lbs.	35" x 35" x 48"	50612G -MTRW12- \$4,595.00



16" Flat Laps Features

- ✓ Heavy welded steel chassis
- ✓ 16" blanchard ground steel plate
- ✓ Removable grit catch pan and splash guard
- ✓ 1" steel shaft with welded flange
- ✓ 1/3hp motor
- ✓ Heavy duty ball bearings, neoprene sealed and greased for life
- ✓ Water can assembly
- ✓ Units must ship freight carrier
- ✓ 220V, 50Hz available for international orders

The 16" Horizontal Lapidary Units grind, sand, and polishes large or flat surfaces. These economical units are designed for use with loose grit and water. **Diamond discs do not work with these units due to their slower speeds nor can units be sped up to accomodate them.** This unit is an excellent choice for working stone bookends, or producing clock faces. A water can and drip valve slowly feed abrasive grit to the wheel surface. The solid steel plate turns at 220rpm and is reversible. Pieces over 8" can be abraded by turning the work piece. These units ship complete with a 1/3hp motor, instructions, and product guarantee.



Two-Speed Lap

The 16" Horizontal Two-Speed Lapidary Unit is perfect for working stone book ends or clock faces. This multi-featured unit includes a wheel adapter and wrench, a splash guard, a 10" aluminum head with sand disc attached (220g), and a 10" aluminum head with a leather polishing disc. CAUTION: Do NOT run the steel lap plate at high speed because the momentum will cause the plate to spin off and can cause severe injury or death.

#350TSL - \$1,825.00



Single Speed Glass Lap

Covington's #5030 Single Speed Lap is perfect for making glass bevels. The slow speed is great for working glass pieces. This unit comes complete with a grit chute and water can assembly. This unit cannot be modified to work with diamond abrasives.

#5030HL - \$1,395.00

110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
350TSL -MTR534- \$1,825.00	175 lbs.	26" x 26" x 40"	3502TL -MTRH81- \$1,875.00
5030HL -MTR534- \$1,395.00	145 lbs.	26" x 26" x 40"	50302L -MTRH81- \$1,445.00

Flat Lap Accessories

Flat
Laps



Maxi Lap Replacement Arbor

CAR16RS - \$65.00

1/2"-20RHT

1-3/4" Pulley End

3" Mounting Hole Spacing

1/4" Hole Diameter

2" Flange

Threaded end is cut to work with Maxi Lap series units.



Magnetic Discs

8" - CDAH08 - \$36.00

10" - CDAH10 - \$50.00



Polish Plate

8" - CAPP08 - \$18.00

10" - CAPP10 - \$24.00



8" & 10" Aluminum Heads for Maxi Lap Series

1/2"-20RHT w/ Short Hub
Specify Hard or Soft Rubber

8" Standard

CAH820RS - \$75.00

10" Standard

CAH120RS - \$110.00



Diamond Abrasive System for Maxi Lap Series

Perforated Diamond Discs

Coarse Perforated Disc (100g)

8" - CDAC08 - \$100.00

10" - CDAC10 - \$150.00

Medium Perforated Disc (220g)

8" - CDAM08 - \$90.00

10" - CDAM10 - \$138.00

Fine Perforated Disc (600g)

8" - CDAF08 - \$80.00

10" - CDAF10 - \$126.00

Set of 3 Perforated Discs

8" - CDAS08 - \$243.00

10" - CDAS10 - \$373.00



16" Lap Bearings

(2 bolt w/ 1" arbor)

SRF161 - \$95.00

Unit requires 2



The Auto Lap Kit is designed to take the labor out of lapping. This device mounts directly to lap unit and holds the work piece on the turning plate for the user. The kit includes swivel, 1/2" diameter x 16" length extension arm, adjustable steel plate, dop wax, and instructions.

Automatic Lap Kit

ALK330 - \$45.00



The Sphere Cutting Tool Kit will make spheres from 1-1/4" to 4" in size. Cups have a 1"-8RH threaded bore to fit horizontal lap arbors. This kit consists of a special splash guard and one (1) each: 1", 1-3/8", and 2-3/8" cutter cups. Sphere cutting on this unit is simple, just hold the rough sphere with a gloved hand and grind it on the proper size sphere cutter cup.

Sphere Cutting Tool Kit

SCK339 - \$105.00



10" Aluminum Head for 350TSL

1"-8 Coarse Thread

Standard

CAH350 - \$110.00

With Sand Disc Attached

ASD334 - \$113.75

With Leather Disc Attached

APD336 - \$117.75

With Felt Disc Attached

APB338 - \$133.00



These heavy duty Japanese bearings have proven their durability and longevity time and again. Buy with confidence. These feature 4 bolt pattern and 1" arbor. Each lap requires two bearings.

12", 18", & 24" Lap Bearings

LB4B16 - \$70.00



Flat Lap Accessories

Flat Laps



The new user kit comes with the the essentials to start using your unit. Kits Include:

- 1 - 100g Nickel or Dot Lap Disc**
- 1 - 270g Nickel or Dot Lap Disc**
- 1 - 325 Resin Disc**
- 1 - Felt Polish Disc**
- 1 - 1 lb. Cerium Oxide**
- 1 - Submersible Pump & Tubing**
- **12" Version includes a stand**

Kit discount items cannot be traded or exchanged for other items.

New User Kit 12"

Nickel: CNKN12 - **\$670.00**

Dot Lap: CNKD12 - **\$550.00**

18"

Nickel: CNKN18 - **\$1,125.00**

Dot Lap: CNKD18 - **\$875.00**

24"

Nickel: CNKN24 - **\$1,665.00**

Dot Lap: CNKD24 - **\$1,395.00**



The disc kit comes with the most commonly used grinding discs for the Flat Lap units. Kits Include:

- 1 - 100g Nickel or Dot Lap Disc**
- 1 - 270g Nickel or Dot Lap Disc**
- 1 - 325 Resin Disc**
- 1 - Felt Polish Disc**
- 1 - 1 lb. Cerium Oxide**

Kit discount items cannot be traded or exchanged for other items.

Disc Kit 12"

Nickel: CDKN12 - **\$515.00**

Dot Lap: CDKD12 - **\$405.00**

18"

Nickel: CDKN18 - **\$1,065.00**

Dot Lap: CDKD18 - **\$820.00**

24"

Nickel: CDKN24 - **\$1,605.00**

Dot Lap: CDKD24 - **\$1,345.00**



Felt Cones and Domes are an excellent choice for working bottles and inside curves. The cones are approximately 3" at base and 3" in height, and the domes are approximately 4-1/2" at the base and 1-1/2" in height. Each comes with a 5/8"-11 male brass thread to fit a 5/8"-11 female thread. Use in combination with cerium oxide to achieve a high, optically-clear polish.

Felt Cones & Domes

Cone: CFC001 - **\$125.00**

Dome: CFD001 - **\$125.00**

TIP:

Black out the surface of your piece with a Sharpie. When all the marker is removed, you're ready to move on to the next step!



The bottle kit comes with the the essentials to start smoothing the interior edge of bottles and curves.

Kits Include:

- 1 - 100g Nickel or Dot Lap Disc**
- 1 - 270g Nickel or Dot Lap Disc**
- 1 - 325 Resin Disc**
- 1 - Felt Polish Disc**
- 1 - 1 lb. Cerium Oxide**
- 1 - Male-to-Male Adapter**
- 1 - Fine Diamond Cone**
- 1 - Felt Cone**

Kit discount items cannot be traded or exchanged for other items.

Bottle Kit 12"

Nickel: CBKN12 - **\$825.00**

Dot Lap: CBKD12 - **\$695.00**

18"

Nickel: CBKN18 - **\$1,375.00**

Dot Lap: CBKD18 - **\$1,115.00**

24"

Nickel: CBKN24 - **\$1,915.00**

Dot Lap: CBKD24 - **\$1,640.00**



Resin Bonded Diamond Domes are an excellent choice for working bottles and inside curves. These domes are approximately 4" at base and 2-1/2" in height. Standard sizes available are: 1"-14 female, and 5/8"-11 female. Alternate sizes can be manufactured but will take an additional week. All domes are available in 100g, 220g, 325g, 600g, 1,200g, & Cork/Cerium Oxide.

Resin Bonded Diamond Domes - \$135.00

100g/Black - DRD100

220g/Purple - DRD220

325g/Brown - DRD325

600g/Red - DRD600

1,200g/Blue - DRD120

Cork/Cerium Composite Dome

CPDC85 - **\$65.00**

Specify thread when ordering



Resin Bonded Diamond Cones are an excellent choice for working bottles and inside curves. These cones are approximately 3" at base and 3" in height. Standard sizes available are: 1"-14 female and 5/8"-11 female. Alternate sizes can be manufactured but will take an additional week. All cones are available in 100g, 220g, 325g, 600g, 1,200g, & Cork/Cerium Oxide.

Resin Bonded Diamond Cones - \$97.00

100g/Black - DRC100

220g/Purple - DRC220

325g/Brown - DRC325

600g/Red - DRC600

1,200g/Blue - DRC120

Cork/Cerium Composite Cone

CPCC85 - **\$56.00**

Specify thread when ordering

Flat Lap Accessories

Flat Laps



Nickel Bonded Diamond Domes are an excellent choice for working bottles and inside curves. These domes are approximately 3-7/8" at base and 1-1/2" in height. Standard sizes available are: 1"-14RH female and 5/8"-11RH female. Cones are available in Coarse (100g), Medium (220g), and Fine (600g). All domes include a 3/16" center hole for through-shaft water systems.

Nickel Bonded Diamond Domes

100g/Coarse
DND100 - **\$150.00**
220g/Medium
DND220 - **\$150.00**
600g/Fine
DND600 - **\$150.00**

Specify 5/8"-11 or 1"-14 thread when ordering



Nickel Bonded Diamond Cones are an excellent choice for working bottles and inside curves. These cones are approximately 3" at base and 3" in height. Standard sizes available are: 1"-14RH female and 5/8"-11RH female. Cones are available in Coarse (100g), Medium (220g), and Fine (600g). All cones include a 3/16" center hole for through-shaft water systems.

Nickel Bonded Diamond Cones

100g/Coarse
DNC100 - **\$135.00**
220g/Medium
DNC220 - **\$135.00**
600g/Fine
DNC600 - **\$135.00**

Specify 5/8"-11 or 1"-14 thread when ordering

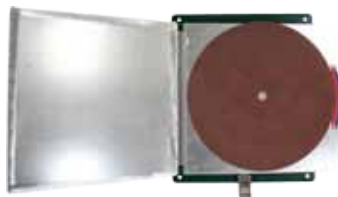


Spanner Wrench
CBA047 - **\$40.00**



The 12" Beveler/Grinder Stand is perfect for turning your 12" unit into a standing floor model. It raises the unit approximately 12" off the ground and is makes the unit the perfect height for the average standing or sitting user. Stands are not available for 18" and 24" models because they are stand alone floor models.

12" Grinder Stand
CHGS50 - **\$135.00**



Covington's Magnetic Disk Organizers are perfect for holding and organizing magnetic backed disks. Available in 12", 18", and 24" sizes, the MDO is designed to be mounted to the wall. A clasp can be attached to either the top or the bottom of the MDO to keep the pages shut. The pages are constructed of galvanized steel and the mount is powder coated to resist rusting. Each page is staggered for easy placement and removal of disks.

Magnetic Disc Organizers

12"
CMD012 - **\$315.00**
18"
CMD018 - **\$355.00**
24"
CMD024 - **\$395.00**



Male-to-Male Adapter
CBA045 - **\$50.00**



Brass Plug
CBA044 - **\$45.00**
Brass Centering Pin
CBA046 - **\$45.00**



Covington's Horizontal Beveler/Grinder Plates feature a 1" hole in the center and four countersunk holes for securing the plate to 1" shaft and flange. Each plate is OD turned and machined true.

12" Plate
CHGP12 - **\$375.00**

18" Plate
CHGP18 - **\$562.00**

24" Plate
CHGP24 - **\$750.00**



Covington's Submersible Pump will pump 200 gallons per hour at 1-foot or 105 gallons per hour at 5-feet.

Water Pump w/ 1/4" Quick Connect
CSP806 - **\$55.00**



CHOOSING AND USING A GEM DRILL

CHOOSING

Covington's Gem Drills are suitable for many purposes. With both automatic and manual versions, there is something for everyone. Manual Gem Drills allow the user to control the speed at which the piece is being drilled. Automatic Gem Drills utilize an electric feed and automatic stroke which mechanically raises and lowers the drill chuck 1/4" at a time. The light pressure decreases risk of damaging diamond drill bits but increases drill time. Both units are meant for light duty drilling and both are compact and portable. Both units have a Jacob's Chuck that accepts drill bits from 0.75mm up to 1/4".

USING

When it comes to utilization of the units, pieces should be drilled completely submerged in water. Drilling in water prevents diamond bits from overheating and losing the embedded or electroplated diamonds. When using the Manual Gem Drill only a slight amount of pressure should be used to drill through the piece. Too much pressure may result in the piece breaking or prematurely burning up the diamond drill bit. In order to maximize the drilling life of a bit, a press and release method should be adopted which keeps the bit cool.

Features

- ✓ Light duty machines
- ✓ Compact and portable
- ✓ Economical
- ✓ Drills accurately
- ✓ 220V, 50Hz NOT available for international orders but units will work with a voltage transformer

Manual Gem Drill



The Manual Gem Drill is an excellent choice for drilling medium to soft gemstone material or glass. The unit is a lever operated, versatile, light duty machine that drills quickly and accurately with a 3/4" stroke. The motor and bracket can be quickly adjusted for height. This unit is powered by a 1/15hp, 5000rpm variable speed motor and features a foot operated speed control. This gem drill can easily be converted into a carving and buffing kit simply by removing the motor and mounting it horizontally. The drill comes complete with a 1/4" Jacobs chuck and key, water pan, instructions, and product guarantee.

#605MGD - \$250.00

Automatic Gem Drill



The Automatic Gem Drill is ideal for cutting soft stones and glass. A 1/50hp, 115V, 60Hz motor runs at 3000rpm and drives the drill. It uses an electronic feed which mechanically raises and lowers the drill chuck 1/4". The light pressure of the feed prevents damage to diamond coated drill bits but results in a longer drilling time. Drill Tubes and 180 Boron Carbide Grit are a low cost option available for this unit. Plastic Putty holds the work piece. The putty can also serve as a dam to hold grit around a drill tube. This unit comes complete with 1/4" Jacobs chuck, two 1-1/2mm and two 2mm diamond drill bits, plastic putty, instructions, and product guarantee.

#600AGD - \$250.00

Model	Style	Weight	Dimensions
605MGD - \$250.00	Manual	9 lbs.	16" x 8" x 6"
600AGD - \$250.00	Automatic	9 lbs.	16" x 8" x 6"

Gem Drill Accessories



The Bead Vise holds beads up to 3/4" in diameter for drilling. Always drill with the vise submerged in water to keep the drill bit cool and to sustain a longer drill bit life.

Bead Vise
CBV620 - \$10.75



Covington uses a small Jacobs Chuck & key on both of our gem drills. This drill chuck accepts from 0.75mm up to a 1/4" shank on drill bits. It is designed for holding small drill bits and drilling small holes in stone slabs or glass.

Jacobs Chuck & Key
JCK001 - \$35.00



This transformer changes 220/240V to 110/120V. These voltage converters will handle either 200 or 300 watts or approximately 2 or 3 amps. They can run some of our smaller machines such as Gem Drills in countries with 220V, 50Hz electrical currents.

Voltage Transformer
200W -CVT200- \$34.95
300W -CVT300- \$39.95

Gem Drills



RDT603 includes two 1/8" tubes, one 3/16" tube, one 1/4" tube and a cleaner pin.

Standard Drill Tubes
RDT603 - \$14.75



1 - Ounce Boron Carbide Grit
BCG602 - \$5.25



Bonded Diamond Drill Bits

All Sizes - \$2.25 for 1-9, \$1.75 for 10-49, \$1.00 for 50+

0.75mm - BDD075

1.00mm - BDD100

1.50mm - BDD150

2.00mm - BDD200

2.50mm - BDD250



RDT601 includes two each: 1-1/2mm tubes, 2mm tubes, and one cleaner pin.

Metric Drill Tubes
RDT601 - \$14.75



1/4 Pound Plastic Putty
CPP604 - \$2.25

Diamond Core Drill Bits

1.0mm - BDC100 - \$3.00 ea./\$2.50*

1.5mm - BCD150 - \$3.00 ea./\$2.50*

2.0mm - BCD200 - \$3.00 ea./\$2.50*

2.5mm - BCD250 - \$3.50 ea./\$3.00*

3.0mm - BCD300 - \$5.00 ea./\$4.50*

3.5mm - BCD350 - \$5.50 ea./\$5.00*

***Indicates quantity 10+ discounted price**



CHOOSING AND USING A GLASS LATHE

CHOOSING A UNIT

Covington Engineering proudly manufactures many different varieties of specialty glass units for studio cold working. Lathe-style units are available for a more customizable approach, and for those looking for more usable space to the operator. Specialty glass units for beveling interior and exterior curves are also available as well as cork and felt polishing units for high polish results.

There are three generations of the glass lathe unit all of which feature at least 11 inches of reach. The *Original Glass Lathe* has the ability to accept any wheel size up to 10" in diameter and features a turned, ground, and polished shaft which minimizes vibrations. The *Glass Lathe #2* has the ability to accommodate almost any size wheel, and is light enough for a small studio and heavy-duty enough for high production shops. The *Professional Glass Lathe* features 12" of reach allowing for greater grinding area and a morse 3 taper to accept Spatzier style tools. This year we are proud to introduce the *Mini Professional Glass Lathe*. This unit features the precision of the professional lathe in a compact and portable body. Ideal for beadmakers and small precision engravers, the Mini is a professional grade unit packed into a miniature design.

Specialty glass machines such as the *Vertical Glass Beveler* provide the ability to bevel interior and exterior curves while providing unobstructed access to wheels. Both tank sides are easily removable for wheel changes and can fit up to a 10" diameter wheel.

Cork & Felt Polishing units feature 10" or 16" diameter wheels meant to pre-polish and high polish with ease. These heavy duty units run at a high speed in order to create the friction necessary for a brilliant finish.

FAQ

One of the most common questions regarding glass units is in regards to water supply. Here at Covington, we recommend always having a fresh supply of water coming in and letting the dirty water run out. **BEST PRACTICE:** Never reuse water with a recycling system. Recycling water will reintroduce contaminants into later steps and will render steps useless instead of remaining effective. Water should only provide a light misting or steady drip on the surface of the wheel. If water is splashing everywhere there is too much water being used, and the grinding process is not effective. All units that have water supplies have 1/4" inputs and quickly connect to standard 1/4" tubing.

GLASS LATHES

Covington's *Original Glass Lathe* features the ability to adjust the motor for different speeds easily and quickly. With dual overhead loc-line water supply, it is easy to provide fresh water to the top of the wheels. Two pans are included and are shipped detached from the base so that the user can align them wherever is most convenient. The base of the unit comes with magnets so the user can adjust the pans as needed without having to permanently attach the pans to the base. With 11" of shaft extension on either side of the unit, there is plenty of space to work with and not feel restricted.

Covington's *Glass Lathe #2*, like the original, features the ability to adjust the motor for different speeds easily and quickly. This machine also includes the dual overhead loc-line water supply and provides fresh water supply wherever the user would like. This lathe does not have a base that extends completely underneath the length of the shaft which allows the use of larger wheels. When the stand is purchased with the unit, shelves on either side can be adjusted to any height to accommodate wheels and support pans as needed.

Covington's *Professional Glass Lathe* has a variable speed controller mounted to the front of the unit so that any speed can be achieved from 0 rpm to 1850 rpm. This unit has 12" of reach on the side of the unit allowing for more unobstructed access than before. The end of the shaft has a morse 3 taper to accept Spatzier tooling and includes an ultra precise 1" spindle for other tool mounting.

Our latest addition to the glass lathe family is the *Mini Professional Glass Lathe*. This compact unit features a 1" stainless steel shaft that reduces to 1/2" on the end. A splash pan and hood accompany this unit to maintain a fresh water supply. The toggle switch and potentiometer are easily accessible on the front of the unit and allow complete speed control.

SPECIALTY GLASS UNITS

Covington's *Vertical Glass Beveler* provides an alternative unit for beveling inside and outside curves. This unit comes ready to accept most wheels up to 10" in diameter providing versatility and the ability to change wheels with ease. When ordering this unit it is important to specify the speed at which you would like the unit to run: 420 rpm for 10" wheels, 785 rpm for 8" wheels, or 1,100 rpm for 6" wheels.

Covington's *Glass Engraver* comes with a variable speed controller mounted to the front of the unit which allows the operator to control the speed from 0 rpm to 1600 rpm. This unit accepts mandrel supported engraving wheels as well as glass cutting wheels up to 6" in diameter.

Covington's *Cork & Felt* Polishing units feature a mounted, dressed and tested, cork wheel and felt wheel on the unit. Cork is intended to be used with pumice to pre-polish the piece and felt works best with cerium oxide to provide a final polish on the glass.

Glass Lathes

Features

- ✓ Turned, ground, and polished, 1" shaft
- ✓ Runs quietly
- ✓ Heavy duty steel and cast aluminum construction
- ✓ 1 hp motor
- ✓ Three speeds: 635rpm, 805rpm, and 1100rpm
- ✓ 220V, 50Hz available for international orders

The Covington Glass Lathes are versatile machines designed to accept a variety of wheel sizes and styles. The shaft is turned, ground, and polished to minimize vibration while extending 11" of usable space to the operator. Units come standard with 36" of loc-line tubing and water manifold for easy water supply to wheels. The each length of lockline has a control valve to easily control water flow to wheels. Each glass lathe comes complete with a 1hp motor mounted on a rustproof base, quick belt-change motor mount, instructions, and product guarantee.

Glass Lathes
& Polishers

Original Glass Lathe

The Original Glass Lathe is a versatile machine that will accommodate wheels up to 10" in size. The pans and hoods ship unmounted so they can be attached to the base where it is most convenient for the user. This model ships complete with two (2) splash pans and hoods and two (2) 4" spacers.

#4012GL - \$1,275.00



Glass Lathe #2

The Glass Lathe #2 is a versatile machine that can accommodate almost any wheel. This machine is light enough for a small studio but heavy-duty enough for high production shops. Lathe stand features fully adjustable shelves that can be removed for large pieces. The stand is 36" high, creating a comfortable shaft height of 46". Each adjustable rustproof side table is 16" x 36" to accommodate users own water catch basin. Lathe ships complete with Covington's signature rustproof base, quick belt-change motor mount, steel stand, two shelves with standards and brackets, and product guarantee. *Please note that this unit MUST be anchored to floor to keep from tipping over. Units without the stand MUST be anchored to a tabletop.

#4013GL - \$1,475.00

No Stand: #4013NS - \$1,150.00



110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
4012GL -MTR922- \$1,275.00	165 lbs.	40" x 40" x 25"	40122L -MTRL01- \$1,325.00
4013GL -MTR922- \$1,475.00	265 lbs.	40" x 40" x 45"	40132L -MTRL01- \$1,525.00
4013NS -MTR922- \$1,150.00	98 lbs.	40" x 40" x 25"	40132N -MTRL01- \$1,200.00



Professional Lathes

Features

- ✓ Turned, ground, and polished, shaft
- ✓ Runs quietly
- ✓ Heavy duty steel and 6160 aluminum construction
- ✓ Designed for precision
- ✓ Variable speed controller
- ✓ 220V, 50Hz available for international orders

Covington's all new Professional Glass Lathe series is a response for the need of a Merker and Spatzier style glass lathe. We have recently expanded our line to include the Professional Mini Engraver for very fine grinding, engraving, and polishing work.

Professional Glass Lathe

The Professional Lathe features 12" of reach allowing for greater grinding area, a morse 3 taper to accept Spatzier tools, and a 1hp DC variable speed motor which also for complete speed control from 0 to 1850 rpm. Constructed of solid, aircraft quality, billet aluminum, this machine was designed for precision and endurance. Each machine comes with a newly designed, ultra precise, 1" spindle and drift key. Unit has 4 mounting holes in its base. The unit simply needs to be bolted to a solid base, add your own water supply, and is ready to use. Unit features a NEMA 4X control box and a water resistant motor.

#4000GL - \$4,495.00



PRO TIP:
Sintered wheels are a great
accompaniment to any glass
lathe!
See Page 24

Mini Professional Glass Lathe

The Mini Professional Glass Lathe is the answer small and intricate piece workers are seeking. With the precision and look of the Professional Lathe in mind, the Mini lathe is a great, low cost, small scale option. The ultra-precise model allows the user to grind, engrave, and polish all on one miniature, table top sized unit. This machine comes complete mounted on Covington's newest signature solid aluminum base, a splash pan and hood with water manifold and valve attached, instructions, and product guarantee.

#2000GL - \$1,595.00



110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
4000GL -MTRDC1- \$4,495.00	220 lbs.	36" x 24" x 28"	40002L -MTRDC1- \$4,495.00
2000GL -MTRDC2- \$1,595.00	65 lbs.	28" x 18" x 15"	20002L -MTRDC2- \$1,695.00

Cork & Felt Polishers

Features

- ✓ Turned, ground, and polished, 1" shaft
- ✓ Runs quietly
- ✓ Heavy duty steel and cast aluminum construction
- ✓ 220V, 50Hz model available for overseas
- ✓ Cork & felt wheels, dressed and ready for use
- ✓ Adjustable sponge bench to minimize splash
- ✓ Heavy duty, neoprene sealed ball bearings
- ✓ Removable side panels for easy wheel change

The Cork & Felt Polishers coldwork glass to a high polish. Use the cork wheel with mildly abrasive pumice to pre-polish the piece. Use the felt wheel with cerium oxide to final-polish the piece. The arbor quickly disassembles for pulley change or bearing inspection. Water valve and spray nozzle are built in for easy hookup. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for pressure systems.

Glass Lathes
& Polishers

10" Cork & Felt

Unit comes with one 10" x 2" cork wheel and one 10" x 2" felt wheel installed, dressed, and factory tested for balance. Wheels turn at 420rpm to minimize polish powder loss; a rim speed of 1,230SFM creates the friction necessary for a brilliant finish. Wheels spin towards the user and up. This model ships fully assembled with belt guard, 1/2hp, high-torque motor, instructions, and product guarantee.

#5050GP - \$1,300.00



16" Cork & Felt

Unit comes with one 16" x 3" cork wheel and one 16" x 3" felt wheel installed, dressed and factory tested for balance. Wheels turn at 280rpm to minimize polish powder loss; a rim speed of 1,173SFM creates the friction necessary for a brilliant finish. The wheels turn towards the operator and up. This model ships fully assembled with belt guard, 1/2hp, high-torque motor, instructions, and product guarantee.

#5016 - \$2,200.00



110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
5050GP -MTR199- \$1,300.00	92 lbs.	25" x 25" x 20"	50502P -MTR199- \$1,350.00
5016GP -MTR199- \$2,200.00	180 lbs.	40" x 28" x 30"	50162P -MTR199- \$2,250.00



Vertical Glass Beveler

Features

- ✓ Unobstructed access to wheels
- ✓ Covington's signature rustproof base

- ✓ Turned, ground, and polished steel shaft
- ✓ Heavy duty ball bearings, neoprene sealed and greased for life



Covington's #5051 Vertical Glass Beveler bevels inside and outside curves. An adjustable sponge bench minimizes splash. The back plate with spray nozzle adjusts to wheel size. Each tank features a removable tank side for easy wheel change. The arbor quickly disassembles for pulley change or bearing inspection. Water valve and spray nozzle are built in for easy hookup. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for pressure systems. Determine speed based on wheel size, 420rpm for 10" wheels, 785rpm for 8" wheels, or 1,100rpm for 6" wheels and specify speed when ordering. If two wheel sizes are used, choose the faster speed. Wheels turn toward the operator and up. This unit ships fully assembled with belt guard, 1/2hp motor, instructions, and product guarantee. *Please note that this unit is sold without wheels.

#5051GB - \$1,100.00

110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
5051GB -MTR199- \$1,100.00	90 lbs.	25" x 25" x 16"	50512B -MTR199- \$1,150.00

Diamond Engraving Wheels

Covington's newest addition to the Ultimate Sintered Diamond Wheel line are these 4" x 1/4" engraving wheels. A great accompaniment to any grinding lathe, these industrial wheels are perfect for carving stones and glass. Even diamond distribution and balance make these wheels the best on the market!



Ultimate Engraving Wheels 4" x 1/4" - Round/Circle
70/80g UWR470- \$300.00
140/170g UWR414- \$275.00
230/270g UWR423- \$275.00
400/500g UWR440- \$275.00

Ultimate Engraving Wheels 4" x 1/4" - Point/V
70/80g UWP470- \$300.00
140/170g UWP414- \$275.00
230/270g UWP423- \$275.00
400/500g UWP440- \$275.00

Ultimate Engraving Wheels 4" x 1/4" - Flat/Square
70/80g UWF470- \$300.00
140/170g UWF414- \$275.00
230/270g UWF423- \$275.00
400/500g UWF440- \$275.00

Glass Lathe & Polisher Accessories



Replacement Drift Key

DRIFTK - \$10.00

Remove your spindles from your shaft using this drift key.



Our Ultimate Sintered Diamond Wheels are a great accompaniment to any glass lathe. These industrial wheels are great for grinding glass. Even diamond distribution and balance make these wheels the best on the market!

Ultimate Diamond Wheels

30g

6" -USW603- \$420.00

8" -USW803- \$560.00

60g

6" -USW606- \$420.00

8" -USW806- \$560.00

80g

6" -USW608- \$400.00

8" -USW808- \$550.00

100g

6" -USW610- \$400.00

8" -USW810- \$550.00

140g

6" -USW614- \$400.00

8" -USW814- \$550.00

200g

6" -USW620- \$380.00

8" -USW820- \$520.00

270g

6" -USW627- \$380.00

8" -USW827- \$520.00

360g

6" -USW636- \$380.00

8" -USW836- \$520.00

600g

6" -USW660- \$380.00

8" -USW860- \$475.00



Stainless Steel Spindle with

Extended Taper

CPLME3 - \$290.00

This stainless steel tapered spindle features a Morse 3 taper which fits Covington's Professional Glass Lathe and Merker/Spatzier style lathes. A variety of flanges and collars allows for most wheels with a 1" arbor hole to fit this spindle.



Jacob's Chuck with

Stainless Steel Spindle

CPLJC3 - \$229.00

This stainless steel tapered spindle features a Morse 3 taper which fits Covington's Professional Glass Lathe and Merker/Spatzier style lathes. This spindle includes a Jacob's chuck which allows the Professional Glass Lathe to accept smaller engraving tools.



Threaded End Stainless

Steel Spindle

CPLTM3 - \$260.00

This stainless steel tapered spindle features a Morse 3 taper which fits Covington's Professional Glass Lathe and Merker/Spatzier style lathes.

This spindle features one threaded end which will accept lead centered and felt wheels.



Stainless Steel Spindle

CPLM02 - \$290.00

This stainless steel tapered spindle features a Morse 2 taper which fits Merker/Spatzier style lathes. A variety of flanges and collars allows for most wheels with a 1" arbor hole to fit this spindle.



Dual Loc-Line Water Manifold

CWM036 - \$50.00

Features 36" of loc-line connected to two ports.



Water Manifold

CWM012 - \$30.00

Features 12" of loc-line connected to a single port.



CHOOSING AND USING A GRINDER

CHOOSING A UNIT

Covington manufactures a wide variety of grinding and polishing units for working with both glass and stones. If you are a glass artist we would usually steer you towards the glass lathe style units as they have more reach for working large pieces. Covington's stone grinders come in a wide variety of styles and options to suit many different needs.

EXPANDABLE DRUM STYLE UNITS: Covington has two different units that come with expandable drums included. Expandable drums are soft wheels that expand when they spin. They are used with either silicon carbide or diamond sanding belts. The belts easily slide onto the wheel when the wheel is stationary and then lock into place when the wheel is spinning. Expandable drums are a great choice for contouring your rocks. Their soft surface flexes under the users touch which makes smoothing of cabochons and other domed shapes easy to finish. Covington updated the old two station direct drive expandable drum unit to a more durable and pulley driven station. This update has improved the product by reducing vibration on the wheels. Covington also has a four-station expandable drum unit which allows the user to go through all of the pre-polish grinding stages without changing wheels or machines. Users can also set up their expandable drum units with polishing belts such as cork and felt for glass or fine diamond belts for stone.

GRINDERS AND POLISHERS: Covington also has several more versatile grinding unit options. These units do not come with wheels attached which gives the user the freedom to customize the unit to their exactly needs. The #400 and #592 are both two station arbor units that can accommodate 6" and 8" grinding and polishing wheels. Wheel options range from silicon carbide stone wheels to diamond plated and sintered wheels, to cork and felt wheels. The #592 is a variable speed unit that allows the user to control how fast or slow they need the wheels to turn. Both units are pulley driven which allows for a truer running shaft and reduced vibration on the wheels.

DELUXE GRINDERS & POLISHERS: Covington has a deluxe grinder series that allows the user to fully grind and polish pieces on one unit without changing out wheels. These machines are perfect for the person who already has their pieces slabbed and is simply going to finish their pieces by grinding, shaping, and polishing. The deluxe grinders feature two hard wheels (either silicon carbide or diamond), an expandable drum, and a polishing head on the end. The two wheels on the center are used for grinding and shaping your piece. The expandable drum then gives the operator the ability to pre-polish and ready the piece for the final polish. The polishing head comes standard with a leather disc attached which is a universal polishing disc for working with stones. This disc can

be changed out easily for pieces that require the friction of felt or for operators who prefer to polish using diamond discs.

FAQ

One of the most common questions regarding grinding units is in regards to water supply. Here at Covington, we recommend always having a fresh supply of water coming in and letting the dirty water run out. **PRO TIP:** Never reuse water with a recycling system. Recycling water will reintroduce contaminants to later steps and will render steps useless instead of remaining effective. Water should only provide a light misting or steady drip on the surface of the wheel. If water is splashing everywhere there is too much water being used, and the grinding process is not effective. All units that have water supplies have 1/4" inputs and quickly connect to standard 1/4" pipe.

WATER SUPPLY

All of Covington's grinding units utilize 1/4" valves for input and 3/8" pipe for output. Pumps and drain kits are a highly recommended accessories for all grinder units. Plumbing kits are a great additional purchase to have your unit up and running the same day you receive it. Different units have different plumbing requirements. The kits are an excellent option for all users who would rather not make a trip to the hardware store for a variety of supplies. We always recommend that the pans drain into a separate bucket to keep the stone dust from contaminating the wheels via water supply.

ARBORS

Covington's line of arbors are suitable for a variety of needs and purposes. Our simple two-station and four-station arbors are fully customizable. They do not come with a motor or base board. Instead these units are designed to build yourself and place into any available location in a workshop. These arbors are essentially the core for most of our grinder and polisher units. Most of these units feature a 1" shaft for stability and rigidity. There are several arbor units that have special shafting available and other types of shafts can be custom ordered upon request. These units come standard with a mild steel shaft, a fixed flange, a floating flange, and a nut on either side.

The first main difference between the open and the closed arbor is the height and the size of the wheel that it can hold. The open arbor can hold larger wheels with a small shim to raise the unit up. Secondly the open arbor has an exposed pulley and v-belt while the close unit has a fully enclosed front pulley and arbor. Additionally, the stock open arbors come with a longer shaft although they can be custom ordered with alternate shafts.

Grinders & Polishers

Features

- ✓ 8" x 3" Expandable Drums
- ✓ Runs quietly
- ✓ Heavy duty steel and cast aluminum construction
- ✓ Mounted on rustproof base
- ✓ Water valves and drain plugs
- ✓ Powder coated for durability and longevity
- ✓ 220V, 50Hz available for international orders

The Expandable Drum Units are versatile machines that allow the user to move through grinding stages without changing the wheels. The angled expansion slots through the rubber rim of the expandable drum allow it to expand when rotated, thereby locking the belt in place. The drum surface flexes to the contours of the gemstone quickly removing grinding flats and scratches. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for pressure systems. Spray nozzles under the hood wet the entire wheel face. Hoods remove easily for cleaning and wheel change. Units ship mounted to rustproof base, ready to plug in and operate. Each machine ships with instructions and a product guarantee.

Two Station Expandable Drum Unit

The #454 now features two drums mounted on a shaft that is pulley driven. This new model features sealed ball bearings and a 1/2 hp motor. The unit runs at 1725 rpm and is an economical two-station grinder/polisher. This machine ships with 2 - 3" x 8" sand belts (100g & 220g) on 8" expandable drums, 1/2 hp motor, instructions, and product guarantee.

#454EDU - \$975.00



Four Station Expandable Drum Unit

The #594 Four-Station Expandable Drum Unit features a 1/2hp high-torque motor with variable speed control. A steel shaft is securely mounted in heavy duty ball bearings greased for life. Accessories include four (4) 3" x 25-7/32" sanding belts (1-each 100g, 220g, 400g, & 600g), belt guard, instructions, and product guarantee.

#594EDU - \$1,495.00



110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
454EDU -MTR199- \$975.00	78 lbs.	25" x 25" x 18"	4542EU -MTR199- \$1,025.00
594EDU -MTR199- \$1,495.00	165 lbs.	40" x 28" x 20"	5942EU -MTR199- \$1,545.00

Grinders



Grinders & Polishers

Features

- ✓ 22" x 24" footprint
- ✓ 18" x 1" turned, ground, and polished shaft
- ✓ Fits 6" and 8" wheels
- ✓ 1/2 hp, high-torque motor
- ✓ Accepts 8" aluminum heads
- ✓ Completely customizable
- ✓ Runs quietly
- ✓ Neoprene sealed ball bearings, greased for life
- ✓ Heavy duty, powder coated construction
- ✓ 220V, 50Hz model available for overseas

Covington's Grinders & Polishers are customizable two-station units designed to suit each customer's unique needs. These machines accept 6" and 8" wheels, as well as 8" expandable drums and 8" aluminum heads with both left and right hand 1"-14 threading. Accessories include flanges, nuts, drive pulley, v-belt, belt guard, water valves, drains, instructions, and product guarantee. The hoods are easy to remove for cleaning or wheel changes. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for pressure systems. Spray nozzles under the hood wet the entire wheel face. Unit ships mounted on an aluminum-topped Lam-I-Cushion base. *Please note that this unit does not come with wheels, drums, or aluminum heads.

Grinders



Heavy Duty Grinder

The Heavy Duty Grinder & Polisher is a fully customizable two-station unit.
#400HDG - \$895.00



Variable Speed Grinder

The Variable Speed Grinder/Polisher is a fully customizable two-station unit designed with variable speed control. A spin handle on the front allows for changes between 800rpm and 1725rpm. This allows greater control with grinding and polishing results.
#592VSP - \$975.00

110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
400HDG -MTR199- \$895.00	77 lbs.	25" x 25" x 18"	4002HG -MTR199- \$945.00
592VSP -MTR199- \$975.00	78 lbs.	25" x 25" x 18"	5922VP -MTR199- \$1,025.00



Deluxe Grinders

Features

- ✓ 36" x 24" Footprint
- ✓ Adjustable cab and wheel rest
- ✓ Speed control with 8 rpm changes
- ✓ 1/2 hp, heavy duty motor
- ✓ 8" Expandable drum
- ✓ Runs quietly
- ✓ 8" Aluminum head with leather for polishing
- ✓ Neoprene sealed ball bearings, greased for life
- ✓ Heavy duty, powder coated construction
- ✓ 220V, 50Hz Model Available for Overseas

The 8" Grinder/Polisher is an excellent machine for grinding and polishing stones. With two hard wheels and one expandable drum, this unit will quickly shape and polish work pieces. The angled slots through the rubber rim of the drum allow it to expand when rotated, thereby locking the belt in place. The drum surface flexes to the contours of the gemstone quickly removing grinding flats and scratches. The hoods are easy to remove for cleaning or wheel changes. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for pressure systems. Spray nozzles under the hood wet the entire wheel face. This unit ships mounted on a rustproof aluminum-topped Lam-I-Cushion base.



FREIGHT

Silicon Carbide

The #752 8" Silicon Carbide Grinder/Polisher comes with two 8" x 1-1/2" silicon carbide grinding wheels (100g & 220g), one 8" expandable drum, one 3" x 25-7/32" sanding belt (400g), and one 8" x 1"-14RH aluminum head with 8" leather disc, sample kit (polish powder, brush, dop sticks, and wax), instructions, and product guarantee.

#752SGP - \$1,425.00



Diamond

The #754 8" Diamond Grinder/Polisher comes with two 8" x 1-1/2" metal bond diamond grinding wheels (100g & 220g), two 3" x 25-7/32" diamond cloth belts (400g & 1200g), one 8" x 1"-14RH aluminum head with leather disc attached, a 5-gram syringe of 50,000 mesh diamond compound, a 2-ounce bottle of extender fluid, sample kit (polish powder, brush, dop sticks, and wax), a book about using diamond abrasives, instructions, and product guarantee.

#754DGP - \$1,625.00



Grinders

110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
752SGP -MTR199- \$1,425.00	155 lbs.	40" x 28" x 20"	7522SP -MTR199- \$1,475.00
754DGP -MTR199- \$1,625.00	155 lbs.	40" x 28" x 20"	7542DP -MTR199- \$1,675.00



Build-Your-Own Arbors

Features

- ✓ Heavy duty cast aluminum construction
- ✓ Build-your-own style unit
- ✓ Fully customizable, two station units
- ✓ Turned, ground, and polished shaft
- ✓ Heavy duty ball bearings, neoprene sealed and greased for life
- ✓ 3" drive pulley and v-belt included
- ✓ Ships complete WITHOUT motor

Covington's Two-Station Arbors are build-your-own style grinders and polishers. These versatile units are designed to accept up to 10" wheels. Each unit ships complete with two nuts, a 3" drive pulley, v-belt, and two sets of 3" diameter flanges. The split housing connects using two bolts. Two bearings are set on the shaft with two set screws.

This arbor can be disassembled and reassembled in minutes.

Grinders



Two Station Closed Arbor

Covington's Two Station closed arbor has a fully sealed front casting. This unit is available with a 1" x 18" shaft or a 3/4" x 18" shaft. This unit fits 8" wheels comfortably but will accept 10" wheels if necessary.

1" Shaft: #TSA402 - \$325.00

3/4" Shaft: #TSA404 - \$325.00



Two Station Open Arbor

The Two-Station Open Arbor features an open center and a 1" x 23-3/4" shaft. A 2" riser shim is available to increase the amount of available space. This unit will easily accept 10" wheels when spacer shim is used.

#TSA412 - \$345.00

Model	Size	Weight	Dimensions
TSA402 - \$325.00	1" x 18" Mild Steel Shaft	14 lbs.	23" x 14" x 10"
TSA404 - \$325.00	3/4" x 18" Mild Steel Shaft	14 lbs.	23" x 14" x 10"
TSA412 - \$345.00	1" x 23-3/4" Mild Steel Shaft	18 lbs.	23" x 14" x 10"

Cab King

Features

- ✓ Direct drive, 1800rpm motor
- ✓ Individual water shut-off valves above each wheel and grinding/polishing pad
- ✓ 8 work stations, 6 wheels, and 2 end stations
- ✓ Clean water system provides contamination free work stations
- ✓ 110/115V, 605GPH, 30W pump
- ✓ 6W, 12V Lamp
- ✓ 220V, 50Hz available for international orders

The Cab King is an excellent unit for making cabochons. This 8-station grinder/polisher comes complete with 2 metal bonded diamond wheels (80g & 220g), 4 resin bonded diamond wheels (280g, 600g, 1200g, & 3000g), 1 no hole diamond flat lap (320g), one (1) 5-1/2" x no hole canvas polishing pad, a 2-gram syringe of diamond paste compound (14,000g), goggles, apron, and a separate submersible pump. Built on a sturdy base board, this unit features aluminum splash hoods with adjustable clear splash shields, plastic pans with drain holes, side splash guards, and metal hand rests.

One year limited warranty on motor and parts (wheels not covered).

6" Cab King

The 6" Cab King ships with a 1/4 hp direct drive motor, 2 - 6" x 1-1/2" electroplated diamond wheels, 4 - 6" x 1-1/2" resin bonded diamond wheels and a 6" x no hole flat lap. All other accessories and details are the same as listed above.

#CABK06 - \$1,399.00

8" Cab King

The 8" Cab King ships with a 3/4 hp direct drive motor, 2 - 8" x 1-1/2" electroplated diamond wheels, 4 - 8" x 2" resin bonded diamond wheels and an 8" x no hole flat lap. All other accessories and details are the same as listed above. ***Please note that this model ships in three boxes and some assembly is required.**

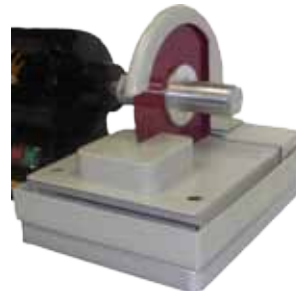
#CABK08 - \$2,399.00

Trim Saw Attachments

The Cab King Trim Saw Attachment features an 8" sintered blade, plastic blade guard, drip pan, pan support, splash guards, saw platform, and an additional platform for small rough stone. Spin off the right hand wheel and adapter, and spin on the special saw adapter with blade, set in place, and start cutting.

6" Model - #CABTSA - \$299.00

8" Model - #CABTS8 - \$299.00



Grinders

110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
CABK06 - \$1,399.00	57 lbs.	31" x 16" x 15"	CABK62 - \$1,399.00
CABK08 - \$2,399.00	75 lbs., 58 lbs., & 25 lbs.	40" x 13" x 14" / 50" x 17" x 18" & 20" x 14" x 11"	CABK28 - \$2,499.00



Grinder Accessories



Adjustable Hood & Pan
CSP591 - \$92.95
Three holes in pan back allow for various hood positions on pan.



Cast Aluminum Pan & Hood
CSP422 - \$155.00



10" Wheel Tank & Guard
WG5056 - \$109.95
Removable sides make wheel changes easy.



Glass Lathe Pan & Hood (with water valve)
CSW541 - \$105.95
Designed for low water/high access grinding.



Glass Lathe Pan & Hood (no water valve)
CSP541 - \$99.95
Designed for low water/high access grinding. Often used with Covington's Water Manifold.



Grinder Stands
22" x 24" - CGS200 - \$205.00
Use with #'s 400, 454, & 592
36" x 18" - CCS254 - \$235.00
Use with #594



Covington arbors are constructed with heavy-duty ball bearings mounted in a powder coated, cast aluminum housing. All shafts are made with top grade turned, ground, and polished steel to minimize vibration. Covington's will substitute standard shaft lengths for custom lengths on all ball bearing arbors. To find the price for a substitute shaft simply subtract the original shaft price from the preferred shaft price.
*If the desired length is not listed please call for a quote.

***Example: Arbor comes with CAS018 and if CAS021 is desired, Arbor cost is \$10.00 more. Arbor comes with CAS024 and if CAS018 is desired, Arbor cost is \$26.25 less.**

Mild Steel Shafts

1" x 18" - CAS018 - \$94.25
1" x 21" - CAS021 - \$104.75
1" x 23-3/4" - CAS024 - \$119.95
1" x 30" - CAS030 - \$135.95
1" x 36" - CAS036 - \$139.95

Stainless Steel Shafts

1" x 18" - CSS018 - \$104.25
1" x 21" - CSS021 - \$114.75
1" x 23-3/4" - CSS024 - \$129.95
1" x 30" - CSS030 - \$145.95
1" x 36" - CSS036 - \$149.95



2" Riser Shim
CAS158 - \$39.00

CHOOSING AND USING A COVINGTON COMBINATION UNIT

Combination units are typically used for trimming, grinding, smoothing, and polishing stones. Traditionally these units come with a trim saw, two or more grinding wheels, a smoothing wheel, and a polishing station. Covington's five station units have withstood the test of time and we firmly stand behind our product quality and durability. Each of our combination units is constructed of heavy duty aluminum castings accompanied by heavy gauge steel accessories.

DOES SIZE MATTER?

The main difference between Covington's two standard combination units is size. The 6" Combo is compact and portable whereas the 8" Combo is large and heavy. The 6" unit features a 6" trim saw, 6" grinding wheels, and a 6" polishing head. The unit requires about 4 square feet of table space. The 8" unit features a 10" trim saw with powerfeed, 8" grinding wheels, and an 8" polishing head. The unit is approximately 50" long and 18" deep. The advantage to the larger unit is it has the capability to cut and grind larger pieces. The larger wheels also have more surface area and therefore will last longer. The 8" unit also features more space in between wheels.

TRIMMING: The 6" unit features a 6" trim saw that is attached directly to the main shaft. This means that the saw is always running when the unit is running. The 8" unit features a separate trim saw with its own motor. The saw and wheels run separate from each other. 6" Combo units come with a small slab vise to hold pieces for trimming and small slabbing. This little vise requires the user to reclamp the piece for each cut. The saw on the 8" unit features a slabbing mechanism which allows for multiple cuts before reclamping is required. This saw also comes with a powerfeed to automatically cut the pieces without needing a complicated weight and scale system.

GRINDING

Both the 6" and 8" units come with the same grinding wheel set up. Whether you choose the silicon carbide system or the diamond, the grits remain consistent across units. Units come with one 100g wheel, one 220g wheel, and one soft wheel with 400g sand paper. The 100g wheel is designed to do all of your coarse grinding and shaping. The 220g wheel is designed to remove the coarse wheel scratches and prepare the pieces for the 400g smoothing step. The 400g wheel is soft and designed for removing the 220g

scratches and preparing the piece for a final polish. **PRO TIP:** A simple way to see if you are ready to move from one step to the next is to take a sharpie marker and cover the whole face of the piece in marker. Grind on your next step. If there are any marks left from the sharpie you need to keep grinding. Grind until all the sharpie marker is gone. Once the sharpie is gone you are ready to move on to your next step. You can cover the face in sharpie marker again to make sure you grind the whole surface.

SILICON CARBIDE: Although this system is still slightly cheaper than the diamond, Silicon Carbide is more messy. Silicon Carbide is a 9 on the Mohs scale and is a tried and true media used for grinding stones. Replacement wheels are slightly less expensive.

DIAMOND: Diamond is slightly more expensive than silicon carbide but long term customers tend to be happier with Diamond wheels. They are cleaner to use and easier to work with. Diamond wheels have come down tremendously in cost and are now only slightly more than silicon carbide wheels.

POLISHING

There are several techniques for polishing stones. Two of the most common are discussed below.

DIAMOND COMPOUND: Polishing with diamond compound paste is still a popular form of polishing stones. The technique involves spreading paste onto either a polishing plate or a leather disc. You need to have a dedicated disc for each mesh of compound so as not to contaminate the finer compounds with coarser pieces of diamond. Simply squirt some compound out of the syringe and onto the disc. Use diamond extender fluid to spread the diamond across the face of the disc. You will also want to keep the extender fluid handy as it will act as your coolant. Reapply to the stone and the leather as necessary to reduce the heat on the stone.

CERIUM OXIDE: Cerium Oxide is a great general purpose polish. It is typically used in combination with leather in lapidary applications. For the first application of Cerium to leather, simply create a small container of cerium paste in a bowl and paint it onto the spinning leather head. The greatest amount of cerium will be used on the first application. Additional applications can be made using a heavy duty spray bottle and cerium. We like to use 3 parts water to one part cerium in a spray bottle, shake it very well, and apply to the disc. This tends to be the most cost effective choice for polishing stones.



6" Combo Unit

Features

- ✓ Heavy duty cast aluminum construction
- ✓ Runs quietly
- ✓ 6" Trim saw vise
- ✓ Powder coated for durability
- ✓ Variable Speed
- ✓ Stainless steel shaft
- ✓ 1/3 hp motor
- ✓ 24" x 22" Footprint
- ✓ 220V, 50Hz available for international orders

Combination units are a great tool for cutting, trimming, grinding, shaping, and polishing small stones. The six inch saw allows for pieces to be cut and trimmed up to approximately two inches in size. A trim saw vise is included with this unit to make trimming easy. The vise will hold small stones firmly in place while cutting. The blade and wheels are mounted on a stainless steel shaft to resist rust. Sealed ball bearings are mounted in rubber for quiet and smooth operation. Powder coated hood, belt guard, and tanks provide long lasting surface protection for each unit. A spin handle on the front of the unit allows for continuous speed adjustment from 800rpm to 1725rpm. The hood removes easily for inspection, wheel change, and cleaning. The complete unit is mounted firmly to Covington's signature rustproof base. All units ship complete with a 6" Covington Gold blade, 6" x 5/8"-18RH aluminum head with leather disc attached, 1/3hp motor, slab vise, water valves, drains, expandable drum with 400g sanding belt, sample kit (#1 Koolerant, polish powder, brush, dop sticks, and wax), instructions and product guarantee. Each unit ships ready to plug in and operate.

Grinder
Combo Units



Silicon Carbide Combo

The silicon carbide unit is a lower cost option that comes complete with (2) 6" x 1" silicon carbide grinding wheels (100g & 220g).

#494SCU - \$1,345.00



Diamond Combo

The diamond unit comes complete with two (2) 6" x 1-1/2" metal bonded diamond grinding wheels (100g & 220g), one (1) 2-1/2" x 18-15/16" diamond sanding belt (1200g), five (5) 2-1/2" x 18-15/16" silicon carbide sanding belts (400g), 5-gram syringe of 50,000 mesh diamond compound, 2-ounce bottle of extender fluid, and a book about using diamond abrasives.

#495DCU - \$1,495.00

110V, 60Hz Model	Weight	Dimension	220V, 50Hz Model
494SCU -MTR534- \$1,345.00	76 lbs.	25" x 25" x 14"	4942SC -MTRH81- \$1,395.00
495DCU -MTR534- \$1,495.00	76 lbs.	25" x 25" x 14"	4952DC -MTRH81- \$1,545.00

8" Combo Unit

Features

- ✓ Five work stations with adjustable cab and wheel rest
- ✓ Runs quietly
- ✓ Two heavy duty motors, one for the saw and one for the grinder
- ✓ Must ship freight carrier
- ✓ Levermatic speed control with 8 rpm changes
- ✓ Powder coated for rust resistance and durability
- ✓ Comes standard with power feed on saw
- ✓ 220V, 50Hz available for international orders

Enjoy the convenience of starting and finishing gemstone material on one machine with Covington's 8" Deluxe Combination Unit. Two motors drive the 10" trim saw and grinding station separately. All units ship complete with a levermatic speed control, two grinding wheels (100g & 220g), one (1) 8" lever lock drum with silicon carbide sand cloth (400g), one (1) 8" muslin buff, one (1) 8" x 1"-14RH aluminum head with leather disc attached, sample kit (#1 Koolerant, polish powder, brush, dop sticks, and wax), instructions, and product guarantee. A 1/3hp motor drives the saw and a 1/2hp high-torque motor drives the grinding unit. The hood removes easily for cleaning or wheel changes. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for a pressure system. Spray nozzles under the hood wet the entire wheel face. The 10" trim saw features a Covington Gold Series diamond blade. This unit ships fully assembled and mounted on Covington's signature rustproof, Lam-I-Cushion base.

Cabinet stand is sold and shipped separately.

Deluxe Silicon Carbide Combo

The #446 8" Deluxe Silicon Carbide Unit is an economical option that comes complete with the above listed accessories and two (2) 8" x 1-1/2" silicon carbide grinding wheels (100g & 220g).

#446DSC - \$2,395.00

Deluxe Diamond Combo

The #447 8" Deluxe Diamond Unit comes complete with the above listed accessories and two (2) 8" x 1-1/2" metal bonded diamond grinding wheels (100g & 220g), 5-gram syringe of 50,000 mesh diamond compound, 2-ounce bottle of extender fluid, and a book about using diamond abrasives. The diamond combo is our most popular unit due to the economy of the machine and the ability to cut and polish all in one space. The diamond unit is pictured to the right.

#447DDC - \$2,595.00



Small Cabinet Stand

SCS467 - \$165.00

See page 36 for picture

Grinder
Combo Units

110V, 60Hz Model	Motors	Weight & Dimension	220V, 50Hz Model
446DSC - \$2,395.00	MTR534 & MTR199	205 lbs. & 56" x 28" x 24"	4462SC - \$2,445.00
447DDC - \$2,595.00	MTR534 & MTR199	205 lbs. & 56" x 28" x 24"	4472DC - \$2,645.00



Combo Accessories



Covington's Gold Series Diamond Blades are excellent quality, commercial grade blades, designed for lapidary work. More diamonds in the notched rim and a stiffer core make this blade cut faster and maintain a longer use life. The Gold Series blades are a great low cost choice and they come standard on 6" through 10" saws. These blades are the most economical choice for a wide range of lapidary cutting needs. Covington units utilize a 5/8" arbor size for 6" to 10" saws.

Gold Series Blades

6" -CGB006 - \$18.00

Rim 0.044 -- Arbor 5/8" to 1/2"

8" -CGB008 - \$22.50

Rim 0.044 -- 5/8" - 1/2" Arbor

10" -CGB010 - \$38.00

Rim 0.052 -- Arbor 5/8" to 1/2"

See Page 67 for More Sizes



Rockhound Oil is one of the finest coolants on the market. This mineral based oil has no distasteful odor and features excellent cooling properties that extend the life of the blade and saw. Covington recommends this oil for all saws over 10" or for cutting hard stone. A high flashpoint of 230 degrees Fahrenheit ensures safe operation in all conditions.

Rockhound Oil

Quart -RHO016- \$7.50

Gallon -RHO100- \$22.00

5 Gallon -RHO500- \$100.00



The #467 Small Cabinet Stand is designed to hold all Covington 8" combination units. An optional Lam-I-Cushion table top and door kit are available to convert this stand into a workbench. The #386 Large Cabinet Stand makes an excellent multi-purpose workbench. An optional Lam-I-Cushion table top and door kit are also available to convert this stand into a workbench. ***Optional top and door kit are sold separately.**

Cabinet Stands

Small Stand

36" x 12" - SCS467 - \$175.00

Table Top - SCSTOP - \$125.00

Door Kit - SCSKIT - \$40.00

Large Stand

36" x 24" - LCS386 - \$225.00

Table Top - LCSTOP - \$150.00

Door Kit - LCSKIT - \$40.00



Leather Discs

6" -LPD006- \$5.75

8" -LPD008- \$6.50

10" -LPD010- \$8.25

**Not
Sure What You're
Looking For?**
Covington is happy to make
additional recommendations and
provide shipping quotes!
Email us today!



*Pictured with 1-80g silicon carbide belt on left and 1-1200g diamond belt (blue) on right.

Covington's Expandable Drums feature angled slots through the heavy rubber rim which allow the drum to expand when rotated, thereby locking the belt in place. Belts can be quickly changed by stopping the machine, slipping off the old one and sliding on the new one. In use, the resilient drum surface flexes to the gemstones contour to quickly remove grinding flats. Run at a maximum speed of 1725rpm.

Expandable Drums

6" x 2-1/2"

CED625- \$65.00

8" x 3"

CED830- \$75.00



Covington's 6" and 8" Standard Diamond Grinding Wheels are an excellent way to pre-form rough stone and glass material. These solid steel wheels are balanced and nickel electroplated to lengthen wheel life. These are the same heavy-duty wheels mounted on all Covington diamond grinding units.

Standard Diamond Wheels

100g

6" -DW6100- \$117.00

8" -DW8100- \$153.00

220g

6" -DW6220- \$114.00

8" -DW8220- \$150.00

**More Options Available on
Page 104**

Combo Accessories



Dop Wax

Green

CDW624 - \$17.75

Green Dop Wax has been the industry standard for many years. It has a very strong bond and softens at 150 degrees Fahrenheit.

Black

CDW625 - \$17.75

Black Dop Wax is an extra strong, high temperature facet wax that softens at 170 degrees Fahrenheit.



Dop Stove

EDS083 - \$54.00

Covington's Electric Dop Stove comes complete with a removable copper pot and operates on 110V, 60Hz current.

It consumes no more energy than a 50-watt bulb. Allow 15 minutes for dop wax to reach the proper temperature. Dop stove will maintain the proper temperature for as long as it is in operation. This unit can also be used as a pickling pan and wax heater for silversmiths and jewelry designers.



Covington's Gem Templates are a basic piece of lapidary hardware used to scribe cabochon shapes on rock slabs prior to trim sawing. The colorful, easy-to-recognize, .030 thick, anodized aluminum templates are rigid, and excellent for quick measuring or stenciling. Both sides of a cabochon may be scribed by placing a slab between two connected templates (doubles) and outlining each side. Grinding proceeds faster and more accurately using this method.

Gem Templates

Blue - Ovals & Circles

Single - CGT325 - \$6.00

Double - CGD325 - \$13.00

Plastic - CPT345 - \$4.00

Gold - Squares & Rectangles

Single - CGT326 - \$6.00

Double - CGD326 - \$13.00

Plastic - CPT346 - \$4.00

Red - Hearts & Misc.

Single - CGT327 - \$6.00

Double - CGD327 - \$13.00

Plastic - CPT347 - \$4.00

Set of 3 Single Templates w/ Aluminum Scribe

Aluminum - CGT328 - \$17.00

Plastic - CPT328 - \$11.00



Dop Sticks

HDS625 - \$3.50

A set of 10 - 4" long hard wood dop sticks. This kit contains 2 each: 1/8", 1/4", 5/16", 3/8", and 1/2" diameters.



Extra Copper Pot

CDP084 - \$21.00



Plumbing Kit for 6" and 8" Combination Unit

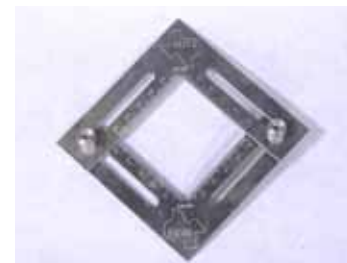
PLUKIT - \$69.95

Kit includes water pump, drain kit, 1/4" tubing, and 1/4" brass insert.



Aluminum Scribe

TAP626 - \$1.25



Rock Marking Template

CRM350 - \$6.00

Grinder Combo Units



CHOOSING AND USING A COVINGTON SANDER

Covington's Sanders are high-quality, multipurpose units. Available in a variety of sizes and compositions, there is something in this line of units for a range purposes. Sanders can grind and polish small and large pieces of glass and stone. These units are also excellent for deburring, shaping, cleaning, sharpening, and smoothing work pieces. Every sander comes fitted with a 220g silicon carbide sanding belt. These versatile units are an excellent choice for beginners and professionals alike. Glass customers believe every coldworking shop should have a Covington Sander!

CHOOSING YOUR COVINGTON SANDER

COVINGTON'S HORIZONTAL SANDERS are available in two sizes and designed for working long flat pieces such as tile edges. These two units feature a long flat backing plate to ensure a smooth flat edge.

COVINGTON'S BASIC WET BELT SANDER is the base unit for the **MOUNTED WET BELT SANDER**. This unit features approximately six usable inches of workspace, but longer pieces can be worked across the belts three-inch face by moving left and right across this work area. A two-inch high back plate is installed to allow the user to make a hard edge. The space above the back plate is more forgiving and allows for softer edges and curves. These units accept 3" x 24" belts. Belts are available in silicon carbide and diamond for grinding, cork for pre-polishing glass, and felt for polishing glass. The Basic Sander does not feature a motor or a baseboard for mounting. This unit is designed for the user who already has a motor and a place to mount the unit. The Mounted Basic Sander is a complete unit that can just be plugged in and started.

COVINGTON'S LARGE BASIC WET BELT SANDER is the base unit for the **COMMERCIAL WET BELT SANDER** and the **DELUXE COMMERCIAL WET BELT SANDER**. These models feature approximately thirteen usable inches between drums. The Basic unit and the Commercial Unit both come with a four-inch backing plate installed; the Deluxe Commercial unit comes with a thirteen-inch backing plate installed and a four-inch backing plate which can easily be substituted for the larger one. The backing plates are designed to give a solid grind to your piece. The belt above the backing plate is softer and more malleable which allows for smoother curves and shapes. Pieces larger than thirteen inches can be worked horizontally across the face of the belt. These units accept 3" x 41-1/2" belts that will give you approximately twice the wear life of the 3" x 24" belts for the smaller sanders.

When deciding between the sanders, it is important to know your work. If you are only ever working small pieces such as jewelry then the small sander will probably suit your needs. However, for a little more you can purchase the Commercial Sander, which provides more usable workspace and longer belt life. It is important to remember the price of the consumables when pricing your purchase. The belts will add additional cost throughout the life of the unit. The advantage to the Deluxe Commercial Sander is the 1/2hp motor with a capacitor; this provides more than sufficient torque for working large pieces and pressing against the belt.

TRACKING

The most common question we receive is about tracking the belt onto the drums. This is easily accomplished by adjusting the tri-knob on the top left hand side of the sander. Turning the knob towards yourself brings the drum up and tightens the belt driving the belt to the left. Turning the knob away from you tilts the drum down and drives the belt to the right loosening the belt. You may need to adjust the tension on the belt if the belt is new or if the belt has become saturated with water. Dry belts tend to be tighter and the tension bolt underneath the upper drum may need to be loosened. As the belt becomes wet you will probably have to tighten the tension to keep it tracking true. Adjust the tension by turning the bolt to the right, lifting the drum up, and tightening the belt. When you want to change the belt altogether, grab the switch and spin the tri-knob towards yourself. When the belt is hanging off the right hand side, turn the switch off and finish working the belt off the drums by hand. Work the new belt onto the drums by hand. Tighten the tri-knob by turning it towards yourself and then turn the switch back on. Using the tri-knob only, adjust it until it tracks straight using the guidelines above. NEVER adjust the nylon lock-nut that is below the tri-knob and above the tensioning bolt. This lock-nut is factory set and if over-tightened it will snap the upper bearing casting. This is a user mistake and any damage to the casting is NOT covered by the warranty. Always leave this nut alone.

WATER HOOK-UP

There are a few options available for water hook-up to your new Covington Sander. The two most common are the pressure tank, which provides water to the belt with only a few pumps of pressure, or the water pump, which provides constant water to the belt. Both methods are efficient and inexpensive. The Pressure Tank will hook right into your sander valve and must be tightened down sufficiently for the aluminum tubing to remain in the valve. Simply give the pressure tank a few pumps and the water will begin to spray onto the belt. You will occasionally have to pump the handle to keep pressure in the tank and keep the water flowing. The water pump is a submersible unit that must be placed into a bucket of water. The pump has a quick connect attachment for the 1/4" plastic tubing. Simply press the tubing into the quick connect and it will stay in place. The other end of the tubing must be placed securely into the sander valve using a copper fitting with the tubing. This fitting prevents leaking. Once the tubing is connected, simply plug the pump into an outlet, make sure the valve is open and it will begin putting water onto your belt.

We usually recommend purchasing a drain kit with your sander to eliminate dirty water as it accumulates in the pan. Simply remove the drain plug, attach the drain kit, and put the remaining tubing into a bucket. By removing the water from the pan, you prevent over flow, cross-contamination, and scratching of your pieces.

Wet Belt Sanders

Features

- ✓ Heavy duty cast aluminum pan and upright
- ✓ Solid steel backing plate
- ✓ Powder coated for durability
- ✓ Single control alignment to keep belt running true
- ✓ Runs quietly
- ✓ Shielded bearings, double sealed and greased for life
- ✓ 220V, 50Hz available for international orders
- ✓ See page 42 to COMPLETE your unit!

Covington's Wet Belt Sanders are designed for grinding, shaping, and polishing stones and glass. These units include a water valve for easy hook-up to a water supply. Units are mounted to a rustproof base and come complete with motor, belt guard, sponge, instructions and product guarantee.

Mounted Wet Belt Sander

The #466 Mounted Wet Belt Sander features 6" of usable work space and a 2" high backing plate. It ships with a 3" x 24" belt, and a 1/3hp motor attached, ready to plug in and operate. Consider a plumbing kit to complete your unit!

#466WBS - \$625.00



Commercial Wet Belt Sander

The #760 Commercial Wet Belt Sander features 13" of usable work space. This design accepts 3" x 41-1/2" belts which provides greater surface area for grinding and by extension, a longer belt life. The commercial size ships with a 4" high backing plate and the 1/3hp motor mounted and ready for use.

#760WBS - \$746.25

Deluxe Commercial Wet Belt Sander

The #761 Deluxe Commercial Wet Belt Sander features 13" of usable work space. This unit also accepts 3" x 41-1/2" belts which provides greater surface area for grinding and by extension, a longer belt life. The deluxe size ships with both a 13" and a 4" high backing plate making it possible to wet sand flat surfaces vertically. The deluxe unit also features a 1/2hp motor with dual capacitors so provide ample power for large jobs. By far our most popular model, the 761 is the most versatile of our sanding units (pictured right).

#761WBS - \$866.25



Sanders

110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
466WBS - MTR534 - \$625.00	45 lbs.	24" x 12" x 20"	4662WS - MTRH81 - \$675.00
760WBS - MTR534 - \$746.25	52 lbs. / 67 lbs.	27" x 27" x 14"	7602WS - MTR199 - \$796.25
761WBS - MTR199 - \$866.25	67 lbs.	27" x 27" x 14"	7612WS - MTR199 - \$916.25



Flat Sanders

Features

- ✓ Heavy duty 16 gauge steel pan
- ✓ Solid steel backing plate
- ✓ Powder coated for rust resistance and durability
- ✓ Single control alignment to keep belt running true
- ✓ Runs quietly
- ✓ Shielded bearings, double sealed and greased for life
- ✓ 220V, 50Hz available for international orders
- ✓ See page 42 to COMPLETE your unit!

Covington's Horizontal Wet Belt Sanders are designed for grinding long flat surfaces such as tile edges and bevels but are not suited to rounds and radius work. These units are not designed for polishing applications. The belt runs too close to the tank bottom which leads to contamination issues. Like our other sanders, these are wet belt sanders and come with a water valve that accepts 1/4" tubing. Both of our flat sanders are mounted on Covington's signature rustproof Lam-I-Cushion base. You can complete your sander and have it running the same day with the addition of a horizontal sander plumbing kit!

Sanders



Horizontal Wet Belt Sander

The #460 Horizontal Wet Belt Sander is designed for grinding flat surfaces such as tiles. This sander uses 3" x 25-7/32" sanding belts and comes complete with a 1/3hp motor mounted on a rustproof aluminum-topped Lam-I-Cushion base, a water valve and spray nozzle for water supply hook up, 3" x 6" backing plate, instructions, and product guarantee. This machine ships with the motor attached, ready to plug in and operate.

#460WBS - \$625.00



Commercial Horizontal Sander

The #762 Commercial Horizontal Wet Belt Sander is designed for large production work. This sander comes complete with a 1/2hp motor, instructions, and product guarantee. The supported back plate gives user a 3" x 13" working space for grinding long flat surfaces. This sander uses 3" x 41-1/2" sanding belts. These belts will typically last longer because of the increased surface area of a larger belt size. This model ships with the motor attached ready to plug in and operate.

#762WBS - \$865.00

110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
460WBS - MTR534 - \$625.00	43 lbs.	24" x 12" x 10"	4602WS - MTRH81 - \$675.00
762WBS - MTR199 - \$865.00	72 lbs.	27" x 27" x 14"	7622WS - MTR199 - \$915.00

Basic Sanders

Features

- ✓ Single control alignment to keep belt running true
- ✓ Shielded bearings, double sealed and greased for life
- ✓ No motor or mounting base
- ✓ Heavy duty cast aluminum pan and upright
- ✓ Solid steel backing plate
- ✓ Powder coated for durability

Covington's Basic Wet Belt Sanders are designed for grinding, shaping, and polishing stones and glass. The basic sander is a "build-your-own" style unit. **It is sold without the motor, base board, belt guard, v-belt, and water supply.** These units are ideal for person who has a pre-existing motor or one that we do not carry. These units give the user the freedom of set up and have fewer space constraints. All units ship with sponge, instructions, and product guarantee.

Basic Wet Belt Sander

The Basic Wet Belt Sander uses 3" x 24" sanding belts. It features six inches of usable work space and a two inch high backing plate.

#464WBS - \$399.00



Basic Commercial Wet Belt Sander

The Large Basic Wet Belt Sander uses 3" x 41-1/2" sanding belts. It features thirteen inches of usable work space and a four inch high back plate.

#764WBS - \$549.00



Sanders

Model	Size	Weight	Dimensions
464WBS - \$399.00	Small/Basic	18 lbs.	16" x 12" x 10"
764WBS - \$549.00	Large/Commercial	28 lbs.	28" x 18" x 15"



Sander Supplies



Sander Arbors

Upper -CAR18U- **\$42.50**
3/8" Pulley End

Lower -CAR19L- **\$41.50**
1-1/2" Pulley End

All Covington sanders utilize the same upper and lower arbors. Both upper and lower arbors feature a 5/8" smooth shaft and a 5" over all length. The mounting holes are 3" apart and have a 1/4" diameter.



1/3 hp Motor

MTR534 - **\$175.00**
Commercial Duty Motor
1/3hp - 1725rpm - 5.33A

1/2 hp Motor

MTR199 - **\$275.00**
Capacitor Start & Thermal
Protection
220V, 50Hz Compatible
1/2hp - 1725rpm - 5.5A at 110V



Sander Drum Only

CSP309 - **\$45.50**

Drum & Bearing Set

CSP309 + Arbor - **\$82.95**

If you are changing from the old style sander drum to the new style, we recommend the additional purchase of arbor bearings to accommodate the tighter, more precise, drum fit on the bearing shaft.



Felt Pad

Square - FELTVS - **\$1.00**
Rectangle - FELTHS - **\$1.50**



Backing Plates

2" - CSBP02- **\$15.25**

Tool Rest - CSTR02- **\$15.25**

4" - CSBP04- **\$35.50**

13" - CSBP13- **\$55.50**



Tri Knob

1/4"-20 Thread
TRIKNB - **\$3.95**



Sander Stands

22" x 24" - CGS200 - **\$205.00**
Use with # 762

12" x 24" - CSS264 - **\$180.00**
Use with #'s 460, 466, 760, & 761

Covington's Heavy-Duty Sander Stands are designed for use with Covington sanders. Stands are made of heavy gauge steel and powder coated to resist rust. Both stands are built to a comfortable height of 32" and are made with 1-1/2" steel box tube.



Sand belt starter kits are an excellent choice for both beginners and professionals. this 10 pack of belts ensures you are ready to start sanding right away and will help you learn which belts work best for your application.

Sand Belt Kits

2-1/2" x 6"
SBK218- **\$14.50**

3" x 24"
SBK324- **\$18.00**

3" x 8"
SBK325- **\$20.25**

3" x 41-1/2"
SBK341- **\$31.50**

Each kit includes 10 belts (1 each - 60g, 80g, 220g, 320g, 400g, 600g, 800g, 1,000g, and 2 -100g) ** To receive this special price, belts may **not** be exchanged for other grits.



Plumbing Kit for Sanders

Vertical -WBSKIT - **\$69.95**
Horizontal -WBSKTH - **\$69.95**
Kit includes water pump, drain kit, 1/4" tubing, and 1/4" brass insert.

CHOOSING AND USING A COVINGTON SAW

Covington manufactures a wide range of saws for a variety of purposes and applications. All of our large slab saws are constructed of a heavy duty steel frame and heavy gauge steel, powder coated tank and hood. In 2015 Covington enhanced the slab saw design to improve square on the units which allows the hoods to fit each saw better. From 6" trim saws to 36" slab saws; we have a saw to fit your needs. When choosing a saw, the first thing to consider is sample size. Ask yourself "How big are the pieces I want to cut?" Once you have your answer to this question, you can determine which size saw you need. See the chart (right) to help you decide. Please keep in mind that many people tend to wish they could cut larger later down the road so a little more money for a larger saw might be the more economical long-term choice.

SAW SIZE CHART

This chart determines the saw size required to cut rough rock. These recommendations are made to allow the most efficient cutting while offering the longest blade life. Larger rocks than those specified can be cut, but the surface area of the blade will receive greater wear.

GLASS VS. STONE

Covington saws will cut both glass and stone. It is important to know what kind of material you will be cutting when choosing a saw. We offer a variety of trim saws with blades designed specifically for cutting glass. A simple blade and rpm change can turn one of our lapidary saws into a saw designed to cut glass. Glass can be cut using only water. By contrast, a better coolant is necessary to cut stones. Anything that is harder than a 5 on the Mohs scale requires a better lubricant to reduce the heat factor on the blade and on the stone. Rockhound Oil is an excellent general-purpose oil for cutting stones of any hardness. This is a food grade mineral oil with two additives, one raises the flashpoint and the other virtually removes the smell. This is our number one selling rock cutting oil.

LET'S TALK BLADES

Once you have decided what type of material you are going to cut, it is important to choose a saw blade to suit your need. Covington carries a large selection of blades designed for a variety of purposes.

GOLD BLADES: This is a high quality brand of general purpose blades. These notched rim blades cut a wide selection of materials. If you don't know what kind of material you will be cutting, this is an excellent starting point. The Gold Blades are economically priced with fair results.

PLATINUM 303 BLADES: As the name suggests, these are a superior brand of blade featuring a sintered rim. The 4" through 14" sizes are continuous rim while the 16" and larger are segmented rim. The segmented rim allows for better washout of the rock particles when cutting. This brand comes standard on Covington's three largest slab saws.

PLATINUM 301 BLADES: This is Covington's best lapidary blade. Featuring a special sintered rim design that allows superior washout, the 301 blades truly give a superior cut and are worth the additional cost. These blades are only available in sizes 6" through 20" and comes standard on Covington's smaller slab saws (sizes 12" – 20").

ULTIMATE GLASS BLADES: The ultimate glass blade features a unique technology for cutting glass. Covington's very own glass blade brand, the Ultimate blade gives resin blade quality cuts while using a sturdier metal matrix. The matrix is the perfect density for cutting glass while leaving an excellent, mild grind ready finish. This blade is the perfect choice for any glass cutting needs. This blade will blow away any competitor brand glass blades.

****It is important to remember to dress your blades regularly and frequently.**** It is necessary to reexpose the diamond on the blade otherwise the blade and saw will not cut. Dressing your blade is a simple technique using the gray 220g silicon carbide block or white 220g aluminum oxide stick you receive with your saw. Simply turn on the saw and slice off the very thinnest amount you can on the side of the stone while still covering both edges of the saw blade. Repeat as many times as necessary to deglaze and reexpose the diamond. A loupe will show you where you have diamond and where you have pockets. See page 65 for more information.

OIL CHART

Covington saws are "Immersion Type" wherein the diamond blade runs in a reservoir of cooling fluid. The Koolerant mix should stand up 1/4" to 3/8" on the bottom of the blade. Please Note: For 1100 Series Saws, the tank dimensions are the same for all three. The larger blades reach lower in the tank and therefore need less Koolerant. That being said, it is always smart to order a little extra oil so as to have some on hand when it is time to clean the old oil. The formula for determining the amount of fluid needed is stated as follows in inches, Length x Width x Depth / 231 (cubic inches per gallon). See the chart (left) for the approximate amount of fluid needed to fill a tank to the proper level. This chart is to be used as a guideline.

Saw Size Chart	
Rock Diameter	Blade Diameter
Up to 2"	6" to 8"
Up to 3"	10"
3" to 4"	12"
3" to 5"	14"
3" to 6"	16"
3" to 7"	18"
3" to 8"	20"
3" to 10"	24"
3" to 12"	30"
3" to 15"	36"

Oil Chart	
Saw Size	Amount
6"	1 quart
8"	1/2 gallon
10"	1/2 gallon
12"	6-1/2 gallon
14"	4-1/2 gallon
16"	2-1/2 gallon
18"	5-1/2 gallon
20"	7-1/2 gallon
24"	9-1/2 gallon
30"	22 gallon
36"	23-1/2 gallon
Fluid amounts are approximations and will vary depending on blade and saw.	

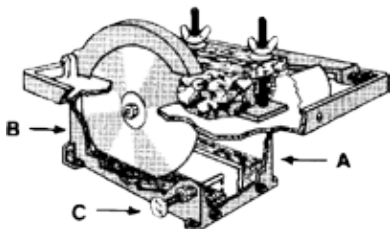


10" Trim Saws

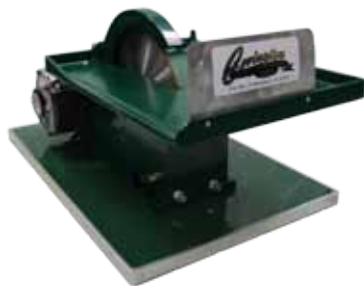
Features

- ✓ 10" x 5/8" gold blade
- ✓ Front shield to protect user from cutting waste
- ✓ 1/3 hp motor mounted on tank casting
- ✓ Cross feed permits 3-1/2" of material to be slabbed without reclamping
- ✓ Bulldog vise grip holds all rock shapes and swings away for hand trimming
- ✓ Hold down hook runs under tabletop to prevent jamming
- ✓ Heavy duty cast aluminum construction
- ✓ 220V, 50Hz available for international orders

Koolerant Kontrol



Covington's 10" Trim Saws cut rocks, minerals, and glass. Ball bearing arbor assembly has grit slinger to protect precision bearings. Trim saws feature Covington's unique "Koolerant Kontrol" valve which virtually eliminates splash. Valve "C" adjusts the flow from reservoir "A" into blade compartment "B" to maintain proper coolant levels. Excess coolant from cutting area returns to the reservoir. Twin drains allow easy cleaning of sump. All units ship assembled with 1/3 hp motor, aluminum topped Lam-I-Cushion base, dressing block, Koolerant Kontrol Valve, operating instructions, and product guarantee.



10" Trim Saw

Covington's 10" Trim Saws are available in three models. All units ship assembled with motor, Covington's signature rustproof base, operating instructions, and product guarantee. Covington's "Complete" unit includes power feed, and hood. The hood ships in a separate box.

Power Feed: #1510PF - \$1,195.00

Complete w/ Hood: #1510CS - \$1,295.00

Power Feed w/ Ultimate Blade: #1510UG - \$1,267.00

Complete w/ Hood & UG Blade: #1510UC - \$1,367.00

10" Glass Trim Saws

Covington's Glass Trim Saws ship complete with your choice of Covington's best glass blades. The 10" Glass Trim Saws produce smooth clean cuts with minimal chipping and a prolonged blade life. Open table space permits ample room for free trimming. The Ultimate Glass blade is perfect for all your glass trimming needs and gives almost a resin type finish on the cut. If you need a resin blade, the #5115 is perfect for you, but be warned, the resin is extremely fragile! This simple saw is designed for hand trimming only.

Ultimate Blade Model: #5110TS - \$975.00

Resin Blade Model: #5115TS - \$1,025.00

Saws

110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
1510PF - MTR534 - \$1,195.00	65 lbs.	28" x 18" x 15"	15102P - MTRH81 - \$1,245.00
1510CS - MTR534 - \$1,295.00	65 lbs.	28" x 18" x 15"	15102C - MTRH81 - \$1,345.00
1510UG - MTR534 - \$1,267.00	65 lbs.	28" x 18" x 15"	15102G - MTRH81 - \$1,317.00
1510UC - MTR534 - \$1,367.00	65 lbs.	28" x 18" x 15"	15102U - MTRH81 - \$1,417.00
5110TS - MTR534 - \$975.00	56 lbs.	28" x 18" x 15"	51102S - MTRH81 - \$1,025.00
5115TS - MTR534 - \$1,025.00	56 lbs.	28" x 18" x 15"	51152S - MTRH81 - \$1,075.00

6" Trim Saw

Features

- ✓ 6" x 1/2" Covington Gold blade
- ✓ Solid cast aluminum tank, blade guard, and trim table
- ✓ Powder coated for rust resistance and durability
- ✓ Runs quietly
- ✓ Accepts 6" x 1/2" grinding stone
- ✓ Shielded bearings, double sealed and greased for life
- ✓ 220V, 50Hz available for international orders

Covington's 6" Trim Saw units are compact, versatile units that trim and grind small work pieces. The 6" blade will trim up to two inch pieces. This unit utilizes the "immersion style" form of cutting wherein the blade dips below the liquid line and draws the liquid up with the blade. A drain plug is situated on the side of the tank for easy removal of sump and cleaning. An easy to remove nut and flange allows a quick change between the saw blade and grinding wheel. Each unit features a 1/2" arbor shaft mounted in two sealed ball bearings. A solid aluminum table top fits neatly into the tank and makes hand trimming easy.

6" Trim Saw & Grinder

Covington's 6" Mounted Trim Saw and Grinder ships complete mounted on a Lam-I-Cushion base with a 1/3hp motor with switch cord, 6" x 1/2" 100g silicon carbide grinding wheel, 6" gold blade, instructions, and product guarantee.

*Trim Saw Vise is sold separately.
#497FSM - \$499.95



110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
497FSM - MTR534 - \$499.95	40 lbs.	24" x 12" x 10"	4972FM - MTRH81 - \$549.95



Covington's dressing blocks will scour away glaze coating and expose the diamond cutting edges of a saw blade restoring cutting action. *Please note: it may take several cuts to deglaze the blade.

**220g Silicon Carbide Block
for Lapidary Blades**
SCB522- \$12.25



Trim Saw Vise
TSV695 - \$40.00

The Trim Saw Vise is designed to work on the model #494, #495 & #497. The vise opens up to 1-5/8" and firmly grips rock.



6" x 1/2" - 100g
SC1605 - \$48.00

PRO TIP:
Dressing your blade regularly will ensure that your blade stays sharp for cutting.

Saws



10" Chop Saws

Features

- ✓ Perfect for cutting bottles and milli chips!
- ✓ Use in combination with Covington's Ultimate blade for superb results!
- ✓ Optional leg stand available for all models
- ✓ Modified to cut at a lower speed!
- ✓ Limited 220V, 50Hz available for international orders

10" Husqvarna Tile Saw

The Husqvarna Tilematic TS 250 X3 is a professional grade chop saw designed for cutting glass. The 1-1/2hp Baldor TEFC motor is designed specifically for use on this unit. The 18" x 16-1/2" platform uses Husqvarna's patented technology and slides with the utmost ease. With a 10" blade capacity, this saw can cut glass with a depth of 3-3/4" and up to 24" in length. Covington Engineering has worked closely with Husqvarna to modify the cutting speed of this saw from 2,760rpm to 1,971rpm in order to reduce chipping when cutting glass. Please note that some assembly is required and that the leg stand is sold separately.

#HCS250 - \$1,495.00

Stand: #CSTAND - \$155.00

10" MK Tile Saw

The Covington-MK saw has been modified especially for glass. Whether you are cutting borosilicate, soft glass, pattern bars, or even bottles, the Covington modified MK Tile saw will do the trick. We have slowed down the blade RPM's from 3450 to 2500 which gives a smoother cut on the glass. We include our Ultimate Glass Blade (\$110.00 value) with each saw to provide you with everything you need to get nice, clean, virtually chip free cuts.

#CMK101 - \$1,100.00

Stand: #CMKSTD - \$155.00



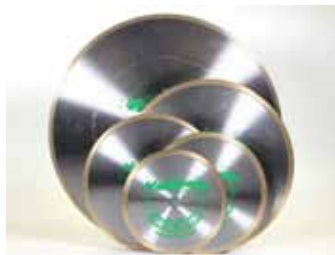
Saws

110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
HCS250 - \$1,495.00	175 lbs.	42" x 48" x 28"	Not Available
CMK101 - \$1,100.00	155 lbs.	42" x 48" x 28"	CMK1012 - \$1,550.00



Covington's dressing blocks reexpose the diamond cutting edges of a saw blade. *It may take several cuts to deglaze the blade.

**80g Aluminum Oxide
Block for Glass Blades**
AODB80- \$12.25



Covington's Ultimate Glass Blade is our best blade for cutting glass. It gives a smooth finish without the fragility of a resin blade.

10" -CUB010- \$110.00
Core 0.085 -- Arbor 5/8" to 1/2"
See page 70 for more sizes

PRO TIP:
A sharp blade will give a smoother cut. By allowing the blade to "erase" the glass, you will also improve your finish. Cutting too fast will increase chips and saw marks. A slow cut is a smooth cut.

Combination Slab Saws

Features

- ✓ Platinum 301 blade
- ✓ 1/2hp motor, ships separately
- ✓ Sawmill type carriage glides on steel ways
- ✓ 4" cross feed adjusts 1/16" per turn for uniform slabbing
- ✓ Light enough to be moved easily
- ✓ Heavy duty enough for everyday use
- ✓ Easily converts between slab saw and trim saw with drop in table
- ✓ Rigid grip vise: steel jaw tongue contacts full length of vise, holding jaw square so it can't bind
- ✓ 220V, 50Hz available for international orders

Covington's 1100 Series Trim and Slab Saws are fully enclosed, welded 16 gauge steel tank. An x-pattern strengthening rib ensures that the tank unit is square and the hood sits properly. The hood is riveted to a steel hinge and fits neatly into the tank. A peek window opens for quick-view access to check slabbing progress.

Weight feed units are available upon request.

All units must ship freight carrier. Shipping dimensions - 42" x 48" x 40" & 220 lbs.

Complete models ship with leg stand!

12" Combo Saw

Covington's 12" Combo Saw features a 12" Platinum 301 Blade and a 5" vise. Order Rockhound Oil with your saw so you can have it up and cutting the same day you receive it!

Table Model: #1132PF - \$2,495.00

Complete with Leg Stand: #1132CS - \$2,595.00

14" Combo Saw

Covington's 14" Combo Saw features a 14" Platinum 301 Blade and a 6" vise. Compare this saw with other 14" units on the market and you'll find it comes out a cut above the rest!

Table Model: #1152PF - \$2,595.00

Complete with Leg Stand: #1152CS - \$2,695.00

16" Combo Saw

Covington's 16" Combo Saw features a 16" Platinum 301 Blade and a 7" vise. This unit is Covington's most popular combination saw size! With the largest vise and cutting capacity, this saw is our best value.

Table Model: #1172PF - \$2,695.00

Complete with Leg Stand: #1172CS - \$2,795.00



Saws

Combo Saw Leg Stand

SLS184 - \$199.00

Covington's 1100 Series Leg Stand is designed specifically for use with our 1100 series saws. Purchase with a complete unit and save!

110V, 60Hz Model	220V, 50Hz Model	110V, 60Hz Complete	220V, 50Hz Complete
1132PF - \$2,495.00	11322P - \$2,545.00	1132CS - \$2,595.00	11322C - \$2,645.00
1152PF - \$2,595.00	11522P - \$2,645.00	1152CS - \$2,695.00	11522C - \$2,745.00
1172PF - \$2,695.00	11722P - \$2,745.00	1172CS - \$2,795.00	11722C - \$2,845.00



Heavy Duty Slab Saws

Features

- ✓ Platinum series blade
- ✓ Powder coated, heavy welded, steel chassis
- ✓ Separately welded frame eliminates warp
- ✓ Six speed power feed with automatic shut off
- ✓ Quick return system allows carriage to be manually returned to any position
- ✓ Heavy duty, neoprene sealed ball bearings, greased for life
- ✓ Completely assembled with vise, motor, and Covington's best diamond blade
- ✓ Over-running clutch automatically adjusts from soft to hard rock
- ✓ Cross feed permits 8" of material to be slabbed without reclamping
- ✓ One piece arbor and flange mounted in housing
- ✓ One piece vise carriage mounted on a solid key stock with channel guide provides rigidity and strength for fast cuts with heavy loads
- ✓ 220V, 50Hz available for international orders

Covington's Slab Saws are heavy duty floor models designed to cut glass and stones. This is an immersion style saw meaning the cutting fluid sits inside the tank and the spinning blade will bring the cutting fluid up and around to the piece. Covington powder coats the saw tank, hood, and chassis for durability and longevity. An x-pattern strengthening rib ensures that the tank unit is square and the hood sits properly. The hood fits neatly inside the tank eliminating leaks. The hood can be propped open with a sturdy, steel prop arm for easy loading and unloading of pieces.

Saw	Vise Size
703HDS	9"
707HDS	10"
712HDS	12"
717HDS	18"
198HDS	18"
199HDS	26"

Saws



Heavy Duty Slab Saws

Covington's Heavy Duty Slab Saws range in size from an 18" blade to a 36" blade. These units are constructed out of heavy duty materials. The steel tank, hood, and frame are powder coated for durability and longevity. Each machine is built with precision and will last you a lifetime!

The 717HDS is our most popular unit and is pictured to the left. This unit features a 24" blade and an 18" vise.

This model is our best value!

Make sure and complete your saw purchase with Rockhound Oil. This low odor mineral oil has a raised flash point and is perfect for cutting medium to hard rocks! See page 50 for Rockhound Oil and recommended quantities for your saw!

110V, 60Hz Model	Motor	Weight & Dimensions	220V, 50Hz Model
703HDS - \$5,295.00	1/2 hp - MTR199	375 lbs. & 42" x 39" x 49"	7032HS - \$5,495.00
707HDS - \$5,595.00	1 hp - MTR321	395 lbs. & 46" x 39" x 49"	7072HS - \$5,795.00
712HDS - \$6,595.00	1 hp - MTR321	675 lbs. & 64" x 42" x 58"	7122HS - \$6,795.00
717HDS - \$7,195.00	1 hp - MTR321	675 lbs. & 64" x 42" x 58"	7172HS - \$7,395.00
*198HDS - \$9,295.00	2 hp - MTR198	775 lbs. & 67" x 44" x 60"	1982HS - \$9,495.00
*199HDS - \$13,200.00	2 hp - MTR107	1,300 lbs. & 90" x 48" x 64"	1992HS - \$13,400.00

*The 198HDS and 199HDS are only available in 220V, 60Hz for standard US Models

Saw Kits & Accessories



1510 Replacement Arbor
CAR14L - \$52.00
 5/8"-18LHT
 1-3/4" Pulley End
 5-1/2" Over All Length
 3" Mounting Hole Spacing
 1/4" Hole Diameter
 1/8" Max. Space between 2" Flanges

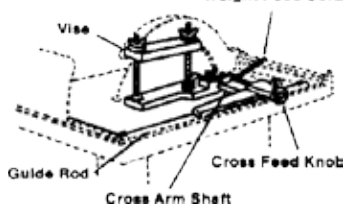


Newly Redesigned!

1100 Replacement Arbor
CAR14R - \$69.00
 5/8"-18RHT
 1-3/4" Pulley End
 5-1/2" Over All Length
 3" Mounting Hole Spacing
 1/4" Hole Diameter
 1/8" Max. Space between 2" Flanges
 6061 Aircraft Aluminum with two separated bearings for stability!



700 Replacement Arbor
CAR15R - \$199.00
 1"-14RHT
 1" x 1-1/2" & 3/4" x 1-1/4" on Pulley End
 11-1/2" Over All Length
 3-1/2" x 3-1/4" Mounting Hole Spacing
 3/8" Hole Diameter
 1/4" Max. Space between 3" Flanges



The Trim Saw Vise and Cross Feed are designed to slab small work samples. The vise jaws hold up to a 3-1/2" rock and grip the work piece without blocks or shims. The cross feed adjusts 3-1/2" before repositioning the stone in the vise. The end of the cross arm shaft has a "no bind" roller bearing and hook which ensures a smooth feed and prevents rocks from "riding up" the blade. This kit comes complete with a vise assembly, cross arm shaft, cross feed, knob, weight feed cord, and scales. This item is perfect for converting a 10" Trim Saw into a weight feed style slab saw unit.

Trim Saw Vise & Crossfeed Kit
TSV159 - \$210.00



This book-end type vise holds work pieces of any shape tightly, but quick-release feature allows an easy, no-bind return. The steel jaw tongue contacts the full length of the vise, holding the jaw square so it can't bind. The end grips have a hardwood facing. A cross shaft is included with each vise.

Rigid Grip Slab Saw Vise

#2	
5"	
SV1132 - \$425.00	6"
SV1152 - \$445.00	7"
SV1172 - \$465.00	9"
SSV703 - \$865.00	10"
SSV707 - \$895.00	12"
SSV712 - \$925.00	18"
SSV717 - \$1,395.00	26"
SSV199 - \$1,895.00	



5/16"-24 Split Clip
CSC110 - \$19.00

This 3" long, spring loaded, split clip is designed for use with both the 1100 series and the 1510 saws.



1/2"-13 Split Plier
CSP700 - \$80.00

Bronze split pliers are designed for use with the #2 Vise & Powerfeed 1/2"-13 threaded rod. The 6-1/4" long bronze plier assembly comes with a spring, pivot stud, lock nut and two (2) each fiber washer and metal wear washer.



Saw Kits & Accessories



1510 Power Feed Replacement CPF150 - \$225.00

1510 power feed replacement kit includes power feed motor, lead screw with over-running clutch, and cut-off switch.



1100 Power Feed Replacement CPF110 - \$245.00

1100 power feed replacement kit includes power feed motor, and lead screw with over-running clutch.



700 Power Feed Replacement CPF700 - \$475.00

700 power feed replacement kit includes lead screw, aluminum bronze gear, over-running clutch, worm shaft assembly and 3-step pulley.



Covington's Trim Saw Hood fits inside the 10" trim saw table edge and sets into place, no drill holes required. The clear Plexiglas™ design makes viewing and trimming easy. Roomy hand holes on each side provide ample room for free cutting movement. This hood reduces splash and minimizes misting. Now available: fully enclosed hood without hand holes.

Plexiglas™ Hoods

Standard Hood for 1510
TSH164 - \$125.00
Hood for Glass Trim Saws
TSH165 - \$105.00
No Holes (For Slabbing)
TSH166 - \$125.00



Slab Saw Dollies are designed for easy movement of saw and are available in 1100 series saws and larger. They come with two locking swivel wheels and two stationary wheels for easy saw manipulation. Order a dolly with your saw and they will ship together in the same crate saving on shipping cost!

Slab Saw Dolly

1100 Series
CSD110 - \$185.00
18" Saw
CSD703 - \$210.00
20" Saw
CSD707 - \$225.00
24" Saw
CSD717 - \$255.00
30" Saw
CSD198 - \$275.00
36" Saw
CSD199 - \$325.00



We now manufacture our own aluminum bronze gears for the 700 series slab saws. These gears have proven to be more durable and longer lasting than our previous gear. Upgrade your saw with confidence!

Bronze Gear

CBG187 - \$125.00



Rockhound Oil is one of the finest coolants on the market. This mineral based oil has no distasteful odor and features excellent cooling properties that extend the life of the blade and saw. Covington recommends this oil for all saws over 10" or for cutting hard stone. A high flashpoint of 230 degrees Fahrenheit ensures safe operation in all conditions.

Rockhound Oil

Quart - RHO016 - \$7.50
Gallon - RHO100 - \$22.00
5 Gallon - RHO500 - \$100.00



Trim Saw Vise TSV695 - \$40.00

The Trim Saw Vise is designed to work on the model #494, #495 & #497. The vise opens up to 1-5/8" and firmly grips rock.

Oil Chart

Saw Size	Amount
6"	1 quart
8"	1/2 gallon
10"	1/2 gallon
12"	6-1/2 gallon
14"	4-1/2 gallon
16"	2-1/2 gallon
18"	5-1/2 gallon
20"	7-1/2 gallon
24"	9-1/2 gallon
30"	22 gallon
36"	23-1/2 gallon
Fluid amounts are approximations.	

CHOOSING AND USING A COVINGTON SPHERE MACHINE

SPHERE MACHINES

Covington's Sphere Machines are heavy-duty units designed for grinding and shaping stone or glass spheres. Available in three sizes, these units will make spheres as small as marbles or as big as approximately 8 inches. The three-headed sphere machine is designed to cut from three sides and allows for slightly larger spheres to be cut than the standard two-headed unit. Both units are built with 1"-8 National Thread and come with a set of Cast Iron, machined cutter cups. These cups are designed for use with silicon carbide grit and water. You can special request 3/4" National Pipe Thread for your units. These are compatible with all of the Diamond Cutter Cups. The Small Sphere Machine makes small, marble-sized spheres. This is a labor intensive unit designed specifically for shaping precious materials such as gemstones or restoring old marbles. For making multiple bead size spheres at a time, see Covington's Bead Mill. The Bead Mill, much like the Small Sphere Machine, makes small marble sized spheres using a weighted milling head and tank. The Bead Mill is only designed for use with hard stones. Stones that are a 5 on the Mohs scale or less will be crushed in this unit. We do not recommend using the Bead Mill for shaping precious materials because of the aggressive nature of the unit.

CHOOSING YOUR SPHERE MACHINE

The first thing to consider before choosing a sphere machine is, "What size spheres do I intend to make?" If you are wanting to make spheres larger than 1" in size then the large sphere machine or three headed sphere machine is the way to go. If you intend on making smaller pieces consider the material. If it is a precious material you might consider the more time consuming Small Sphere Machine. If time is a factor and you need to make several small beads at a time you might consider the faster, more aggressive, Bead Mill.

ACCESSORIES

When considering buying a sphere machine, you also need to consider what accessories are necessary for using the machine. Standard Covington Sphere Machines are designed for use with Cast Iron Cutter Cups and Silicon Carbide Abrasive. We typically recommend purchasing Old Miser binding compound along with your silicon carbide abrasives because it helps the grit stick to the sphere and promotes the grinding process. Silicon Carbide is typically available in coarse, medium, and fine grades and we usually suggest beginning with a 60/90 grade for the initial grinds. From that point you can typically move through a 120/220, 400, and 600 grades to prepare your sphere for polishing. At this point it is important to again consider the type of material you are working with. By consulting the Polishing Chart on page 82, you can decide which polishing compound will work best for your stone or glass. A good, low cost polish to begin with is the Covington Gold Polish #1. This polish is good for approximately 50% of stones. If this does not polish your stone you can move up to a higher grade polish such as Covington Gold Polish #2 or Cerium Oxide. These are inexpensive polishes that will polish most stones. If these are still not polishing your pieces, consult the polishing guide and choose a polish such as Tin Oxide, Chrome Oxide, Linde 'A' Polish, et cetera based on your stone and needs. For the polishing stage, users will typically cover the clean cast iron cutter cups with a leather disc and attach using a wire wrap or some other form of sturdy material. The polish and leather combined with water and the motion of the unit will polish the stone.

It is important to remember that Sphere Machines need to be watched. Should the grit slurry or the polishing compound dry out the motion becomes ineffective and can ruin the piece. Always keep the sphere in a slurry state, it may be handy to keep a small spray bottle close at hand to watch and spray as needed. It is also important to keep fresh grit handy. Use your ears to listen for a cutting or grinding sound between the cups and the sphere (note: you will not hear a cutting sound during the polishing stages). If you do not hear the cutting sound you may need to add more abrasive grit. Keeping a close eye and ear on the machine will result in a faster grind.



Sphere Machines

Features

- ✓ Automatic grit application
- ✓ Powder coated for durability and rust resistance
- ✓ Heavy duty construction
- ✓ 1"-8 Coarse OR 1"-14 Fine
National Pipe Thread Available
- ✓ 220V, 50Hz available for international orders

Three Headed Sphere Machine



Covington's Three-Headed Sphere Machine makes spheres ranging from 2-1/2" to 8" in size. This unit is constructed out of heavy steel and main sections are powder coated for protection and rust resistance. The non-powder coated steel ways are greased with white lithium grease to reduce the chances of rust. Each 1/6 hp, heavy-duty gear motor is independently mounted on a swivel base. The 110V, 60hz model runs at 161rpm and the 220V, 50Hz model runs at 134 rpm. The water supply and grit dispenser sit 36" high and are mounted so the sphere runs constantly with a fresh supply of grit and water. All three heads are spring loaded, work independently from one another, and adjust quickly with large spin handles. Unit comes complete with one (1) grit catch pan, instructions, product guarantee, and choice of one set of three (3) cutter cups.

***Please specify cup size and threads when ordering. Unspecified orders will receive coarse thread and 4-3/8" cups.**

****This unit must ship freight carrier.
#383TSM - \$3,025.00**



Large Sphere Machine



Covington's two headed sphere machines are a tried and true design. The downward slant of the shafts run the sphere in a bath of grit, eliminating the need to constantly add grit on with a brush, and causing the grit slurry to run away from the bearings. Increase the angle of the cutting cups as the rough corners of the sphere grind off. Both heads are spring loaded making continuous adjustment unnecessary. The Large Sphere Machine makes spheres ranging from 1-1/4" to 9" in size. Each head has an individually mounted 1/3 hp motor. This unit features two spring loaded cutting heads and easy angle adjustment. The bearings are protected by powder coated, sheet metal shields. This unit comes complete with two (2) polishing buffs, two (2) grit pans, and choice of one pair (2) of cutter cups.

***Please specify cup size and threads when ordering. Unspecified orders will receive coarse thread and 4-3/8" cups.**

****Unit ships freight, call today for a quote!
#381LSM - \$1,995.00**

Sphere Machines

110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
383TSM - MTR383 - \$3,025.00	255 lbs. / 305 lbs.	43" x 39" x 21"	3832TM - MTR383 - \$3,075.00
381LSM - MTR917 - \$1,995.00	250 lbs. / 300 lbs.	43" x 19" x 43"	3812LM - MTRH81 - \$2,045.00



Sphere Machines

Features

✓ Powder coated for durability and rust resistance

✓ Limited 220V, 50Hz available for international orders

Small Sphere Machine

The Small Sphere Machine makes spheres from 1/4" to 1" in size. Dual 1/21 hp motors drive this precision based unit. This machine features a single spring loaded head making continuous adjustment unnecessary. The downward slant of the shafts run the sphere in a bath of grit, eliminating the need to constantly dab grit on with a brush, and causing the grit slurry to run away from the bearings. Increase the angle of the cutting cups as the rough corners of the sphere grind off. Unit comes complete with one (1) grit pan, and one pair of 1/4", 3/8", 5/8", and 7/8" cutter cups, instructions, and product guarantee. *This unit is perfect for restoring classic marbles to original condition.

#382SSM - \$605.95



Single Speed Bead Mill

The Bead Mill makes beads from 5/16" to 3/4" in diameter. The 4-1/2" diameter x 1/2" aluminum head has a 3/8" recessed ring in the ceiling which provides a trough for the beads to follow. Milling action is achieved by rotating the chamber while the head controls the beads location. The chamber head removes quickly for easy cleaning. This machine is best suited for producing beads from hard materials such as agate, jasper, and jade. *Please note that the Bead Mill is NOT recommended for gemstone material softer than a 5 on the Mohs Scale as this machine is very aggressive. All units ship complete with instructions and product guarantee.

The #1039 Single Speed Bead Mill runs at a set speed of 380rpm and is available in a 220V, 50Hz model. The #1040 Two-Speed Bead Mill operates at 380rpm and 250rpm. The faster speed is best suited for finishing beads after an initial grind. The slower speed reduces the abrasive action and should be used when milling softer materials such as malachite, rhodochrosite, and turquoise. These materials require light head pressure and finer abrasive grit. *Please note that there is NOT a 220V, 50Hz model available in two-speed.

#1039BM - \$800.00

#1040BM - \$975.00



Extra Milling Head

MH1039 - \$45.00

Extra Chamber

BC1039 - \$175.00

Sphere
Machines

110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
382SSM - MTR618 - \$605.95	26 lbs.	23" x 14" x 10"	3822SM - MTR552 - \$615.95
1039BM - MTR534 - \$800.00	75 lbs.	24" x 12" x 16"	1038BM - MTRH81 - \$850.00
1040BM - MTR2SP - \$950.00	75 lbs.	24" x 12" x 16"	Not Available



Accessories



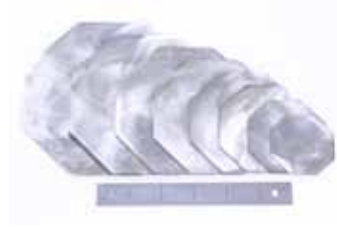
Shaft Adapters for Three Headed Sphere Machine

PTA383 - \$52.50/Set
Specify coarse (1"-8RH) or fine (1"-14RH) thread.



Shaft Replacements for Large Sphere Machine

PTS381 - \$42.50/Pair
Specify coarse (1"-8RH) or fine (1"-14RH) thread.



Marking Templates

SMT001 - \$18.00/Set
Set of 8 templates to pre-mark stones for an easy to follow guide. Comes in 1/2" increments from 2" to 5-1/2".



Covington's Cast Iron Cutter Cups are designed to provide maximum grinding surface contact while allowing for imperfections in the preformed spheres. The soft cast iron material allows the grit to embed itself in the cutter cup, promoting a faster grind. These high quality cups are preferred and used by many lapidary and glass artists. Available in 1"-8 National Coarse thread and in 1"-14 National Fine thread.

**Special order sizes can be made for an extra \$10.00 set up fee. Special order cups are non-returnable.*

Cast Iron Cups

1"
LSM201 - \$24.00/pair
LSM301 - \$36.00/set of 3

1-3/8"
LSM202 - \$28.00/pair
LSM302 - \$42.00/set of 3

2-3/8"
LSM203 - \$34.00/pair
LSM303 - \$51.00/set of 3

3-3/8"
LSM204 - \$46.00/pair
LSM304 - \$69.00/set of 3

4-3/8"
LSM205 - \$56.00/pair
LSM305 - \$84.00/set of 3

Specify coarse (1"-8RH) or fine (1"-14RH) thread.



Small Sphere Machine Cutter Cups

SSMSET - \$22.00/Set of 2 ea.
SSM001 - \$5.50/pair of 1/4"
SSM002 - \$6.00/pair of 3/8"
SSM003 - \$6.50/pair of 5/8"
SSM004 - \$7.00/pair of 7/8"



Angle Cutters

SAC001 - \$35.00/Set
Set of 3 angle cutters for holding cubed rock from 2-1/2" to 6".



The 4" Diamond Cutter Cups grind faster than conventional silicon carbide cutter cups. The Sintered Diamond Cutter Cups, manufactured in house, are aggressive without being harsh and accommodate spheres from 3-3/4" to 6-1/2".

Sintered Diamond Cups

Coarse - Red - 40/50g
DC4405 - \$125.00 ea.
Medium - Green - 100/120g
DC4112 - \$125.00 ea.
Fine - Yellow - 180/200g
DC4182 - \$125.00 ea.



Resin Bonded Diamond Cutter Cups provide better control and grind quickly. These are designed for finishing spheres. All diamond cutter cups come with 3/4"NPT and are not available in 1"-8RH Standard thread.

Resin Diamond Cups

Coarse - Black - 100g
DC4100 - \$60.00 ea.
Medium - Purple - 220g
DC4220 - \$60.00 ea.
Medium/Fine - Brown - 325g
DC4325 - \$60.00 ea.
Fine - Red - 600g
DC4600 - \$60.00 ea.
Extra Fine - Blue - 1,200g
DC4120 - \$60.00 ea.

CHOOSING AND USING A COVINGTON TUMBLER

CHOOSING YOUR COVINGTON TUMBLER

Covington's Tumblers are designed for tumbling small to medium sized stones, gems, glass, jewelry castings, coins, bullet casings, and other small products. The Roll-N-Tumble Gem Tumblers feature solid EVA barrels with two raised ridges to promote the grinding process by causing the media to fold over on itself instead of sliding down the barrel's side. These barrels are available in three sizes: one gallon, one half gallon, and one quart. Machines are available in sizes ranging from single barrel to triple barrel in each barrel size. Additional barrels are available for purchase and the larger units allow for you to mix and match barrel sizes. For instance, a double gallon tumbler will accommodate two gallon barrels, three half-gallon barrels, several quart barrels, or a mixture thereof. Some people like to have a barrel for each step of the grinding process that allows them to inspect their pieces and move them on to the next step without eliminating all of the grit from the first process. Covington's Deluxe Tumbler is unique in that it provides a unique three-way action that promotes the grinding process. Whereas the rolling tumblers only tumble in a single motion, the Deluxe Tumbler is hexagonal in shape and sits at a tilted incline. The barrel's six sides and the incline of the barrel allow for a faster and more effective tumble. This unit does not allow the option of multiple barrels running at once. Instead, the user must inspect each piece carefully and set aside pieces that are ready for the next step and those that must be re-tumbled at the coarser step. If you find that the medium or fine tumbling steps are not removing deep scratches, remove the piece and tumble it again at a coarser step. Once your pieces are ready for a final polish, we recommend using plastic pellets as a cushioning agent during the polishing stage. This media will help reduce the chance of your pieces breaking or fracturing.

USE

When tumbling, fill the barrel approximately two-thirds full of stone. For a one-gallon barrel, use about a cup of grit, and a couple of tablespoons of Old Miser; increase or decrease proportionally according to barrel size. You want your tumbling media to be a slurry. This will appear to be the consistency of a thin hand cream. Keeping your media at this creamy state will ensure maximum grinding. This is merely a suggestion, not a hard and fast rule for tumbling. The best way to ensure you are receiving maximum effect for your tumbling is by keeping record of your tumbling process. Keep record in a journal of the amount of grit you use, what type of grit you used, how much water, how much stone, what kind of stone, et cetera. This will ensure that future tumblings are more effective. The best way to learn tumbling is trial and error. Keeping notes allows you to remember exactly what worked and what didn't and how you can be better prepared for future tumblings.

Tumbling is a fun and easy way to grind and polish gemstones. Always remember to place pieces of equal or similar Mohs Hardness in the tumbler. If you mix stone hardnesses you will find that the hard stones have not tumbled well and the soft stones have been ground down to nothing. A simple test for checking hardness is taking a wood nail and trying to scratch your stone. The iron is a 5 on the Mohs scale and will scratch anything softer than a 5 but it will not leave any mark on a stone harder than a 5.

MAINTENANCE

When placing the barrel lid back on the barrel, make sure that the clamp is tightened around the top where the lid fits into the barrels neck. If the clamp is tightened lower than the lid it can lead to premature wearing of the neck and possible leaking from the lid area. Please note, these barrels are a consumable item and wear out over time. They are not covered under warranty except if they are defective. These barrels tend to blacken over time. There is no way to prevent this from happening. Regularly maintain tumbler by greasing nylon bearings on each side where the shaft rests in the aluminum casting. You can use marine grease or white lithium grease, both should be available at your local hardware supply store. Covington's tumblers are designed and built to last you a lifetime.



Roll-N-Tumble Gem Tumblers

Gallon Barrel Models

Features

TIP:
"Burping" your barrel once daily will release built up pressure and prevent messy blow-outs.

- ✓ Heavy duty, powdercoated cast aluminum construction
- ✓ Solid 1/2" steel support bar
- ✓ Start using your tumbler immediately with the purchase of a grit and polish kit.
- ✓ Runs quietly
- ✓ Solid EVA barrel and cast aluminum lid
- ✓ Limited 220V, 50Hz available for international orders, transformers available for all others.

Covington's Rolling Tumblers feature a solid EVA barrel. Units are powder coated for durability and longevity. The steel support shafts are cushioned by nylon bearings. The barrel rests on the steel supports and lifts off for easy inspection and cleaning. Each one-gallon barrel has a 12 lb. maximum capacity. These units ship complete with a small sample of Covington's signature tumbling ingredient "Old Miser," instructions, and a product guarantee.



Single Gallon Tumbler

Covington's Single Gallon Rolling Tumbler features a 17" cast aluminum and steel chassis, and a stout 1/21 hp motor. This unit ships complete with one barrel.
#251TUM - \$370.00



Double Gallon Tumbler

Covington's Double Gallon Rolling Tumbler features a 24-1/2" aluminum and steel chassis and a 1/6 hp motor. This unit is **not** available in 220V, 50Hz for international customers but can be used with a voltage transformer. The two barrels rest on the steel shafts with the lids facing out towards the bolts and has a 24 lb. maximum capacity. This unit ships complete with two barrels.
#252TUM - \$495.00



Triple Gallon Tumbler

Covington's Triple Gallon Rolling Tumbler features three barrels, a 35" cast aluminum and steel chassis, and a 1/6 hp motor. This unit is **not** available in 220V, 50Hz for overseas customers but can be used with a voltage transformer. The steel support shafts are supported in the middle to ensure that the shafts don't bend from the weight of the barrels. The three barrels rest on the steel shafts with the two outside barrels facing towards the bolts and has a 36 lb. maximum capacity. This unit ships complete with three barrels.
#253TUM - \$595.00

Tumblers

110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
251TUM - MTR618 - \$370.00	20 lbs.	24" x 14" x 10"	2512TM - MTR552 - \$380.00
252TUM - MTR580 - \$495.00	32 lbs.	30" x 14" x 10"	Not Available
253TUM - MTR580 - \$595.00	38 lbs.	40" x 14" x 10"	Not Available



Roll-N-Tumble Gem Tumblers

1/2-Gallon Barrel Models

Features

- ✓ Heavy duty, powdercoated cast aluminum construction
- ✓ Solid 1/2" steel support bar
- ✓ Start using your tumbler immediately with the purchase of a grit and polish kit.
- ✓ Runs quietly
- ✓ Solid EVA barrel and cast aluminum lid
- ✓ Limited 220V, 50Hz available for international orders, transformers available for all others.

Covington's Rolling Tumblers feature a solid EVA barrel. Units are powder coated for durability and longevity. The steel support shafts are cushioned by nylon bearings. The barrel rests on the steel supports and lifts off for easy inspection and cleaning. Each 1/2-gallon barrel has a 6 lb. maximum capacity. These units ship complete with a small sample of Covington's signature tumbling ingredient "Old Miser," instructions, and a product guarantee.

Single 1/2-Gallon Tumbler

Covington's Single 1/2-Gallon Rolling Tumbler features a single barrel, an 11-1/2" cast aluminum and steel chassis, and a 1/21 hp motor. This unit ships complete with one barrel and has a 6 lb. maximum capacity.

#254TUM - \$355.00



Double 1/2-Gallon Tumbler

Covington's Double 1/2-Gallon Rolling Tumbler features a single barrel, a 17" cast aluminum and steel chassis, and a 1/21 hp motor. The two barrels sit on the shafts with the aluminum lids facing outward towards the bolts. This unit ships complete with two barrels and has a 12 lb. maximum capacity.

#255TUM - \$430.00



Triple 1/2-Gallon Tumbler

Covington's Triple 1/2-Gallon Rolling Tumbler features three barrels, a 24-1/2" cast aluminum and steel chassis, and a 1/6 hp motor. This unit is **not** available in 220V, 50Hz for international customers but can be used with a voltage transformer. The three barrels rest on the steel shafts with the two outside barrels facing towards the bolts. This unit ships complete with three barrels and each barrel's 6 lb. capacity allows for a maximum load of 18 lbs.

#256TUM - \$545.00



Tumblers

110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
254TUM - MTR618 - \$355.00	18 lbs.	16" x 12" x 10"	2542TM - MTR552 - \$365.00
255TUM - MTR618 - \$430.00	22 lbs.	24" x 14" x 10"	2552TM - MTR552 - \$440.00
256TUM - MTR580 - \$545.00	32 lbs.	30" x 14" x 10"	Not Available



Roll-N-Tumble Gem Tumblers

Quart Barrel Models

Features

- ✓ Heavy duty, powdercoated cast aluminum construction
- ✓ Solid 1/2" steel support bar
- ✓ Start using your tumbler immediately with the purchase of a grit and polish kit.
- ✓ Runs quietly
- ✓ Solid EVA barrel and cast aluminum lid
- ✓ 220V, 50Hz available for international orders.

Covington's Rolling Tumblers feature a solid EVA barrel. Units are powder coated for durability and longevity. The steel support shafts are cushioned by nylon bearings. The barrel rests on the steel supports and lifts off for easy inspection and cleaning. Each quart barrel has a 3 lb. maximum capacity. These units ship complete with a small sample of Covington's signature tumbling ingredient "Old Miser," instructions, and a product guarantee.



Single Quart Tumbler

Covington's Single Quart Rolling Tumbler features a 9-1/4" cast aluminum and steel chassis, and a stout 1/21 hp motor. This unit ships complete with one barrel.

#257TUM - \$335.00



Double Quart Tumbler

Covington's Double Quart Rolling Tumbler features a 10-1/2" aluminum and steel chassis and a 1/21 hp motor. The two barrels rest on the steel shafts with the lids facing out towards the bolts and has a 6 lb. maximum capacity. This unit ships complete with two barrels.

#258TUM - \$415.00



Triple Quart Tumbler

Covington's Triple Quart Rolling Tumbler features three barrels, a 17" cast aluminum and steel chassis, and a 1/21 hp motor. The three barrels rest on the steel shafts with the two outside barrels facing towards the bolts and each barrel's 3 lb. capacity allows a maximum load of 9 lbs. This unit ships complete with three barrels.

#259TUM - \$475.00

Tumblers

110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
257TUM - MTR618 - \$335.00	15 lbs.	16" x 12" x 10"	2572TM - MTR552 - \$345.00
258TUM - MTR618 - \$415.00	19 lbs.	16" x 12" x 10"	2582TM - MTR552 - \$425.00
259TUM - MTR618 - \$475.00	22 lbs.	24" x 14" x 10"	2592TM - MTR552 - \$485.00

Specialty Tumblers

Features

- ✓ Heavy duty, powdercoated construction
- ✓ Start using your tumbler immediately with the purchase of a grit and polish kit.
- ✓ Runs quietly
- ✓ Solid steel support shaft(s)
- ✓ Hexagonal barrel shape
- ✓ 220V, 50Hz available for international orders

Deluxe Tumbler

The Covington Deluxe Tumbler features a unique 3-way tumbling action that quickly tumbles material. The chassis is constructed of powder coated cast aluminum and the barrel is polyvinyl. Although the barrel capacity is 9 pounds water weight, this unit can easily accommodate up to twenty pounds of steel shot for burnishing jewelry. A Covington exclusive, the hexagonal barrel aids in abrasion by: 1.) Tumbling in the bottom corner of the barrel with criss-cross and side-to-side action, 2.) Forcing the pieces to change position six times per revolution, and 3.) Moving a portion of the pieces gently up and down while rotating. The slanted barrel allows easy access for checking progress and a hand can easily fit inside the barrel's mouth. This unit is ideal for tumbling gold and silver castings, glass, and gemstones. The tumbler comes complete with a 1/21 hp motor, barrel, a sample of Old Miser, instructions and product guarantee.

#250TUM - \$475.00



40 lb. Production Tumbler

The 40-lb. Production Tumbler is a commercial-sized unit designed for extended heavy use. A 1/3 hp motor drives the unit at approximately 19 barrel rotations per minute. The tumbler barrel turns on dual-driven, rubber covered roller shafts in an enclosed, powder coated frame which prevents it from falling off the support rods. The hexagonal barrel shape ensures an effective tumbling motion; this shape allows the media to change positions as it rotates and prevents the media from sliding down the side of the barrel. This unit ships complete with a barrel, a sample of Old Miser, instructions, and product guarantee. ***Please note that the barrel ships in a separate box.**

#268TUM - \$925.00



Tumblers

110V, 60Hz Model	Weight	Dimensions	220V, 50Hz Model
250TUM - MTR618 - \$475.00	20 lbs.	24" x 14" x 10"	2502TM - MTR552 - \$485.00
268TUM - MTR534 - \$925.00	57 lbs. / 27 lbs.	25" x 25" x 16" & 16" x 16" x 16"	2682TM - MTRH81 - \$975.00



Beginners Tumblers

Features

✓Excellent choice for beginners

✓Durable

✓Affordable

Lortone

Lortone's small tumblers are a great choice for those just getting started or for tumbling small items. Units are designed for years of trouble-free service and is U.L. listed for safety. Each tumbler has a molded rubber barrel with sure-seal closure.

#LOR3AT - \$98.00

#LOR33B - \$144.50



Order #	Item	Weight/Dimensions
LOR3AT - \$98.00	3A	5 lbs. / 7" x 17" x 5"
LOR33B - \$144.50	33B	7 lbs. / 10" x 17" x 8"



3A Drive Belt

LOR3AV - \$2.00

33B Drive Belt

LOR3BV - \$2.25



Extra Barrel

3 lb.

TRBL3A - \$39.00

Raytech

The Raytech TV-5 tumbler is an excellent vibrating tumbler. The motion of the tumbler speeds up the tumbling process which can cut tumbling time down. This unit is ideal for tumbling small castings or stones. It holds up to 4 pounds of material or 25 ring castings with media. This unit features an 8" diameter bowl with lid.

#CTV500 - \$115.00



Order #	Item	Weight/Dimensions
CTV500 - \$115.00	Tumbler	10 lbs. / 12" x 12" x 15"
TRBL3A - \$27.00	Bowl	4 lbs. / 8" x 8" x 6"

Tumbler Supplies

Replacement Supplies



Rolling Tumbler Driven Pulley

3" x 1/2" Pulley
PUL300 - **\$9.00**
(All Models #251-259)



Deluxe Tumbler Driven Pulley

3-1/2" x 3/8" Pulley
PUL350 - **\$9.50**
(For 250TUM)



1/21 hp Motor Pulley

7/8" x 1/4" Pulley
PUL459 - **\$6.75**
(For 250, 251, 254, 255, 257, 258, & 259)



1/6 hp Motor Pulley

1" x 3/8" Pulley
PUL098 - **\$6.00**
(For 252, 253, & 256)



Deluxe 250 Wear Washer

FWW734 - **\$0.35**
(For 250TUM)



Rolling Tumbler Wear Washer

FWW912 - **\$0.35**
(All Models #251-259)



Rolling Tumbler Nylon Bearing

DNB012 - **\$1.50**
(All Models #251-259)



Deluxe 250 Nylon Bearing

DNB038 - **\$1.50**
(For 250TUM)



18'' V-Belt

1/21 hp Rolling Tumbler V-Belt
MVB180 - **\$7.00**
(For 251, 254, 255, 257, 258, & 259)

22'' V-Belt

1/6 hp Tumbler V-Belt
MVB220 - **\$8.75**
(For 252, 253, & 256)

20'' V-Belt

Deluxe 250 Tumbler V-Belt
MVB200 - **\$7.00**
(For 250TUM)

Tumblers



Tumbler Supplies

Rolling Barrels

✓ Clamping the ring around the top of the barrel neck (so it sits around the aluminum lid) will increase the life of the barrel's neck section.

✓ Rolling tumbler barrels will blacken over time. This does not reduce the efficacy of the barrel.



Single Gallon Barrel

12 lb. Capacity
6" x 11-1/2"
BAR251 - \$85.00



1/2 Gallon Barrel

6 lb. Capacity
6" x 7-1/4"
BAR254 - \$75.00



Quart Barrel

3 lb. Capacity
6" x 4"
BAR257 - \$65.00

Specialty Barrels



Deluxe Barrel

9 lb. Capacity
For Use with 250TUM
BAR250 - \$165.00



40 lb. Production Barrel

40 lb. Capacity
BAR268 - \$420.00



Production Barrel Liner

TBL268 - \$230.00
Head Gasket
BHG268 - \$32.00

Tumbler Repair Kits

✓ V-belt, fiber wear washers, and nylon bearings
✓ Pulley NOT included

✓ Perfect for repairing a used rolling tumbler unit



Deluxe Tumbler Repair Kit

20" V-Belt
TRK250 - \$12.50



1/21 hp Tumbler Repair Kit

18" V-Belt
TRK121 - \$13.50
For 251, 254, 255, 257, 258, & 259TUM



1/6 hp Tumbler Repair Kit
















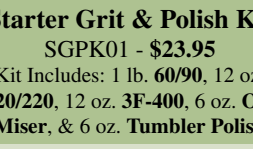


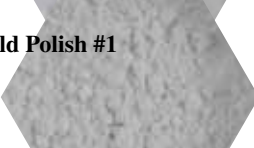
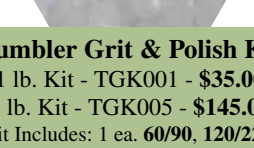

22" V-Belt
TRK116 - \$13.50
For 252, 253, & 256TUM

Starter Kits

I'M NEW TO TUMBLING... WHERE SHOULD I BEGIN?

Covington sells a variety of tumbler kits for a range of tumbling needs. Covington recommends these kits to novice and veteran tumblers as they contain almost everything needed to do a complete tumbling cycle in your unit. Each kit is slightly different but the essentials are the same. They all include three grinding compounds and a minimum of one polishing compound. Some kits include plastic pellets for use with the polishing compound to cushion and reduce the likelihood of fractures when polishing in a tumbler.

SO WHY SHOULD I BUY A STARTER KIT? Starter Kits run at a slightly discounted rate by comparison to purchasing each item individually. They also include tried and true compounds that are likely to result in a beautiful finished piece.

		
60/90	60/90	60/90
		
120/220	120/220	120/220
		
3F-400	3F-400	3F-400
		
Old Miser	Old Miser	Old Miser
		
Tumbler Polish	Tumbler Polish	Gold Polish #1
		
Starter Grit & Polish Kit SGPK01 - \$23.95 Kit Includes: 1 lb. 60/90, 12 oz. 120/220, 12 oz. 3F-400, 6 oz. Old Miser, & 6 oz. Tumbler Polish		
Grit & Polish Kits 1 lb. Kit -TGP001 - \$29.25 5 lb. Kit -JGK005 - \$126.50 Kit Includes: 1 ea. 60/90, 120/220, 3F-400, Old Miser, & Tumbler Polish (1 lb. Kit comes with 12 oz. Old Miser)	Gold Polish #1	Tumbler Grit & Polish Kit 1 lb. Kit - TGK001 - \$35.00 5 lb. Kit - TGK005 - \$145.00 Kit Includes: 1 ea. 60/90, 120/220, 3F-400, 12 oz. Old Miser, Gold Polish #1, & Plastic Pellets
		
	Deluxe Tumbler Grit & Polish Kit 1 lb. Kit - DTGP01 - \$42.50 Kit Includes: 1 ea. 60/90, 120/220, 3F-400, 12 oz. Old Miser, Tumbler Polish, Gold Polish #1 & Plastic Pellets	



Adhesives & Solvents



Epoxy 330 is a fast setting water clear adhesive that bonds gemstones to metal findings and provides an invisible bond for glass, china, ceramics, stone, metals, and other non-porous materials.

Water Clear Epoxy
WCE220 - \$5.00



Epoxy 220 is a slow setting amber clear adhesive that bonds gemstones to metal findings. It has ultimate tensile strength and resists thermal shock. It is also used in electronic and mechanical industries for superior bonding of non-porous components.

Amber Clear Epoxy
ACE220 - \$5.00



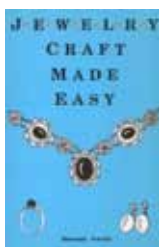
Seals and cements fractures. Gives structural strength to soft porous stone and aids in the filling of pits. Sealer is amber clear.

Opticon Fracture Sealer
OFS224 - \$24.00



Covington's uses Feathering Disc Adhesive for all "Stick-N-Peel" applications. It is used to attach sanding and buffing discs to a backing plate. This adhesive is easy to apply, and available in 5-ounce tubes.

Feathering Disc Adhesive
"Stick-N-Peel" Adhesive
FDA041 - \$25.00



Jewelry Craft Made Easy
CJBICE - ~~\$5.95~~ \$5.35

French. For the hobbyist who prefers purchasing already finished gemstones, mountings, and findings for assembling beautiful jewelry.



Attack dissolves cured epoxy and polyester resins. It is used to separate misaligned bonded materials and for the cleanup of cured resin from metal, stone, glass, wood, and similar materials.

Attack
8 oz. -ATK008 - \$14.00
64 oz. -ATK064 - \$49.00

PRO TIP:
Feathering Disc Adhesive is the perfect accompaniment to polishing discs and aluminum heads.
See pages 75 & 76

Belts



Covington's sand belt starter kits are a great and economical choice! They are an excellent choice for both beginners and professionals. This 10 pack ensures you are ready to start sanding right away and will help you learn which belts work best for your application.

Sand Belt Kits
2-1/2" x 6" SBK218- \$14.50
3" x 24" SBK324- \$18.00
3" x 8" SBK325- \$20.25
3" x 41-1/2" SBK341- \$31.50
Each kit includes 10 belts (1 each - 60g, 80g, 220g, 320g, 400g, 600g, 800g, 1,000g, and 2 -100g) ** To receive this special price, belts may not be exchanged for other grits.



Cork belts are great for pre-polishing glass. Cork combined with a fine pumice produces a hazy finish. Embed the cork with the pumice by creating a pumice and water solution on the thick side and painting it on the cork face. Follow with a felt and cerium combination to get an optically clear polish on your glass.

Cork Polishing Belts
2-1/2" x 6" CPB218- \$6.00
3" x 24" CPB324- \$7.50
3" x 8" CPB325- \$11.00
3" x 41-1/2" CPB341- \$18.00



Our silicon carbide belts are higher quality and longer lasting than other brands on the market. Available in **60, 80, 100, 220, 320, 400, 600, 800, and 1,000** grits. *Mix grit size to receive bulk discount.

Silicon Carbide Sand Belts
2-1/2" x 6" - WBL18G 1-9 pieces - \$1.80 10-49 pieces - \$1.60 50+ pieces - \$1.35 For 6" expandable drums
3" x 24" - WBL24G 1-9 pieces - \$2.25 10-49 pieces - \$2.00 50+ pieces - \$1.80 For sander model #'s 464 & 466
3" x 8" - WBL25G 1-9 pieces - \$2.50 10-49 pieces - \$2.25 50+ pieces - \$2.00 For 8" expandable drums & sander model #460.
3" x 41-1/2" - WBL41G 1-9 pieces - \$4.00 10-49 pieces - \$3.50 50+ pieces - \$3.00 For sander model #'s 760, 761, 762, & 764.
4" x 106" - WBL106 1-9 pieces - \$11.20 10-49 pieces - \$9.00 50+ pieces - \$7.25



Our felt belts are designed for polishing glass to an optical clear when used with cerium. These belts are woolen felt and will shrink so we always recommend making your polishing cycle the very last of the day so the belt can dry on the unit or wheel.

Felt Polishing Belts
2-1/2" x 6" - FPB218- \$24.00
3" x 24" - FPB324- \$29.50
3" x 8" - FPB325- \$31.50
3" x 41-1/2" - FPB341- \$42.00



Covington's diamond resin belts are high quality accessories for any sanding need. These belts are impregnated with diamond grit and are a great choice for pre polishing stones and glass. Covington stocks 100g (black), 220g (purple), 325g (brown), 600g (red), 800g (green), and 1,200g (blue). 60g, 80g, 120g, 400g, 3,000g, 8,000g, 14,000g and 50,000g are also available but may have a 1 to 2 week lead time as they are special orders. All grits are available in all sizes.

Diamond Polishing Belts
2-1/2" x 6" - \$50.00 100g (black) -DSB210 220g (purple) -DSB220 325g (brown) -DSB232 600g (red) -DSB260 800g (green) -DSB280 1,200g (blue) -DSB212
3" x 24" - \$75.00 100g (black) -DSB310 220g (purple) -DSB320 325g (brown) -DSB332 600g (red) -DSB360 800g (green) -DSB380 1,200g (blue) -DSB312
3" x 8" - \$80.00 100g (black) -DSB810 220g (purple) -DSB820 325g (brown) -DSB832 600g (red) -DSB860 800g (green) -DSB880 1,200g (blue) -DSB812
3" x 41-1/2" - \$130.00 100g (black) -DSB410 220g (purple) -DSB420 325g (brown) -DSB432 600g (red) -DSB460 800g (green) -DSB480 1,200g (blue) -DSB412



3" x 15' Bulk Roll WSCR15- \$13.25 100g, 220g, 400g, 600g, & 800g *Only stocked in 5 grits, any others are a special order and require an additional lead time.
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CHOOSING AND USING A BLADE & KOOLERANT BLADES

Blades & Koolerants

Covington offers a variety of blades for every lapidary and glass cutting need.

LAPIDARY BLADES: When it comes to choosing a blade to use for cutting rocks and minerals, there are a few options available. Covington's **Gold Blade** is an affordable option for those looking for a decent cut with a lower price tag. These blades have a higher concentration of diamond embedded into the metal which gives a better cut. **Platinum 303** blades are the next step up in price and they produce a smoother cut with minimal wasted material from the cut. These blades last longer and cut faster than ordinary notched rim or plated diamond blades. **Platinum 301** blades are made with an even higher concentration of diamond and a higher carbon content steel core for improved tension memory.

The solid diamond sintered kerf provides better cutting performance and improved coolant flow. These are ideal for cutting harder stones such as agates, jade, and petrified wood.

GLASS BLADES: Glass blades are generally chosen based on how much material is going to be lost to the blade. If you are looking for a blade to cut a wide variety of things, look no further than Covington's **Ultimate Glass** blade. Our latest model of glass blade, it is designed to trim glass, slice through bottles, millefiori chips, and more while minimizing chipping. This blade cuts with the quality of a **Platinum Resin** blade without the risk of the resin blade's fragility. If material loss is an issue, Covington's **Edge** blades provide an excellent solution for cutting precious stones and glass. This blade features a nickel electroplated rim and a strong spring steel core.

PRO TIP:

For optimal cutting, dress your blade every 4 to 5 cuts. Dressing sticks will extend the life of your blade. The blade shown in the picture is a dressed blade. The black spots are diamonds and the gold spots are holes. You want to reexpose as much diamond as possible for best cutting performance. Inspecting your blade periodically with a loupe will allow you to see if your blade needs dressing.

Aluminum Oxide dressing blocks should be used with glass blades. Silicon carbide blocks are designed for lapidary blades. The 220g Aluminum Oxide Stick is designed specifically for use with the resin blades.



KOOLERANT

We are asked regularly what kind of koolerant is best for your cutting application.

Like many of our supplies, the answer depends on what you are cutting.

WATER: Water is best for cutting glass and softer precious or porous materials. Water does not have good cooling properties when it comes to cutting hard stones. Note: water will rust steel tanks and blades quickly. We advise that you empty your saw of any water when not in use and spraying any bare metal parts with WD-40 after every use to prevent rust from setting in.

ROCKHOUND OIL: Rockhound oil is our most popular coolant. This food grade mineral oil has two additives: one removes the smell and the other raises the flashpoint. Rockhound oil is excellent for general purpose cutting but is especially good for cutting harder stones. Rockhound oil is a great choice because there is virtually no smell and it has excellent cooling properties.

KOOLERANT #1 is a water soluble oil that is designed for cutting stones that are a 6 on the Mohs scale or softer. This koolerant is mixed with water in the saw to provide better cooling on blade contact than straight water will.

KOOLERANT #2 is a heavy oil designed for large pieces of very hard or dense rock. This oil based coolant is designed as an additive to a lighter weight oil. Koolerant #2 can raise the flashpoint of some oils to a safer level for cutting.

KOOLERANT #3 is a synthetic additive designed for use with water. This coolant is biodegradable and free of phenols, nitrates, sulfur, chlorine, phosphates, nitrosamines, and oil. This coolant contains rust-inhibitors.

Blade RPM Chart	
Blade Diameter	RPM
6"	1910-2870
8"	1430-2150
10"	1150-1720
12"	960-1430
14"	820-1230
16"	720-1070
18"	640-960
20"	570-860
24"	480-720
30"	380-570
When cutting slabs, run the blade between 3,000 and 4,500 surface feet per minute. Use the chart to view acceptable speeds in relation to blade size.	

MOHS SCALE

Diamond	10	Smaragdite	6-1/2	Sphene	5-5-1/2
Ruby	9	Sillimanite	6-7-1/2	Thomasonite	5-5-1/2
Sapphire	9	Cassiterite	6-7	Apatite	5
Alexandrite	8-1/2	Epidote	6-7	Augelite	5
Chrysoberyl	8-1/2	Hiddenite	6-7	Diopase	5
Rhodozite	8	Kunzite	6-7	Glass	5
Spinel	8	Amazonite	6-6-1/2	Hemimorphite	5
Taaffeite	8	Aventurine	6-6-1/2	Smithsonite	5
Topaz	8	Feldspar	6-6-1/2	Wardite	5
Yag	8	Benitoite	6-6-1/2	Kyuanite	4-1/2-7
Aquamarine	7-1/2-8	Ekanite	6-6-1/2	Apophyllite	4-1/2-5
Beryl	7-1/2-8	Labradorite	6-6-1/2	Scheelite	4-1/2-5
Emerald	7-1/2-8	Moonstone	6-6-1/2	Zincite	4-1/2-5
Gahnite	7-1/2-8	Nephrite	6-6-1/2	Colemanite	4-1/2
Painite	7-1/2-8	Orthoclase	6-6-1/2	Kurnakovite	4-1/2
Phenacite	7-1/2-8	Petalite	6-6-1/2	Purpurite	4-1/2
Almandine	7-1/2	Prehnite	6-6-1/2	Variscite	4-5
Andalusite	7-1/2	Pyrite	6-6-1/2	Fluorite	4-4-1/2
Euclase	7-1/2	Rutile	6-6-1/2	Barytocalcite	4
Hambergite	7-1/2	Strontium	6-6-1/2	Magnesite	4
Uvarovite	7-1/2	Titanate	6-6-1/2	Rhodochrosite	4
Andradite	7-7-1/2	Amblygonite	6	Dolomite	3-1/2-4-1/2
Cordierite	7-7-1/2	Bytownite	6	Chalybite	3-1/2-4-1/2
Danburite	7-7-1/2	Sanidine	6	Aragonite	3-1/2-4
Garnet	7-7-1/2	Thulite	6	Azurite	3-1/2-4
Iolite	7-7-1/2	Tugtupite	6	Cuprite	3-1/2-4
Rhodolite	7-7-1/2	Hematite	5-1/2-6-1/2	Chalcopryrite	3-1/2-4
Staurolite	7-7-1/2	Opal	5-1/2-6-1/2	Malachite	3-1/2-4
Tourmaline	7-7-1/2	Rhodonite	5-1/2-6-1/2	Sphalerite	3-1/2-4
Amethyst	7	Tremolite	5-1/2-6-1/2	Cerussite	3-1/2
Citrine	7	Actinolite	5-1/2-6	Howlite	3-1/2
Dumortierite	7	Anatase	5-1/2-6	Witherite	3-1/2
Prasiolite	7	Beryllonite	5-1/2-6	Coral	3-4
Rock-Crystal	7	Elaeolite	5-1/2-6	Pearl	3-4
Smoky-Quartz	7	Hauynite	5-1/2-6	Anhydrite	3-3-1/2
Rose-Quartz	7	Periclase	5-1/2-6	Celestine	3-3-1/2
Tigers-Eye	7	Psilomelane	5-1/2-6	Barite	3
Zircon	6-1/2-7-1/2	Sodalite	5-1/2-6	Calcite	3
Agate	6-1/2-7	Brazilianite	5-1/2	Wulfenite	3
Axinite	6-1/2-7	Chromite	5-1/2	Jet	2-1/2-4
Chalcedony	6-1/2-7	Enstatite	5-1/2	Crocoite	2-1/2-3
Chloromelanite	6-1/2-7	Leucite	5-1/2	Garnierite	2-1/2-3
Chrysoprase	6-1/2-7	Moldavite	5-1/2	Phosgenite	2-1/2-3
Demantoid	6-1/2-7	Natrolite	5-1/2	Gaylussite	2-1/2
Fossilized-Wood	6-1/2-7	Willemite	5-1/2	Proustite	2-1/2
Heliotrope	6-1/2-7	Scapolite	5-6-1/2	Pseudophite	2-1/2
Jadeite	6-1/2-7	Cancrinite	5-6	Serpentine	2-1/2
Jasper	6-1/2-7	Diopside	5-6	Chrysocola	2-5-1/2
Kornerupine	6-1/2-7	Hypersthene	5-6	Ivory	2-4
Peridot	6-1/2-7	Limenite	5-6	Amber	2-3
Sard	6-1/2-7	Lapis Lazuli	5-6	Meerscham	2-2-1/2
Tanzanite	6-1/2-7	Lazulite	5-6	Alabaster	2-2-1/2
Zoisite	6-1/2-7	Tantalite	5-6	Ulexite	2
Idocrase	6-1/2	Turquoise	5-6	Vivianite	1-1/2-3
Saussurite	6-1/2	Datolite	5-5-1/2	Stichtite	1-1/2-2-1/2
Sinhalite	6-1/2	Obisidian	5-5-1/2	Sulphur	1-1/2-2

Blades &
Koolerants



Lapidary Blades

Blades & Coolants



Covington's Gold Series Diamond Blades are excellent quality, commercial grade blades, designed for lapidary work. More diamonds in the notched rim and a stiffer core make this blade cut faster and maintain a longer use life. While this blade was designed for use on hard materials like agates, geodes, and petrified wood, it will cut soft materials such as glass superbly. The Gold Series blades are a great low cost choice. *Please specify arbor size when ordering, 1/2", 5/8", 3/4", or 1".

**Covington's 6" through 10" saws come standard with our gold series blades. These blades are the most economical choice for a wide range of lapidary cutting needs.

Gold Series Blades

6" -CGB006 - \$18.00

Rim 0.044 -- Arbor 5/8" to 1/2"

8" -CGB008 - \$22.50

Rim 0.044 -- 5/8" - 1/2" Arbor

10" -CGB010 - \$38.00

Rim 0.052 -- Arbor 5/8" to 1/2"

12" -CGB012 - \$55.00

Rim 0.070 -- Arbor 1" to 5/8"

14" -CGB014 - \$88.00

Rim 0.075 -- Arbor 1" to 5/8"

16" -CGB016 - \$132.00

Rim 0.094 -- Arbor 1" to 5/8"

18" -CGB018 - \$165.00

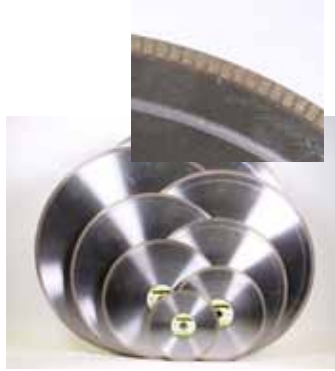
Rim 0.094 -- Arbor 1" to 3/4"



This less aggressive dressing stick is ideal for dressing resin bonded blades.

**220g Aluminum Oxide
Stick for Resin Blades**

AOD220- \$8.25



Covington's Platinum Series 301 Lapidary Blades are made with a higher diamond concentration and a higher carbon content steel core for improved tension memory. The solid diamond sintered kerf provides better cutting performance and improved coolant flow. Covington's Platinum 301 is an excellent choice for cutting hard materials such as agate, petrified wood, or jade. *Please specify arbor size when ordering.

**Covington's 12" through 20" saw sizes come standard with our Platinum 301 blade. It is truly the best lapidary blade on the market.

Platinum 301 Blades

6" -CP3106 - \$62.00

Core 0.025 -- Arbor 5/8" to 1/2"

8" -CP3108 - \$85.00

Core 0.040 -- Arbor 5/8" to 1/2"

10" -CP3110 - \$100.00

Core 0.040 -- Arbor 5/8" to 1/2"

12" -CP3112 - \$155.00

Core 0.065 -- Arbor 1" to 5/8"

14" -CP3114 - \$235.00

Core 0.065 -- Arbor 1" to 5/8"

16" -CP3116 - \$300.00

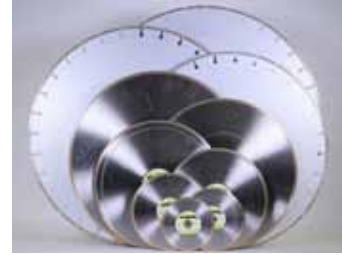
Core 0.065 -- Arbor 1" to 5/8"

18" -CP3118 - \$360.00

Core 0.085 -- Arbor 1" to 3/4"

20" -CP3120 - \$400.00

Core 0.085 -- Arbor 1" to 3/4"



Covington's Professional Grade 303 Platinum Series Blades, designed for lapidary materials, produces smooth cuts and is perfect for rare or valuable materials where minimum waste and a fast cut is essential. These blades last longer and cut faster than ordinary notched-rim or plated-diamond blades. *Please specify arbor size when ordering.

**Covington's 24" through 36" saws come standard with the Platinum 303 blade installed.

Platinum 303 Blades

4" -CP3304 - \$42.00

Core 0.020 -- Arbor 5/8" to 1/2"

6" -CP3306 - \$51.50

Core 0.032 -- Arbor 5/8" to 1/2"

8" -CP3308 - \$60.00

Core 0.025 -- Arbor 5/8" to 1/2"

10" -CP3310 - \$68.00

Core 0.032 -- Arbor 5/8" to 1/2"

12" -CP3312 - \$175.00

Core 0.065 -- Arbor 1" to 5/8"

14" -CP3314 - \$195.00

Core 0.065 -- Arbor 1" to 5/8"

***16" -CP3316 - \$260.00**

Core 0.085 -- Arbor 1" to 5/8"

***18" -CP3318 - \$310.00**

Core 0.085 -- Arbor 1" to 3/4"

***20" -CP3320 - \$400.00**

Core 0.100 -- Arbor 1" to 3/4"

***24" -CP3324 - \$690.00**

Core 0.100 -- Arbor 1" to 3/4"

***30" -CP3330 - \$995.00**

Core 0.125 -- Arbor 1" only

***36" -CP3336 - \$1,500.00**

Core 0.200 -- Arbor 1" only

* Indicates a segmented rim blade.

PRO TIP:

For best cutting results, dress your blade frequently.

Blades & Koolerants



Covington's Thin Rim Blades are high quality fast cutting blades designed for high-yield cutting of glass and precious materials. The price makes them quite affordable for any general-purpose use. Comes with 5/8" arbor. *Please ask for a 1/2" bushing if needed.

Thin Rim Blades

4" x 0.006 -PMB406 - \$5.00

Rim 0.009 -- Arbor 5/8" to 1/2"

4" x 0.010 -PMB410 - \$5.00

Rim 0.013 -- Arbor 5/8" to 1/2"

5" x 0.006 -PMB506 - \$6.00

Rim 0.009 -- Arbor 5/8" to 1/2"

5" x 0.010 -PMB510 - \$6.00

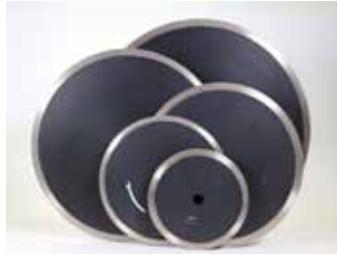
Rim 0.015 -- Arbor 5/8" to 1/2"

6" x 0.006 -PMB606 - \$7.00

Rim 0.009 -- Arbor 5/8" to 1/2"

6" x 0.010 -PMB610 - \$7.00

Rim 0.012 -- Arbor 5/8" to 1/2"



Sintered Diamond Blades are a longer lasting blade compared to the notched rim. These blades are manufactured by embedding diamond grit directly into the metal matrix that forms the edge of the saw blade. Sintered blades are a better value than other blades because of their long life.

Black Thick Rim Blades

6" -CBS006 - \$44.00

Rim 0.044 -- Arbor 5/8" to 1/2"

8" -CBS008 - \$60.00

Rim 0.044 -- Arbor 5/8" to 1/2"

10" -CBS010 - \$70.00

Rim 0.052 -- Arbor 5/8" to 1/2"

12" -CBS012 - \$90.00

Rim 0.070 -- Arbor 1" to 5/8"

14" -CBS014 - \$110.00

Rim 0.070 -- Arbor 1" to 5/8"

Best for agates and geodes.



Red Sintered Diamond Blades are a great choice if you are trying to conserve material. These blades are manufactured by embedding diamond grit directly into the metal matrix that forms the edge of the saw blade. Sintered blades are a better value than other blades because of their long life.

Red Thin Rim Blades

4" -CRS004 - \$24.00

Rim 0.023 -- Arbor 5/8" to 1/2"

5" -CRS005 - \$30.00

Rim 0.015 -- Arbor 5/8" to 1/2"

6" -CRS006 - \$40.00

Rim 0.020 -- Arbor 5/8" to 1/2"

8" -CRS008 - \$70.00

Rim 0.031 -- Arbor 5/8" to 1/2"

10" -CRS010 - \$84.00

Rim 0.038 -- Arbor 5/8" to 1/2"

12" -CRS012 - \$116.00

Rim 0.042 -- Arbor 5/8" to 1/2"

14" -CRS014 - \$156.00

Rim 0.045 -- Arbor 5/8" to 1/2"

Best for general stone cutting.



This general purpose Koolerant is designed for use when cutting any size rock up to a 6 on the Mohs hardness scale or that responds to a low/medium heat factor at blade contact. This clean-to-use Koolerant is non-flammable. Add 9 parts of water to each part of Covington's concentrated diamond blade Koolerant #1. Mix well before pouring into the saw.

#1 Koolerant

Quart -CK1016- **\$7.50**

Gallon -CK1100- **\$22.00**

5 Gallon -CK1500- **\$100.00**



Covington's #2 Koolerant is designed for cutting large pieces of hard or dense rock. This Koolerant is an excellent choice for cutting any size rock that requires a high heat factor at blade contact because of the raised flashpoint. Add 9 parts of light form oil (Rock Hound Oil, mineral oil, etc.) to each part of Covington's concentrated diamond blade Koolerant #2. Mix well before pouring into the saw.

#2 Koolerant

Quart -CK2016- **\$7.50**

Gallon -CK2100- **\$22.00**

5 Gallon -CK2500- **\$100.00**



Koolerant #3 - Kool Lube is a brand new 100% synthetic, biodegradable koolerant free of phenols, nitrates, sulfur, chlorine, phosphates, nitrosamines, and oil. Mix Koolerant #3 with water; Koolerant contains rust inhibitors.

#3 Koolerant

Quart -CK3016- **\$15.00**

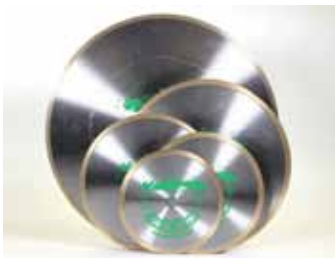
Gallon -CK3100- **\$50.00**

5 Gallon -CK3500- **\$240.00**



Blades & Koolerants

Blades & Koolerants



Covington's Ultimate Glass Blade is our latest model of glass blade. Designed specially for cutting glass, this blade will trim glass, slice through bottles, millefiori chips, and more with minimal chipping. *Please ask for a 1/2" bushing if needed.

Ultimate Glass Blade

6" -CUB006- \$79.00
Core 0.060 -- Arbor 5/8" to 1/2"
7" -CUB007- \$89.00
Core 0.065 -- Arbor 5/8" to 1/2"
8" -CUB008- \$99.00
Core 0.065 -- Arbor 5/8" to 1/2"
10" -CUB010- \$110.00
Core 0.085 -- Arbor 5/8" to 1/2"
14" -CUB014- \$169.00
Core 0.095 -- Arbor 1" to 5/8"



Rockhound Oil is one of the finest coolants on the market. This mineral based oil has no distasteful odor and features excellent cooling properties that extend the life of the blade and saw. Covington recommends this oil for all saws over 10" or for cutting hard stone. A high flashpoint of 230 degrees Fahrenheit ensures safe operation in all conditions.

Rockhound Oil

Quart -RHO016- \$7.50
Gallon -RHO100- \$22.00
5 Gallon -RHO500- \$100.00



Covington's Platinum Series Resin Bonded Diamond Blade is an excellent choice for cutting pyrex, glass, ceramic, and other materials where heat generation must be kept at a minimum. These 1/4" depth super-heavy diamond concentration blades give a smooth, cleaner cut than most plated blades can. These blades are commonly used by glass artists worldwide and are exceptional for cutting glass tube, bar, and rods. **WARNING: THESE BLADES ARE EXTREMELY FRAGILE.** *Please specify arbor size when ordering 1/2", 5/8", or 3/4".

Platinum 5000 Resin Blade

7" -CP5007 - \$154.00
Core 0.040 -- Arbor 5/8" to 1/2"
10" -CP5010 - \$195.00
Core 0.062 -- Arbor 5/8" to 1/2"
12" -CP5012 - \$240.00
Core 0.062 -- Arbor 5/8" to 1/2"
14" -CP5014 - \$310.00
Core 0.072 -- Arbor 3/4" to 1/2"



Covington's dressing blocks will scour away glaze coating and expose the diamond cutting edges of a saw blade restoring cutting action. *Please note: it may take several cuts to deglaze the blade.

220g Silicon Carbide Block for Lapidary Blades

SCB522- \$12.25

80g Aluminum Oxide Block for Glass Blades

AODB80- \$12.25



Covington's all new "Edge" blade is the perfect choice for those who need to conserve material when cutting. These ultra thin electroplated diamond blades are great for cutting precious materials such as opal and turquoise as well as glass. This blade is made in USA and the perfect companion for trimming and conserving material.

The "Edge" Blade

4" - CEB404
1-4 pieces - \$22.00
5+ pieces - \$18.00
Core 0.004 -- Arbor 5/8" or 1/2"
4" - CEB410
1-4 pieces - \$22.00
5+ pieces - \$18.00
Core 0.010 -- Arbor 5/8" or 1/2"
6" - CEB606
1-4 pieces - \$27.00
5+ pieces - \$22.00
Core 0.006 -- Arbor 5/8" or 1/2"
6" - CEB612
1-4 pieces - \$27.00
5+ pieces - \$22.00
Core 0.010 -- Arbor 5/8" or 1/2"
6" - CEB625
1-4 pieces - \$32.00
5+ pieces - \$25.00
Core 0.020 -- Arbor 5/8" or 1/2"
8" - CEB812
1-4 pieces - \$39.00
5+ pieces - \$32.00
Core 0.012 -- Arbor 5/8" only
8" - CEB820
1-4 pieces - \$39.00
5+ pieces - \$32.00
Core 0.020 -- Arbor 5/8" only
10" - CEB115
1-4 pieces - \$55.00
5+ pieces - \$45.00
Core 0.015 -- Arbor 5/8" only
10" - CEB120
1-4 pieces - \$55.00
5+ pieces - \$45.00
Core 0.020 -- Arbor 5/8" only

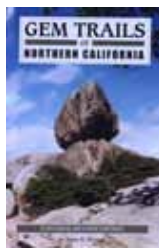
Books



Gem Trails of Oregon

GTBCOR - ~~\$16.95~~ \$15.45

Romaine. A revised and updated edition which includes information for over 100 collecting sites and includes maps and GPS coordinates.



Gem Trails of Northern California

GTBNCA - ~~\$12.95~~ \$11.65

Mitchell. Features sites from the Oregon border south to the Monterey area. Detailed texts and maps make locating and collecting easy.



Gem Trails of Southern California

GTBSCA - ~~\$12.95~~ \$11.65

Mitchell. Latest edition shows all major collecting areas with maps and detailed collecting information.



GPS Guide to Western Gem Trails

GTBGPS - ~~\$19.95~~ \$17.95

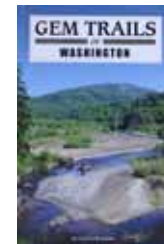
Kelty. A necessary accompaniment to the Gem Trails series and other books. Find exact locations using your GPS to over 1200 sites.



Gem Trails of Arizona

GTBCAZ - ~~\$14.95~~ \$13.45

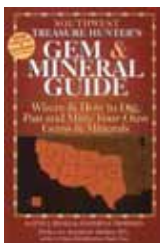
Mitchell. Latest edition shows all major collecting areas with maps and specific collecting details.



Gem Trails of Washington

GTBCWA - ~~\$18.95~~ \$17.45

Romaine. This comprehensive guide includes information on more than 75 collecting sites. Each site includes a map and GPS coordinates.



Southwest Treasure Hunters Gem & Mineral Guide

GTBSGG - ~~\$14.99~~ \$13.50

Rygle & Pedersen. Easy-to-use guide for ins and outs of "fee dig" mining, locations, costs, and trips.



Rocks & Minerals of California

RIBRMC - ~~\$13.95~~ \$12.55

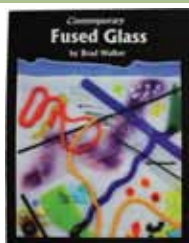
Brown, Allen, & Stark. A new edition with color illustrations, maps, descriptions, tests, and definitions of materials.



Jade

RIBJAD - ~~\$19.95~~ \$17.95

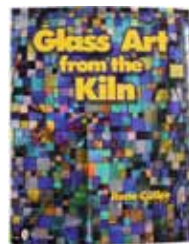
Ward. Complete guide to finding, collecting, buying, and cutting this popular gem material.



Contemporary Fused Glass

CGBCFG - ~~\$47.95~~ \$43.15

Walker. A guide to working with glass in a kiln.



Glass Art from the Kiln

CGBGAK - ~~\$58.00~~ \$45.00

Culler. A guide to creating glass art including detailed instructions and techniques to cutting, fusing, and coldworking glass.



The Joy of Coldworking

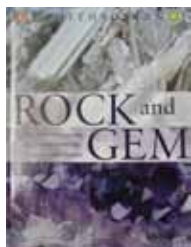
CGBTJC - ~~\$49.95~~ \$44.95

Schmuck. Covers everything from tools and machines, to techniques and aesthetics, a comprehensive guide to coldworking.



Books

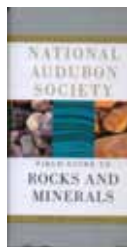
Books



Smithsonian Rock & Gem

RIBCRG - ~~\$24.95~~ \$22.45

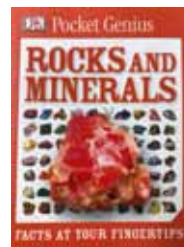
Bonewitz. A comprehensive guide to the rocks and minerals of the world.



Audubon Society Field Guide

RIBASG - ~~\$19.95~~ \$17.95

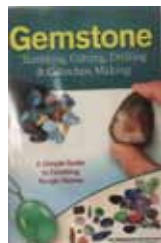
A pocket book with pictures and written details of composition.



Pocket Genius Rocks & Minerals

RIBRAM - ~~\$5.00~~ \$4.50

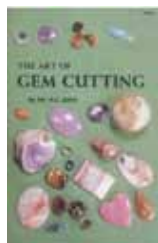
A pocket guide to identifying rocks and minerals.



Gemstone Tumbling

RIBGTC - ~~\$18.95~~ \$17.05

Magnuson & Carver. A full color guide to tumbling, cutting, drilling & cabochon making. A simple guide to finishing rough stones.



The Art of Gem Cutting

HLBAGC - ~~\$6.00~~ \$5.40

Dake. This book teaches how to buy the rough, cut the gems, choose and use equipment. Detailed instructions and complete illustrations.



The Rockhound's Handbook

HLBCRH - ~~\$15.95~~ \$14.35

Mitchell. An indispensable guide to rockhounding for amateurs and experienced collectors.



How to Tumble Polish Gemstones

RIBTPG - ~~\$6.50~~ \$5.85

Wexler. Turn pebbles and stones into sparkling jewels. Also a guide to the type of tumbling equipment available and how to use it correctly.



How To Use Diamond Abrasives

CTBMRT - ~~\$24.95~~ \$22.45

Riggle. Subjects include trimming, slabbing, grinding, dopping, smoothing, polishing, equipment accessories, and supplies.



Gem Tumbling & Baroque Jewelry Making

RIBBJM - ~~\$6.50~~ \$5.85

Victors. How to tumble polish all popular stones and instructions on baroque jewelry making.



Modern Rock Tumbling

CTBMRT - ~~\$24.95~~ \$22.45

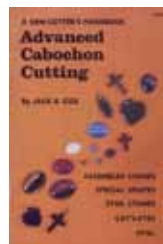
Hart. The only complete and up-to-date guide on tumble polishing rocks and stones.



Cabochon Cutting

HLBCCC - ~~\$6.00~~ \$5.40

Cox. Illustrations, photos, and detailed instructions will tell and show how to cut a cabochon.

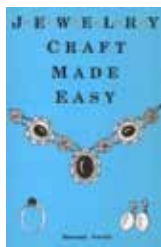


Advanced Cabochon Cutting

HLBCCC - ~~\$6.00~~ \$5.40

Cox. Master special shaped cabochon cutting, assembled stones, star stones, cat's eyes, special sections on opals, and jade.

Books



Jewelry Craft Made Easy

CJBCE - ~~\$5.95~~ \$5.35

French. For the hobbyist who prefers purchasing already finished gemstones, mountings, and findings for assembling beautiful jewelry.



How to Make Wire Jewelry

CJBHWJ - ~~\$6.00~~ \$5.40

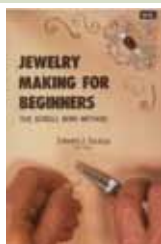
Jenkins & Thrasher. Instructions and illustrations show how to make pins, pendants, chains, rings, bracelets, earrings, stickpins, and novelty items.



How to Repair Jewelry

CJBHRJ - ~~\$5.00~~ \$4.50

Phelps. Instructions on how to fix broken chains and prongs, replace lost parts, reset gemstones, size rings, and much more.



Jewelry Making for Beginners

CJBMB - ~~\$5.00~~ \$4.50

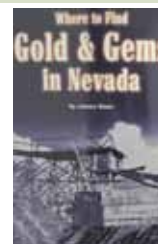
Soukup. An easy-to-learn method for fabricating soldered jewelry pieces that will keep the novice from getting discouraged. All steps are clearly shown with photos and detailed text.



Lost Wax or Investment Casting

CJBLWC - ~~\$5.50~~ \$4.95

Sopcak. A manual that shows how to make the equipment needed as well as how to use it to make patterns, molds, and castings for jewelry and other small metal parts.



Where to Find Gold & Gems in Nevada

CPBGGN - ~~\$8.95~~ \$8.05

Klein. Gold-bearing regions and selected gem and rock hound areas organized by county. Maps, photos, directions, and historical anecdotes.



Rocks, Minerals & Crystals

HPBRMC - ~~\$8.95~~ \$8.06

Powell. A coloring & collecting book with more than 30 interactive pages.



Facet Cutter's Handbook

CMBFCH - ~~\$5.00~~ \$4.50

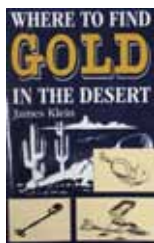
Soukup. This book contains everything one needs to know to facet a gemstone expertly. Shows 22 beautiful cuts.



How to Tumble Polish Rocks into Gems

HLBTRG - ~~\$22.50~~ \$20.25

Smith. A guide to tumbling and polishing rocks. Tried and true formulas for tumbling rocks.



Where to Find Gold in The Desert

CPBCGD - ~~\$9.95~~ \$8.95

Klein. A comprehensive guide to finding gold in the southwest.



Where to Find Gold in Northern California

CPBGNC - ~~\$10.95~~ \$9.85

Klein. Miner shares prospecting secrets in Northern California.



Where to Find Gold in Southern California

CPBGSC - ~~\$9.95~~ \$8.95

Klein. Veteran prospector & treasure hunter shares his secrets in this book.



Bufs & Spindles



3" x Pin Hole 2-Row Buff
MPB330 - \$3.25
30 ply - 3/8" Running Face



**4" x Pin Hole Yellow
Treated 2-Row Buff**
MPB440 - \$4.50
40 ply - 1/2" Running Face



**4" x Pin Hole Cotton
Flannel 2-Row Buff**
MPB430 - \$4.50
30 ply - 1/2" Running Face



6" x Pin Hole 2-Row Buff
MPB650 - \$6.75
50 ply - 1/2" Running Face



6" x 1/2" 2-Row Buff
MPB620 - \$6.75
20 ply - 1/4" Running Face



6" x 1" Spiral Buff
MPB621 - \$6.75
20 ply - 1/4" Running Face



8" x 1" Spiral Buff
MPB820 - \$10.00
20 ply - 1/4" Running Face



Tapered Spindles

All Sizes - \$13.50

1/4" RH -CTSR14

1/4" LH -CTSL14

3/8" RH -CTSR38

3/8" LH -CTSL38

1/2" RH -CTSR12

1/2" LH -CTSL12

5/8" RH -CTSR58

5/8" LH -CTSL58

Tapered Spindles hold muslin or felt buffs. The buffs screw onto the taper until tight. Spindles are made with either right or left hand threads. A smooth bore secures the spindle to a smooth shaft with setscrew.



Large Shaft Adapters

1"-14RHT -LSAR35- \$23.00

1"-14LHT -LSAL35- \$23.00

Large Shaft Adapters are a 1"-14 with a left or right hand nut thread. Each has 2" inside backing stop for wheel or buff mount. Adapters come in 1/2", 5/8", or 3/4" bore. *Please specify bore size and thread.



Small Shaft Adapters

1/2"-20RHT -SSAR04- \$12.75

1/2"-20LHT -SSAL06- \$12.75

Small Shaft Adapters are a 1/2"-20 with a left or right hand nut thread. This shaft accepts wheels that have a 1/2", 5/8", 3/4" or 1" arbor bore and is 3-1/2" long. *Please specify thread when ordering.



1/2" Shaft Adapters

1"-14RHT -MSAR05- \$13.50

1"-14LHT -MSAL05- \$13.50

Adapt 1/2" smooth shaft up to a 1"-14 left or right hand threaded shaft.

Discs



Covington's Diamond Abrasive System is a magnetic mounting system that uses one head for all grinding operations. Simply attach the adhesive-backed, flexible magnetic holder to the grinding head. No additional adhesive, or shaft nuts are required and is now ready to take diamond cutting discs. Center the disc on the magnet and it is ready to use. Use the coarse disc (100g) to remove large amounts of material. Use the medium disc (220g) to improve the surface finish and prepare the piece for finer grinding. The fine disc (600g) quickly removes the medium finish and prepares the surface for pre-polish. Diamond Compound can be used as a pre-polish (8,000mesh) or final polish (14,000mesh to 50,000mesh) on a polish plate.

Perforated Diamond Discs & Accessories

8"

100g/Coarse -CDAC08- **\$100.00**
220g/Medium -CDAM08- **\$90.00**
600g/Fine -CDAF08- **\$80.00**
Set -CDAS08- **\$243.00**
Magnet -CDAH08- **\$36.00**
Polish Plate -CAPP08- **\$18.00**

10"

100g/Coarse -CDAC10- **\$150.00**
220g/Medium -CDAM10- **\$138.00**
600g/Fine -CDAF10- **\$126.00**
Set -CDAS10- **\$373.00**
Magnet -CDAH10- **\$50.00**
Polish Plate -CAPP10- **\$24.00**



Cork Discs

6" -CPD006- **\$4.00**
8" -CPD008- **\$7.00**
10" -CPD010- **\$9.00**



Magnetic Backed Diamond Discs are super-fast to change and available in a wide selection to suit any grinding and polishing need. These discs have a 1" hole to center on plate. Use in combination with Covington's 12", 18, and 24" Flat Laps for optimum performance.

Magnetic Backed Electroplated Diamond Discs

45g

12" -NB1204- **\$316.75**
18" -NB1804- **\$640.25**
24" -NB2404- **\$998.95**

60g

12" -NB1206- **\$237.75**
18" -NB1806- **\$469.75**
24" -NB2406- **\$741.50**

80g

12" -NB1208- **\$220.00**
18" -NB1808- **\$441.00**
24" -NB2408- **\$676.50**

100g

12" -NB1210- **\$200.25**
18" -NB1810- **\$423.50**
24" -NB2410- **\$616.00**

140g

12" -NB1214- **\$195.00**
18" -NB1814- **\$415.75**
24" -NB2414- **\$597.50**

200g

12" -NB1220- **\$175.00**
18" -NB1820- **\$387.25**
24" -NB2420- **\$563.25**

270g

12" -NB1227- **\$156.25**
18" -NB1827- **\$363.00**
24" -NB2427- **\$529.25**

325g

12" -NB1232- **\$156.25**
18" -NB1832- **\$363.00**
24" -NB2432- **\$529.25**

500g

12" -NB1250- **\$156.25**
18" -NB1850- **\$363.00**
24" -NB2450- **\$529.25**



Magnetic backed diamond resin polishing pads are a great choice for pre-polishing your glass and stones. The resin that holds the diamond in place uses a more relaxed bond, perfect for pre-polishing. These discs come standard with a 1" center hole.

Magnetic Backed Resin Bond Diamond Discs

12" - \$110.00

100g (black) -RB1210
220g (purple) -RB1220
325g (brown) -RB1232
600g (red) -RB1260
1,200g (blue) -RB1212

18" - \$160.00

100g (black) -RB1810
220g (purple) -RB1820
325g (brown) -RB1832
600g (red) -RB1860
1,200g (blue) -RB1812

24" - \$245.00

100g (black) -RB2410
220g (purple) -RB2420
325g (brown) -RB2432
600g (red) -RB2460
1,200g (blue) -RB2412



Synthetic felt discs are the perfect companion to cerium oxide. The perforated design holds the polishing compound in the disc. These discs come standard with a 1" center hole.

Magnetic Backed Synthetic Felt Discs

12" -FELT12- **\$60.00**

18" -FELT18- **\$145.00**

24" -FELT24- **\$235.00**



Discs



Covington's diamond discs are a great choice for any sanding or pre-polishing need. Covington stocks 100g, 220g, 325g, 600g, 800g, and 1,200g. Alternate grits are also available but may have a 1 to 2 week lead time.

Diamond Polishing Discs

6" - \$35.00

100g (black) -DSD610
220g (purple) -DSD622
325g (brown) -DSD632
600g (red) -DSD660
800g (green) -DSD680
1,200g (blue) -DSD612

8" - \$55.00

100g (black) -DSD810
220g (purple) -DSD822
325g (brown) -DSD832
600g (red) -DSD860
800g (green) -DSD880
1,200g (blue) -DSD812

10" - \$90.00

100g (black) -DSD110
220g (purple) -DSD122
325g (brown) -DSD132
600g (red) -DSD160
800g (green) -DSD180
1,200g (blue) -DSD112



Covington's Full Face Lap Plates are nickel electroplated for superior bonding of diamonds and longer life. These are the same plates used with the 6" Cab Kings. Each disc is attached to a backing plate and has a 1/4"-20 mounting post.

Full Face Lap Plate

60g -FFL606- **\$78.00**

80g -FFL608- **\$74.00**

100g -FFL610- **\$66.00**

180g -FFL618- **\$62.00**

360g -FFL636- **\$56.00**

600g -FFL660- **\$50.00**



Our silicon carbide discs are higher quality and longer lasting than other brands on the market. Available in **60, 80, 100, 220, 320, 400, 600, 800, and 1,000** grits. *Mix grit size to receive bulk discount.

Silicon Carbide Sand Discs

6" - SCD006

1-9 pieces - **\$1.85**

10-49 pieces - **\$1.45**

50+ pieces - **\$1.20**

8" - SCD008

1-9 pieces - **\$2.25**

10-49 pieces - **\$2.00**

50+ pieces - **\$1.75**

10" - SCD010

1-9 pieces - **\$3.75**

10-49 pieces - **\$3.25**

50+ pieces - **\$2.75**

9" x 11" Sheet - SCS911

1-9 pieces - **\$1.30**

10-49 pieces - **\$1.05**

50+ pieces - **\$0.80**



Felt Discs

6" -FPD006- **\$10.00**

8" -FPD008- **\$13.00**

10" -FPD010- **\$23.00**

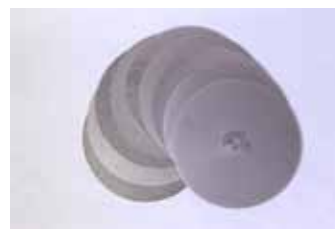


Leather Discs

6" -LPD006- **\$5.75**

8" -LPD008- **\$6.50**

10" -LPD010- **\$8.25**



Diamond Faceting Discs are electroplated discs used for faceting, glass grinding, intarsia, and general lapidary applications.

Diamond Faceting Discs

6"

60g -CFL606- **\$50.00**

80g -CFL608- **\$46.00**

100g -CFL610- **\$38.00**

180g -CFL618- **\$34.00**

260g -CFL626- **\$28.00**

360g -CFL636- **\$28.00**

600g -CFL660- **\$22.00**

1,200g -CFL612- **\$20.00**

3,000g -CFL630- **\$50.00**

Backing Plate -CBP006- **\$30.00**

8"

60g -CFL806- **\$60.00**

80g -CFL808- **\$56.00**

100g -CFL810- **\$48.00**

180g -CFL818- **\$44.00**

260g -CFL826- **\$36.00**

360g -CFL836- **\$36.00**

600g -CFL860- **\$32.00**

1,200g -CFL812- **\$30.00**

3,000g -CFL830- **\$60.00**

Backing Plate -CBP008- **\$40.00**

6" w/ Backing Plate

60g -CFB606- **\$78.00**

80g -CFB608- **\$74.00**

100g -CFB610- **\$66.00**

180g -CFB618- **\$62.00**

260g -CFB626- **\$56.00**

360g -CFB636- **\$56.00**

600g -CFB660- **\$50.00**

1,200g -CFB612- **\$48.00**

3,000g -CFB630- **\$78.00**

8" w/ Backing Plate

60g -CFB806- **\$94.00**

80g -CFB808- **\$90.00**

100g -CFB810- **\$82.00**

180g -CFB818- **\$78.00**

260g -CFB826- **\$70.00**

360g -CFB836- **\$70.00**

600g -CFB860- **\$66.00**

1,200g -CFB812- **\$64.00**

3,000g -CFB830- **\$94.00**

See Page 82 for best combinations when using buffs, discs and polishes on your stones or glass.

Drill Bits



The Crinkled Rim Core Drill is nickel plated, has a high diamond concentration and cuts quickly through most stone. The crinkling aids in faster cutting and stone removal.

Notched Rim Crinkled Core Drill Bits	
4mm - CCD004	0.1575" - \$5.00
5mm - CCD005	0.1969" - \$5.25
6mm - CCD006	0.2362" - \$7.00
8mm - CCD008	0.3150" - \$9.00
10mm - CCD010	0.3937" - \$12.00
12mm - CCD012	0.4724" - \$13.00
14mm - CCD014	0.5512" - \$15.00
16mm - CCD016	0.6299" - \$16.00
18mm - CCD018	0.7087" - \$17.00
20mm - CCD020	0.7874" - \$19.00
25mm - CCD025	0.9843" - \$22.00
30mm - CCD030	1.1811" - \$25.00
35mm - CCD035	1.3780" - \$27.00

Bonded Diamond Drill Bits	
0.75mm - BDD075	1-9 pieces - \$2.25 10-49 pieces - \$1.75 50+ pieces - \$1.00
1.00mm - BDD100	1-9 pieces - \$2.25 10-49 pieces - \$1.75 50+ pieces - \$1.00
1.50mm - BDD150	1-9 pieces - \$2.25 10-49 pieces - \$1.75 50+ pieces - \$1.00
2.00mm - BDD200	1-9 pieces - \$2.25 10-49 pieces - \$1.75 50+ pieces - \$1.00
2.50mm - BDD250	1-9 pieces - \$2.25 10-49 pieces - \$1.75 50+ pieces - \$1.00



Sintered Diamond Drill Bits	
1.0mm - SDB001	\$20.00
1.2mm - SDB002	\$20.00
1.4mm - SDB003	\$20.00
1.7mm - SDB004	\$20.00
2.0mm - SDB005	\$20.00

Diamond Core Drill Bits	
1.00mm - BCD100	1-9 pieces - \$3.00 10+ pieces - \$2.50
1.50mm - BCD150	1-9 pieces - \$3.00 10+ pieces - \$2.50
2.00mm - BCD200	1-9 pieces - \$3.00 10+ pieces - \$2.50
2.50mm - BCD250	1-9 pieces - \$3.50 10+ pieces - \$3.00
3.00mm - BCD300	1-9 pieces - \$5.00 10+ pieces - \$4.50
3.50mm - BCD350	1-9 pieces - \$5.50 10+ pieces - \$4.75



Sintered Diamond Core Drill Bits w/ Adapter	
1/2" -SCD001-	\$35.00
w/ Adapter -SCB001-	\$45.00
3/4" -SCD002-	\$39.00
w/ Adapter -SCB002-	\$49.00
1" -SCD003-	\$56.00
w/ Adapter -SCB003-	\$66.00
1-1/4" -SCD004-	\$62.00
w/ Adapter -SCB004-	\$72.00
1-1/2" -SCD005-	\$88.00
w/ Adapter -SCB005-	\$98.00
2" -SCD006-	\$110.00
w/ Adapter -SCB006-	\$120.00

Drill Bits



Engraving & Jewelry Tools

Mandrels



M-1 Mandrel
CSM001 - \$1.10
3/32" Shank
1/16" Size



M-3 Mandrel
CSM003 - \$1.00
3/32" Shank



M-6 Mandrel
CSM006 - \$1.20
1/8" Shank
1/16" Size



M-7 Mandrel
CSM007 - \$3.25
1/8" Shank

Cratex Wheels

Cratex Wheels are individual rubber bonded abrasives for polishing, removing rust, etc. These wheels are available in 3 grits: coarse (green), medium (brown), fine (reddish-brown), and fit M-1 or M-6 mandrels. Maximum speed rating of 25,000rpm.



A1 - 7/8" - \$1.00

Coarse (green) - CWAC78

Medium (brown) - CWAM78

Fine (red) - CWAFF78



A2 - 5/8" - \$0.80

Coarse (green) - CWAC58

Medium (brown) - CWAM58

Fine (red) - CWAFF58



A3 - 5/8" Tapered - \$0.80

Coarse (green) - CWTC58

Medium (brown) - CWTM58

Fine (red) - CWTFF58



A-5 - \$5.25
CWA150 - Extra Fine

Carving Wheels

Aluminum Oxide Wheels (medium grit) are used for hard materials. They will fit either the M-1 or M-6 mandrels.



G-27 Square Edge Wheel
GGW027 - 3/4" - \$1.25



G-23 Tapered Wheel
GGW023 - 3/4" - \$1.25

Cutting Discs

These excellent quality 7/8" Diamond Cutting Discs can be used for slicing, grooving, roughing, and carving.



7/8" Diamond Cutting Disc
CTD001 - \$2.00



Set of 6 Discs w/ Mandrel
CTD005 - \$10.00

Engraving & Jewelry Tools



High quality diamond jewelry blades.

5" x 0.040 - 120 Mesh Blade
DWB040 - \$2.00

5" x 0.030 - 180 Mesh Blade
DWB030 - \$2.00



Jewelry Wire Bender
CJB068 - \$15.75

Covington's Jewelry Wire Bender is machined out of a solid piece of aluminum. It features two (2) mounting holes, four (4) removable dowel pins that assist in making almost any design, and a green anodized coating.



These Needle Files are made of hardened, tempered steel. Swiss Cut #2.

Set of 6 Files
SFL006 - \$9.00

Set of 12 Files
SFL012 - \$17.00



This high-quality Saw Frame is made from tempered tool steel with a reinforced wooden handle. A large thumbscrew mounted on top allows easy tightening adjustments, while an additional adjustment nut at the front end provides an extra tight hold.

2-1/2" Deep Saw Frame
JSF002 - \$20.00

4" Deep Saw Frame
JSF004 - \$24.00



The Swiss Acura® SCIES Jeweler's Saw Blades are 5-1/2" in length. These blades are used for cutting all metals, bone, pearl and other hard materials. Round backs make it easy to turn corners and follow curves. The teeth are uniform in size, shape and sharpness to assure fast, easy cutting.

Jeweler's Saw Blades

\$3.15/Dozen - \$26.00/Gross

JSB094 - 4/0
0.0086 Thick - 0.0175 Wide

JSB093 - 3/0
0.0095 Thick - 0.0190 Wide

JSB092 - 2/0
0.0103 Thick - 0.0204 Wide

JSB091 - 1/0
0.0110 Thick - 0.0220 Wide

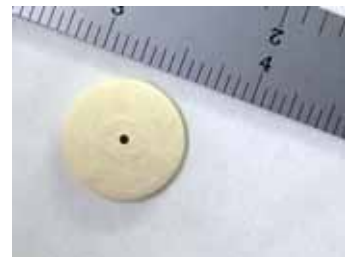
JSB082 - 2
0.0134 Thick - 0.0276 Wide

JSB083 - 3
0.0140 Thick - 0.0290 Wide

JSB084 - 4
0.0150 Thick - 0.0307 Wide

Felt Wheels & Points

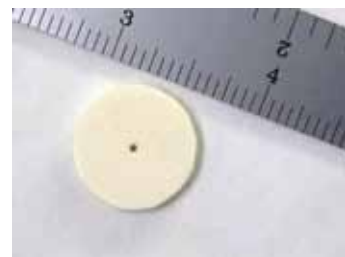
Felt Wheels and Points are used for buffing and polishing hard and soft metals, plastics, and painted surfaces. These are typically used in combination with a compound for desired effect and are excellent for polishing glass with cerium oxide. The wheels and points have a maximum speed rating of 15,000rpm.



Knife Edge Felt Wheels

1" -KEW004- \$1.35

1/2" -KEW001- \$1.05



Square Edge Felt Wheels

1" -SEW003- \$0.70

3/4" -SEW002- \$0.60

1/2" -SEW001- \$0.50



Hard Felt Cones

1/2" -HFC003- \$1.25

3/8" -HFC002- \$1.00

1/4" -HFC001- \$0.75

Engraving
& Jewelry



Engraving & Jewelry Tools



180g Five File Set
NFP181 - \$6.00

180g Five File Set
NFO182 - \$7.00



180g Ten File Set
NFC184 - \$15.00

180g Ten File Set
NFB183 - \$20.00



180g Five File Set
NFD185 - \$23.00



Ultrasonic Jewelry Cleaner
CUC179 - \$59.95

The Professional Grade Ultrasonic jewelry cleaner is an eco friendly machine for cleaning jewelry and small stones. Using only water, this unit will bring a brilliant shine to your jewelry using ultrasonic sound waves. This unit will also help clean and remove the grit from hard to reach areas in small stones after a tumbling process. A stainless steel tank and blue LED light allow for easy viewing of jewelry and stones.



Chain Nose Plier
CPL150 - \$6.00

All purpose pliers with smooth jaws that have slightly rounded edges.



Round Nose Plier
CPL152 - \$6.00

Jaws are round and smooth for forming loops in wire.



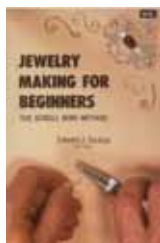
Flat Nose Plier
CPL154 - \$6.00

Flat nose duck bill pliers with smooth jaws.



Jewelry Craft Made Easy
CJBICE - ~~\$5.95~~ \$5.35

French. For the hobbyist who prefers purchasing already finished gemstones, mountings, and findings for assembling beautiful jewelry.



Jewelry Making for Beginners
CJBMB - ~~\$5.00~~ \$4.50

Soukup. An easy-to-learn method for fabricating soldered jewelry pieces that will keep the novice from getting discouraged. All steps are clearly shown with photos and detailed text.



How to Make Wire Jewelry
CJBHWJ - ~~\$6.00~~ \$5.40

Jenkins & Thrasher. Instructions and illustrations show how to make pins, pendants, chains, rings, bracelets, earrings, stickpins, and novelty items.



How to Repair Jewelry
CJBHRJ - ~~\$5.00~~ \$4.50

Phelps. Instructions on how to fix broken chains and prongs, replace lost parts, reset gemstones, size rings, and much more.

CHOOSING AND USING GRIT, POLISH, & TUMBLING MEDIA

CHOOSING

Covington sells a variety of grits, polishes, and other tumbling media for a variety of grinding and tumbling needs. We believe that a great finish starts with a great product which is why we only buy the best grit, polish, and media products we can.

GRIT: Covington sells only the highest quality of silicon carbide grits. Our silicon carbides are baked longer than standard silicon carbide grits ensuring higher quality and longer grinding life. Silicon carbide grit is a 9 on the Mohs scale. Our 60/90, 120/220, 3F-400 and 5F-600 selections are manufactured in the United States.

GRADED GRIT: We sell only the highest quality of graded silicon carbide grits. Turning out a quality product and customer satisfaction are our top priorities. These graded grits have a longer grinding life and do not break down as quickly as cheaper products.

FILLER MEDIA: When it comes to preventing pieces from colliding during the tumbling process, there are a few options in the way of filler media. Ceramic Angle's #1, #2, and #3 all add weight to the load as well as separate work pieces which keeps them from sticking together. Garnet sand is an excellent addition in grinding steps adding weight, and increasing the grinding efficiency of the step. Plastic pellets act as a cushion during tumbling, which is most important in the polishing/final step. They decrease the probability of pieces colliding which could result in chips or scratches in the final step.

BURNISHING MEDIA: There are several different medias that can be used for burnishing. They include: Corn Cob, Plastic Pyramids, Steel Shot, Burnishing Compound, and Walnut Shell. Burnishing compound should be used with steel shot in order to achieve bright clean finishes. There are two types of steel shot available. Stainless steel shot has a slightly higher cost but does not rust and therefore does not require as much cleaning before reuse. Carbon steel shot should be completely cleaned, dried, and then sprayed with a rust inhibitor before storage.

OLD MISER: Old Miser is an additive that is designed to be used during the grinding steps of tumbling or lapping. An original binding mix is created to aid in slurry creation for most effective grinding. Old Miser also helps the grit stick to the pieces which increases grinding efficiency and decreases time spent with each step. Old miser should not be reused with each step and can quickly be washed away with a water rinse. Old Miser should only be use in grinding steps; it is not designed for use with polishes. Old Miser will prevent polish from achieving any results and will not help polish faster. Only 1 tablespoon of Old Miser is needed for every 1 pound of grit.

POLISHING

When it comes to polishing, there are many different ways to achieve the desired finish on any grinding piece. One of the first steps in choosing the perfect polishing compound is to identify the material that you are attempting to polish. One of the most versatile polishing compounds is Covington Tumbler Polish which can be used as a tumbling polish, pre-polishing compound, and for plate lapping as well.

GLASS: Glass is a very soft material (only a 5 on the Mohs scale) and can be brought up to a polish in many different ways. Standard cerium oxide is the most common way to polish glass and can be used in a tumbler or in combination with a felt pad and water. Our high quality, optical grade cerium is one of the best all purpose polishes and can even be used for many other applications.

STONE: When it comes to polishing stones there are several methods that can be used. One of the most common is in a Roll-N-Tumble Gem Tumbler. When tumbling stones it is important to use a polish and a filler that can prevent the stones from colliding while still achieving a polish. Covington Gold Polish #1 is a pure micro-alumina powder that can polish hard stones very similar to tin oxide. Covington Gold Polish #2 is comparable to Linde 'A' Polish and can help achieve a super-fine polish on all stones both hard and soft.

PUMICE: Pumice is a polishing compound that is used in combination with cork belts, wheels, or discs. Pumice is recommended for experienced users. Coarse pumice can make for quick grinding under the right applications and fine pumice can be used as a pre-polish on glass.



BUFF & POLISH INTRODUCTION

1. Many stones polish equally well with several buff and polishing compound combinations. A very hard gem can be polished by a much softer polish powder. Only one polishing agent should be used on a buff.
2. Polishing does not remove any material from the surface. If scratches develop, the stone must be re-sanded.
3. It is impossible to obtain a high glossy finish on very soft materials, especially if they tend to be slightly porous, fibrous, or granular. As a last resort with this type of material, a finish gloss can be given by the use of spray varnish.

POLISHING COMPOUNDS

CERIUM OXIDE: Covington cerium oxide will polish at a faster rate than conventional polishing compounds and produce a superior optical lens surface with no staining or caking. Because it will polish faster, a lower concentration can be used. It is recommended for use on leather, felt, polyurethane foams, and thermoplastic polishing pads. It is a favored polish for quartz type minerals and other gemstone types. It is not recommended for gemstones that will under cut.

LINDE "A": A .3 micron aluminum powder that is carefully graded for uniformity of grain size. It is excellent for polishing stones that will under cut. Excellent for hard to polish stones.

CHROMIUM OXIDE: Chromium oxide is a hard polishing agent. It is green in color and stains badly. It is useful for polishing jade and stones that will under cut.

TIN OXIDE: Tin oxide is an excellent general-purpose polish. It is used to provide a final high gloss finish.

DIAMOND: Diamond grit is the most efficient polishing medium. It is especially useful for polishing difficult-to-polish stones.

BUFFS

CANVAS: Canvas is useful when polishing heat-sensitive stones because it develops very little friction.

MUSLIN: Muslin buffs are recommended for soft stones and gems that are heat-sensitive.

LEATHER: Leather is a versatile buffing material that is both efficient and economical. Leather generates heat, but

not as much as felt.

FELT: Felt is useful for polishing glass and stones of even texture. It is not recommended for gemstones that under cut. Friction on felt generates heat rapidly.

PHENOLIC: Phenolic tools or phenolic lap disc (cab laps) are useful when impregnated with diamond grit. 14,000 Micron (pre-polish) or 50,000 Micron (polish) diamond compound can be applied to the surface of the gemstone and worked with a phenolic carving tool. It can also be applied to the surface of a phenolic lap disc and worked with the gemstone mounted at the end of a dop stick. The diamond will charge the phenolic plate making smoothing and polishing easier.

Material	Best	Next Best	Third Best
Agate	Felt & Cerium	Leather & Cerium	Phenolic & Cerium
Amethyst	Felt & Cerium	Leather & Cerium	Phenolic & Cerium
Beryl	Felt & Cerium	Leather & Linde 'A'	Leather & Chrome Oxide
Calcite	Muslin & Tin Oxide	Leather & Tin Oxide	N/A
Chloastrolite	Felt & Cerium	N/A	N/A
Feldspar	Felt & Cerium	N/A	N/A
Garnet	Felt & Chrome Oxide	Felt & Cerium	Phenolic & Diamond
Glass	Felt & Cerium	N/A	N/A
Goldstone	Felt & Cerium	N/A	N/A
Hematite	Muslin & Cerium	Canvas & Linde 'A'	N/A
Howlite	Felt & Tin Oxide	Leather & Linde 'A'	N/A
Jadeite	Leather & Linde 'A'	Leather & Chrome Oxide	Muslin & Tin Oxide
Jasper	Felt & Cerium	Leather & Linde 'A'	N/A
Lapis Lazuli	Leather & Linde 'A'	Leather & Chrome Oxide	N/A
Malachite	Leather & Linde 'A'	Leather & Chrome Oxide	N/A
Nephrite-Jade	Leather & Linde 'A'	Leather & Chrome Oxide	Muslin & Tin Oxide
Obsidian	Felt & Cerium	N/A	N/A
Opal-Australian	Felt & Cerium	Muslin & Tin Oxide	N/A
Opal-Mexican	Phenolic & Diamond	N/A	N/A
Psilomelane	Leather & Linde 'A'	Leather & Tin Oxide	N/A
Petosky Stone	Canvas & Tin Oxide	N/A	N/A
Quartz	Felt & Cerium	Leather & Cerium	Phenolic & Diamond
Rhodochrosite	Leather & Linde 'A'	Leather & Tin Oxide	N/A
Rhodonite	Leather & Linde 'A'	Leather & Cerium	N/A
Serpentine	Leather & Linde 'A'	Leather & Tin Oxide	N/A
Sodalite	Felt & Cerium	N/A	N/A
Thomsonite	Felt & Cerium	N/A	N/A
Tigers Eye	Leather & Linde 'A'	N/A	N/A
Tourmaline	Leather & Linde 'A'	Leather & Chrome Oxide	Canvas & Diamond
Turquoise	Leather & Linde 'A'	Leather & Tin Oxide	N/A
Unakite	Felt & Cerium	N/A	N/A
Variscite	Leather & Linde 'A'	Felt & Cerium	Felt & Tin Oxide
Wonderstone	Leather & Linde 'A'	Felt & Cerium	Felt & Tin Oxide

**Covington carries several grades of cerium oxide. We generally recommend the standard pink C85 cerium for general purposes and inexperienced users. The super and platinum ceriums are more finely graded by size and are an excellent choice for users with more experience. Both soft and hard glass can be polished using the felt and cerium.

**If you don't see your material in the chart, we recommend starting with one of the more inexpensive polishes and testing small pieces to test results. Keep a journal of your results so you can track which items work best for your materials.

**Remember, these recommendations are guidelines and not hard and fast rules. Results will vary depending on the user methods. Items that are not ground, tumbled, or pre-polished properly are not likely to have good polishing results.

Silicon Carbide Grits



60/90*

1 lb. - SC1080 - **\$4.85**

5 lbs. - SC5080 - **\$17.95**

50 lbs. - SCB080 - **\$127.95**



120/220*

1 lb. - SC1220 - **\$4.95**

5 lbs. - SC5220 - **\$18.50**

50 lbs. - SCB220 - **\$132.00**



3F-400*

1 lb. - SC1400 - **\$6.50**

5 lbs. - SC5400 - **\$29.25**

50 lbs. - SCB400 - **\$201.55**



5F-600*

1 lb. - SC1600 - **\$7.50**

5 lbs. - SC5600 - **\$33.75**

50 lbs. - SCB600 - **\$265.00**

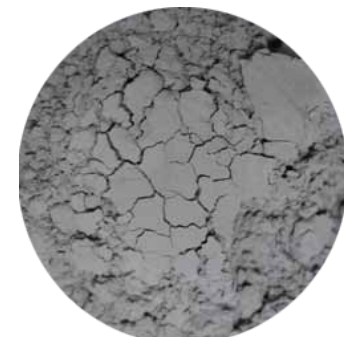


8F-800

1 lb. - SC1800 - **\$5.25**

5 lbs. - SC5800 - **\$19.50**

50 lbs. - SCB800 - **\$148.50**

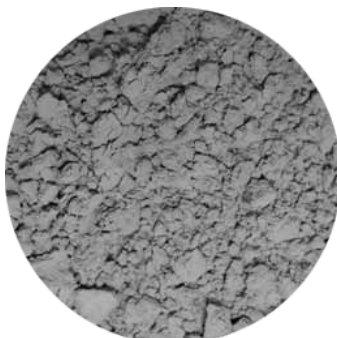


1,000

1 lb. - SC1100 - **\$8.25**

5 lbs. - SC5100 - **\$36.50**

50 lbs. - SCB100 - **\$320.00**



1,200

1 lb. - SC1120 - **\$10.00**

5 lbs. - SC5120 - **\$48.50**

50 lbs. - SCB120 - **\$475.00**



Old Miser

1 lb. - OMGC01 - **\$6.75**

5 lbs. - OMGC05 - **\$33.75**

50 lbs. - OMG050 - **\$250.95**

PRO TIP:

Using Old Miser® with your tumbler will save time and money. This compound helps bind grit to the workpiece while prohibiting the water from washing the grit away. This process speeds up the grinding stages and conserves grit. Use 4-teaspoons of Old Miser® per 1-pound of grit. *Note: Do not use Old Miser® during polishing stages.



**The grits on this page are blends which means there is some variation in particle size. This variety tends to be more forgiving in the tumbling and lapping processes.

**The marked selections are manufactured here in the United States.

This binding agent holds grit to workpieces reducing grit loss due to centrifical force. This compound assists quickly makes a slurry and holds grit to the stone, speeding up the process and saving grit. Old Miser is water-soluble and washes away easily.



Graded Silicon Carbide Grits



14 Graded

1 lb. - GG1014 - **\$4.75**

5 lbs. - GG5014 - **\$16.95**

50 lbs. - GGB014 - **\$118.25**



60 Graded

1 lb. - GG1060 - **\$4.85**

5 lbs. - GG5060 - **\$17.95**

50 lbs. - GGB060 - **\$127.95**



80 Graded

1 lb. - GG1080 - **\$4.85**

5 lbs. - GG5080 - **\$17.95**

50 lbs. - GGB080 - **\$127.95**



120 Graded

1 lb. - GG1120 - **\$4.95**

5 lbs. - GG5120 - **\$18.50**

50 lbs. - GGB120 - **\$132.00**



220 Graded

1 lb. - GG1220 - **\$4.95**

5 lbs. - GG5220 - **\$18.50**

50 lbs. - GGB220 - **\$132.00**



320 Graded

1 lb. - GG1320 - **\$4.85**

5 lbs. - GG5320 - **\$17.95**

50 lbs. - GGB320 - **\$127.95**



400 Graded

1 lb. - GG1400 - **\$4.85**

5 lbs. - GG5400 - **\$17.95**

50 lbs. - GGB400 - **\$127.95**



600 Graded

1 lb. - GG1600 - **\$5.25**

5 lbs. - GG5600 - **\$19.50**

50 lbs. - GGB600 - **\$148.50**

****When a grit is graded it means that all of the particle sizes are the same. The grits on the previous page are blends which means there is variation in particle size. Often blends are easier to use in tumblers and on flat laps.**

****Covington sells only the highest quality graded silicon carbide grits. Producing a quality product and customer satisfaction are our top priorities. These graded grits have a longer grinding life and do not break down as quickly as cheaper products. Our silicon carbides are baked longer than standard silicon carbide grits ensuring higher quality and longer grinding life. Silicon carbide grit is a 9 on the Mohs scale.**

Tumbling Media



Burnishing Compound

1 lb. - BRN001 - **\$6.75**

5 lbs. - BRN005 - **\$28.25**

50 lbs. - BRN050 - **\$230.50**

This high-quality burnishing and lubricating compound creates bright, clean finishes and works great on both silver and gold. Use a ratio of 1-tablespoon to 1-gallon of water, adjust as needed.



Corn Cob

1 lb. - CCC001 - **\$3.75**

5 lbs. - CCC005 - **\$11.75**

50 lbs. - CCC050 - **\$94.00**

Made from the hard woody ring of the corncob, it is used as a very gentle finishing and drying media for polishing and burnishing metals.



Garnet Sand

1 lb. - CGS001 - **\$3.95**

5 lbs. - CGS005 - **\$12.95**

50 lbs. - CGS050 - **\$97.00**

An excellent aid to grinding and polishing in a vibrating or rolling tumbler. The small size aids in reaching hard-to-get areas. Use 1/4- cup of garnet sand per quart of rocks. Use the mixture from rough grind through polish. 8/12 mesh.



Ceramic Angle #1 3/8" x 5/8"

1 lb. - CCA001 - **\$5.50**

5 lbs. - CCA005 - **\$22.00**

50 lbs. - CCA510 - **\$176.00**

Ceramic Angle #1: This filler media adds weight to the load increasing tumbling action, separates work pieces keeping parts from sticking together, and carries grit to work pieces.



Ceramic Angle #2 1/4" x 5/8" w/ Mild Abrasive

1 lb. - CCA002 - **\$5.75**

5 lbs. - CCA025 - **\$23.00**

50 lbs. - CCA520 - **\$184.00**

Ceramic Angle #2 contains a mild abrasive. An excellent filler, it adds weight to the load increasing tumbling action, separates work pieces keeping parts from sticking together, and carries grit to work pieces.



Ceramic Angle #3 5/32" x 5/16"

1 lb. - CCA003 - **\$6.25**

5 lbs. - CCA035 - **\$25.00**

50 lbs. - CCA530 - **\$200.00**

Ceramic Angle #3: This filler media adds weight to the load effectively increasing tumbling action, separates work pieces keeping parts from sticking together, and carries grit to work pieces.

Grit, Polish,
& Media.



Tumbling Media



Plastic Pyramids

1 lb. - PYR001 - **\$6.75**

5 lbs. - PYR005 - **\$27.00**

50 lbs. - PYR050 - **\$250.00**

1/4" plastic media used wet on all precious metals for cut down prior to burnishing with steel shot. This is a fast cutting media that produces an excellent finish. The plastic pyramids are made with a 400-grit quartz abrasive embedded inside.



Stainless Steel Shot

1 lb. - SSS001 - **\$15.25**

5 lbs. - SSS005 - **\$76.50**

50 lbs. - SSS050 - **\$712.95**

A superior mix of balls, pins, ball-cones, and cylinders. Just the right sizes for jewelry work. The mixture ensures maximum coverage of a wide variety of work pieces. Shot is made from hard, low-carbon steel with a mirror bright surface.



Carbon Steel Shot

1 lb. - CSS001 - **\$8.25**

5 lbs. - CSS005 - **\$37.25**

50 lbs. - CSS050 - **\$321.75**

A superior mix of balls, pins, ball-cones, and cylinders. Just the right sizes for jewelry work. The mixture ensures maximum coverage of a wide variety of work pieces. Shot is made from hard, low-carbon steel with a mirror bright surface.



Coarse Walnut Shell

1 lb. - GWSC01 - **\$3.25**

5 lbs. - GWSC05 - **\$8.25**

50 lbs. - GWSC50 - **\$35.00**

Use in a tumbler with a pinch of red rouge powder to put a brilliant polish on brass shell cartridges, silver, gold jewelry, and coins.



Fine Walnut Shell

1 lb. - GWSF01 - **\$3.25**

5 lbs. - GWSF05 - **\$8.25**

50 lbs. - GWSF50 - **\$35.00**

Use in a tumbler with a pinch of red rouge powder to put a brilliant polish on brass shell cartridges, silver, gold jewelry, and coins.



Plastic Pellets

1 lb. - PPS001 - **\$4.25**

5 lbs. - PPS005 - **\$14.50**

50 lbs. - PPS050 - **\$92.00**

1/8" pellets act as a cushion when tumbling delicate materials, especially during a polishing cycle. Pellets float off for easy separation and re-use.

Polishing Compounds



Chrome Oxide

1 lb. - COP001 - \$13.25

5 lbs. - COP005 - \$65.50

50 lbs. - COP050 - \$603.25

This green powder is a hard polishing agent used to polish jade, garnet, rhodonite, and lapis.



Covington Gold Polish #1

1 lb. - CGP001 - \$9.75

5 lbs. - CGP005 - \$39.00

50 lbs. - CGP050 - \$312.00

A 99% pure micro-alumina powder, this polish is great for polishing petrified wood, agate, rhodocrosite, jade and other hard stones. Approximately 2-3 microns and a 9 on the Mohs scale (compares with Tin Oxide).



Covington Gold Polish #2

1 lb. - CGP201 - \$17.25

5 lbs. - CGP205 - \$69.00

50 lbs. - CGP250 - \$552.00

A 99% pure micro alumina powder, this polish is excellent for achieving a super-fine polish on all hard and soft stones. Particle size is approximately .5 microns and a 9 on the Mohs scale (compares with Linde 'A' Polish).



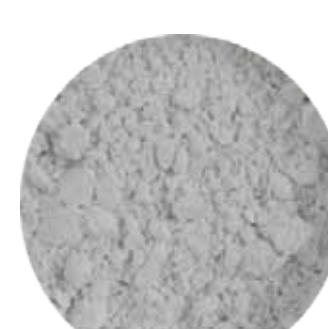
Red Rouge

1 lb. - RRP001 - \$5.75

5 lbs. - RRP005 - \$22.50

50 lbs. - RRP050 - \$172.00

Use this inexpensive polish powder for tumbling. Use with walnut shell to polish brass and other metals. This powder can be used as a final polish for glass and obsidian.



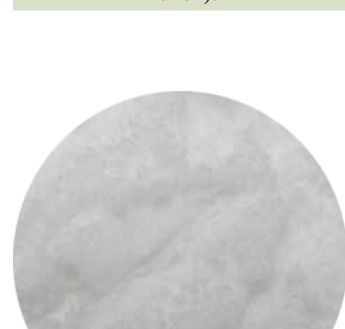
Covington Tumbler Polish

1 lb. - CTP001 - \$7.75

5 lbs. - CTP005 - \$33.75

50 lbs. - CTP050 - \$285.25

This 98% pure levigated alumina polish powder is excellent for tumbling. It acts as a pre-polish and works best when followed by a higher grade polish.



Oxalic Acid

1 lb. - OAP001 - \$4.75

5 lbs. - OAP005 - \$17.25

50 lbs. - OAP050 - \$121.25

A cleaning powder used to remove iron stains from gemstones.

Grit, Polish,
& Media.



Polishing Compounds



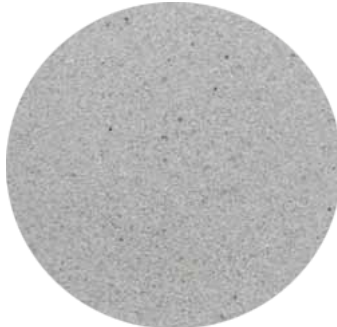
Pumice, 0-1/2

1 lb. - PUM101 - **\$3.25**

5 lbs. -PUM105 - **\$10.00**

50 lbs. - PUM150 - **\$72.00**

Coarse pumice for quick grinding, recommended for experienced users.



Pumice, 1

1 lb. - PUM501 - **\$3.25**

5 lbs. -PUM505 - **\$10.00**

50 lbs. - PUM550 - **\$72.00**

Very coarse pumice for quick grinding, recommended for experienced users. Sand-like in appearance.



Pumice, 2F

1 lb. - PUM201 - **\$3.25**

5 lbs. -PUM205 - **\$10.00**

50 lbs. - PUM250 - **\$72.00**

Use to remove grease or stains from glass surfaces. This pumice creates an excellent pre-polish on glass. Use with cork belts, wheels, or discs. Can be applied with wet rag, or felt block.



Pumice, 4F

1 lb. - PUM401 - **\$3.25**

5 lbs. -PUM405 - **\$10.00**

50 lbs. - PUM450 - **\$72.00**

Use on cork belts, wheels, or discs for semi-polishing the edges or bevels on glass plate. This pumice creates an excellent pre-polish on glass.



Tin Oxide

1 lb. - TOP001 - **\$20.25**

5 lbs. -TOP005 - **\$105.50**

50 lbs. - TOP050 - **\$1,001.95**

This 99.9% high purity tin oxide provides an excellent polish on almost any gemstone including hard-to-polish stones.



Linde 'A'

1 oz. - LAP001 - **\$8.95**

8 oz. -LAP008 - **\$59.00**

A .3 micron alumina powder that is 99.98% pure aluminum oxide and a 9 on the Mohs scale. Linde 'A' will polish almost any gemstone.

Polishing Compounds & Accessories



Platinum Cerium Oxide

1 lb. - PCO001 - **\$47.95**

Platinum Cerium is the ultimate grade of Cerium, it is for experienced users that wish to achieve a mirror polish on stones or glass.



Super Cerium Oxide

1 lb. - SCO001 - **\$23.75**

5 lbs. -SCO005 - **\$112.00**

50 lbs. - SCO050 - **\$1,100.00**

Covington's high quality optical grade super cerium is excellent for polishing glass. One of the best all purpose polishes, cerium will polish quartz, agate, opal, obsidian, etc.



Cerium Oxide

1 lb. - C85001 - **\$12.75**

5 lbs. -C85005 - **\$60.25**

50 lbs. - C85050 - **\$582.75**

Covington's high quality optical grade cerium is excellent for polishing glass. One of the best all purpose polishes, cerium will polish quartz, agate, opal, obsidian, etc.



Tripoli Polish

1 lb. - TTP001 - **\$4.50**

5 lbs. -TTP005 - **\$20.25**

50 lbs. - TTP050 - **\$145.00**

A great pre-polish, cream-colored polishing compound.

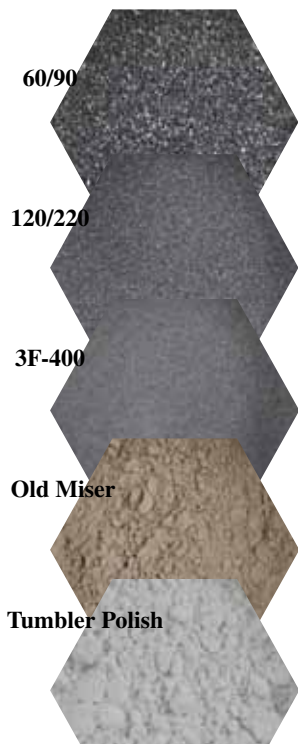
This sampling of stones was tumbled in a **Covington Deluxe Tumbler** using a 5 step tumbling process featuring the **Deluxe Tumbler Grit & Polish Kit**.
See Page 90



Grit, Polish,
& Media.



Grit & Polish Kits



Starter Grit & Polish Kit SGPK01 - \$23.95

Kit Includes: 1 lb. 60/90, 12 oz. 120/220, 12 oz. 3F-400, 6 oz. Old Miser, & 6 oz. Tumbler Polish

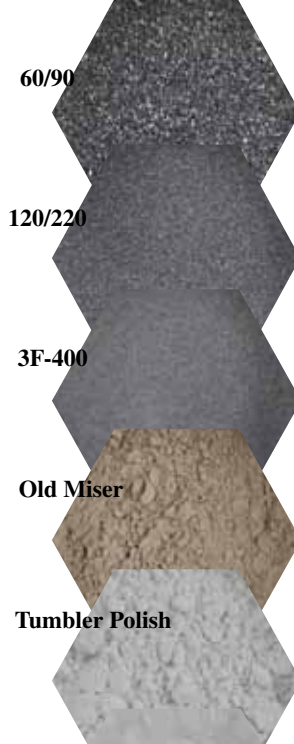
Grit & Polish Kits

1 lb. Kit -TGP001 - \$29.25

5 lb. Kit -JGK005 - \$126.50

Kit Includes: 1 ea. 60/90, 120/220, 3F-400, Old Miser, & Tumbler Polish

(1 lb. Kit comes with 12 oz. Old Miser)



Plastic Pellets

Gold Polish #1

Deluxe Tumbler Grit & Polish Kit

1 lb. Kit - DTGP01 - \$42.50

Kit Includes: 1 ea. 60/90, 120/220, 3F-400, 12 oz. Old Miser, Tumbler Polish, Gold Polish #1 & Plastic Pellets



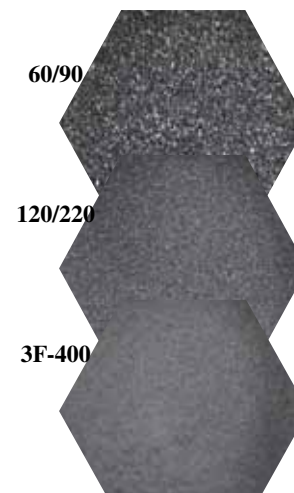
Plastic Pellets

Tumbler Grit & Polish Kit

1 lb. Kit - TGK001 - \$35.00

5 lb. Kit - TGK005 - \$145.00

Kit Includes: 1 ea. 60/90, 120/220, 3F-400, 12 oz. Old Miser, Gold Polish #1, & Plastic Pellets



Lapping Grit Kit

1 lb. Kit - LGK001 - \$15.50

5 lb. Kit - LGK005 - \$62.50

Kit Includes 1 ea. 60/90, 120/220, & 3F-400 Silicon Carbide Grits

**Grit, Polish,
& Media**

PRO TIP:

Starter Kits run at a slightly discounted rate by comparison to purchasing each item individually. They also include tried and true compounds that are likely to result in a beautiful finished piece.

Specialty Compounds



Tripoli Bar

BTB001 - \$3.75

Eliminates surface scratches. Use with red rouge for a final polish. 12-oz. Bar.



White Rouge Bar

WRB001 - \$11.50

Quickly polishes hard metals such as nickel, steel, chromium, and stainless steel. .84-lb. Bar.



Red Rouge Bar

RRB001 - \$12.25

Use with gold, silver, and soft metals. The red rouge bar is ideal for producing a final high color and luster. 1-lb Bar.



White Diamond Bar

WDB001 - \$4.50

For extra fast cutting of all metals. Use with red rouge. 12-oz. bar.



Wham Bar

WPB001 - \$5.00

Produces an exceptionally fine finish on hard metals such as nickel, steel, chromium, and stainless steel. 4-oz. Bar.



Diamond Compound is available in 5-gram and 10-gram syringes that make application easy. Graduated marks along the side of the syringe indicates amount. Apply the compound in tiny dots and spread evenly across the pad, add a few drops of diamond extender fluid and spread with a fingertip. Rotate the part being ground and check frequently for overheating. Add a drop of extender fluid to cool off the work piece. Recharge the plate only when necessary as the diamond lasts a long time.

Diamond Compound

325g/50 Micron

5 gram -CDC550- \$12.00
10 gram -CDC050- \$22.00

600g/30 Micron

5 gram -CDC530- \$12.00
10 gram -CDC030- \$22.00

1,200g/15 Micron

5 gram -CDC515- \$12.00
10 gram -CDC015- \$22.00

3,000g/6 Micron

5 gram -CDC506- \$12.00
10 gram -CDC006- \$22.00

8,000g/3 Micron

5 gram -CDC503- \$12.00
10 gram -CDC003- \$22.00

14,000g/1 Micron

5 gram -CDC501- \$12.00
10 gram -CDC001- \$22.00

50,000g/0.5 Micron

5 gram -CDC505- \$12.00
10 gram -CDC005- \$22.00

100,000g/0.25 Micron

5 gram -CDC525- \$12.00
10 gram -CDC025- \$22.00



Use Diamond Extender Fluid to spread diamond compound on polish plate and to keep the plate and work piece from overheating.

Extender Fluid

2 oz. - DEF200 - \$5.25



Cerium & Spray Bottle

CSB001 - \$7.00

Spray Bottle Only -CSB032- \$3.50



Grit & Polish Brushes

GPB649 - \$2.50

Set of 6 brushes for grit & polish application

Grit, Polish,
& Media



Electrical Supplies



Covington's Motors are U.L. listed with a 3-prong switch cord. DANGER: Thermal protected motors will stop if overloaded. If the motor stops, shut-off electrical supply switch, otherwise motor will restart automatically.

Motors ship with an electric cord, pulley and v-belt unless sizes are not specified.

*Please state motor model, pulley size, and belt size when ordering.

Standard Motors

110V, 60Hz - 1/3 hp - 1725rpm
Commercial Duty Motor
MTR534 - \$175.00

220V, 50Hz - 1/3 hp - 1425rpm
Commercial Duty Motor
MTRH81 - \$266.00

110V, 60Hz or 220V, 50Hz
1/2 hp - 1725rpm
Capacitor Start Motor w/
Thermal Protection
MTR199 - \$275.00

110V, 60Hz - 1 hp - 1725rpm
Capacitor Start Motor w/
Thermal Protection
MTR321 - \$325.00

110V, 60Hz - 1 hp - 1725rpm
Capacitor Start Motor
MTR922 - \$350.00



This Transformer changes 220/240V to 110/120V. These voltage converters will handle either 200 or 300 watts or approximately 2 or 3 amps and can run some of our smaller machines in other countries.

Transformers

200W
CVT200 - \$35.00

300W
CVT300 - \$39.00



The Moffatt Task Lamp is designed for rugged, industrial use. It features a cool outer shade, a tough 24" durable flex arm, quick coupler base, quality workmanship, durable construction and an innovative design.

Moffatt Task Lamp
CML100 - \$65.00



This Ground Fault Circuit Interrupter is designed with your safety in mind. Just plug your sander or other wet grinder into one of these portable GFCI Plugs and it will trip if it gets wet! This unit plugs right into your outlet effectively converting your outlet to GFCI.

GFCI Plug
CGFCI1 - \$30.00



8' 18-3 Electric Cord
w/ Inline Switch
ESC732 - \$18.00



Tumbler Motor w/ Stud Mount - 1/21 hp - 1550rpm
(for 250, 251, 254, 255, 257, 258, & 259TUM)

110V, 60Hz
MTR618 - \$125.00

220V, 50Hz
MTR552 - \$135.00



Vibrating Lap Motor w/ Stud Mount - 1/21 hp - 1550rpm
(for 392, 394, & 396AVL)

110V, 60Hz
MTR004 - \$135.00

220V, 50Hz
MTR001 - \$145.00



Tumbler Motor w/ Base Mount - 1/6 hp - 1550rpm
(for 252, 253, & 256TUM)

110V, 60Hz
MTR580 - \$140.00

Misc.
Supplies

Flanges & Spacers



494 & 495 Steel Spacer
1-3/8" + x 5/8" Bore
CMS375 - \$9.95



Aluminum Flange for 497
(w/ 2 set screws)
1-1/2" x 5/8" wide x 1/2" arbor
CMA205 - \$7.50



**3/8" Wide Milled
Aluminum Flanges**

3" - CMA300 - \$21.00

4" - CMA400 - \$25.00

5" - CMA500 - \$29.00

6" - CMA600 - \$33.00

Specify Arbor Size: 1" or 3/4"



**3/16" Wide Stamped Metal
Flange**

1-1/2" x 3/8"
SMF150 - \$3.00

2" x 1/2" or 5/8"
SMF200 - \$3.00



CEC Cast Aluminum Flanges
(w/ 2 set screws)
2-3/4" x 3/4" wide
CCA275 - \$10.95

Available Bore Sizes: 1/2", 5/8",
3/4", & 1"



Die Cast Aluminum Flange
2-7/8" x 7/16" wide
CDA278 - \$6.00
Available Bore Sizes: 5/8", 3/4",
& 1"



494 & 495 Wheel Flange
CMF375 - \$7.50



2 - Steel Shelby Spacer
1-1/2" x 1/4" wide lip x 1"
arbor w/ spacer tube
CSS100 - \$25.00



**2 - Aluminum Flange w/ Steel
Spacer 2-3/4" x 1-1/2" +**
CSS300 - \$25.00

Available Bore Sizes: 5/8", 3/4",
& 1"



**Aluminum Flange for 494 &
495 (w/ 2 set screws)**
2" x 5/8" wide x 5/8" bore
CMA258 - \$7.50

Misc.
Supplies



Pulleys & V-Belts



"A" V-Belts

21" - A4L210 - \$7.50
23" - A4L230 - \$7.50
25" - A4L250 - \$7.50
26" - A4L260 - \$7.50
27" - A4L270 - \$7.50
28" - A4L280 - \$7.50
29" - A4L290 - \$7.60
30" - A4L300 - \$7.85
31" - A4L310 - \$8.45
32" - A4L320 - \$8.55
33" - A4L330 - \$8.70
34" - A4L340 - \$9.05
35" - A4L350 - \$9.25
36" - A4L360 - \$9.25
37" - A4L370 - \$9.60
38" - A4L380 - \$9.60
39" - A4L390 - \$10.05
40" - A4L400 - \$10.05
41" - A4L410 - \$10.20
42" - A4L420 - \$10.20
43" - A4L430 - \$10.85
44" - A4L440 - \$10.85
45" - A4L450 - \$11.25
46" - A4L460 - \$11.25
47" - A4L470 - \$11.50
48" - A4L480 - \$11.50
49" - A4L490 - \$11.70
54" - A4L540 - \$12.25
55" - A4L550 - \$12.35
57" - A4L570 - \$12.60
58" - A4L580 - \$12.70
59" - A4L590 - \$12.85

*Please note that other belt sizes are available, call for a quote and availability.

Variable Speed Pulley
TBR030 - \$100.00
Available in 1/2" & 5/8"

Step Pulleys

2"-3" - \$42.00
5/8" Bore - SCZ300
3/4" Bore - SCZ301
3"-4"-5" - \$45.00
5/8" Bore - SCZ500
1" Bore - SCZ501
4"-5"-6" x 5/8" - \$55.00
5/8" Bore - SCZ630

Cast Iron Pulley

5.60" - SAK560 - \$48.00
6.40" - SAK640 - \$52.00



Tumbler V-Belts

18" V-Belt
1/21 hp Rolling Tumbler V-Belt
MVB180 - \$6.50
(For 251, 254, 255, 257, 258, & 259)
22" V-Belt
1/6 hp Tumbler V-Belt
MVB220 - \$8.50
(For 252, 253, & 256)
20" V-Belt
Deluxe 250 Tumbler V-Belt
MVB200 - \$6.50
(For 250TUM)

"A" V-Pulley

*1-1/2" - AVP015 - \$7.75
*2" - AVP020 - \$8.25
*2-1/2" - AVP025 - \$8.50
3" - AVP030 - \$9.50
3-1/2" - AVP035 - \$10.50
4" - AVP040 - \$12.00
4-1/2" - AVP045 - \$14.25
5" - AVP050 - \$15.50
6" - AVP060 - \$18.75
8" - AVP080 - \$24.75
10" - AVP010 - \$38.00
12" - AVP012 - \$46.50

Pulleys are 1/2" wide. A * Indicates pulleys which are only available in 1/2" or 5/8". Other pulley sizes are available. Call for quote and availability.

Tumbler Pulleys

1/6 hp Motor Pulley
1" x 3/8" - PUL098 - \$5.25
(For 252, 253, & 256)
1/21 hp Motor Pulley
7/8" x 1/4" - PUL459 - \$6.50
(For 250, 251, 254, 255, 257, 258, & 259)
Deluxe Tumbler Driven Pulley
3-1/2" x 3/8" - PUL350 - \$8.75
(For 250TUM)
Rolling Tumbler Driven Pulley
3" x 1/2" - PUL300 - \$8.75
(All Models #251-259)

1725rpm motors

Driven Pulleys

Drive Pulley	1-1/2"	1-3/4"	2"	3"	4"	5"	6"	8"	10"	12"
1-1/2"	1725	1440	1230	785	575	455	380	280	220	185
1-3/4"	2070	1725	1475	940	690	545	450	335	265	220
2"	2410	2010	1725	1100	805	635	626	390	310	255
3"	3800	3160	2700	1725	1265	1000	825	615	485	405
4"	5180	4310	2695	2360	1725	1360	1125	835	655	550

Read speed data chart by bringing the vertical drive pulley size and the horizontal driven pulley size together for the given rpm. Example: 2" drive pulley and 3" driven pulley equals 1100rpm. Data is approximate.

Arbors



CAR110 - \$40.00
5/8" Smooth Shaft
6-1/4" Overall Length
5/8" x 1-3/4" Pulley End
3" Mounting Hole Spacing
1/4" Hole Diameter



CAR120 - \$40.00
5/8" Smooth Shaft
6-1/4" Overall Length
5/8" x 1-3/4" Pulley End
3" Mounting Hole Spacing
1/4" Hole Diameter



CAR13R - \$50.00
5/8"-18RHT
5-1/2" Overall Length
5/8" x 1-3/4" Pulley End
3" Mounting Hole Spacing
1/4" Hole Diameter
1/8" Max. Space between 2" Flanges



1/2"-20RHT
CAR16R - \$65.00
1/2"-20RHT
1-3/4" Pulley End
3" Mounting Hole Spacing
1/4" Hole Diameter
2" Flange



5/8"-18RHT
CAR17R - \$65.00
5-1/2" Overall Length
5/8" x 1-3/4" Pulley End
3" Mounting Hole Spacing
1/4" Hole Diameter
1-1/8" Max. Space between 2" Flanges



Maxi Lap Replacement Arbor
CAR16RS - \$65.00
1/2"-20RHT
1-3/4" Pulley End
3" Mounting Hole Spacing
1/4" Hole Diameter
2" Flange
Threaded end is cut to work with Maxi Lap series units.



Sander Arbors
Upper -CAR18U- **\$44.00**
3/8" Pulley End
Lower -CAR19L- **\$42.00**
1-1/2" Pulley End

All Covington sanders utilize the same upper and lower arbors. Both upper and lower arbors feature a 5/8" smooth shaft and a 5" over all length. The mounting holes are 3" apart and have a 1/4" diameter.



700 Replacement Arbor
CAR15R - \$199.00
1"-14RHT
1" x 1-1/2" & 3/4" x 1-1/4" on Pulley End
11-1/2" Over All Length
3-1/2" x 3-1/4" Mounting Hole Spacing
3/8" Hole Diameter
1/4" Max. Space between 3" Flanges



1510 Replacement Arbor
CAR14L - \$52.00
5/8"-18LHT
1-3/4" Pulley End
5-1/2" Over All Length
3" Mounting Hole Spacing
1/4" Hole Diameter
1/8" Max. Space between 2" Flanges



Newly Redesigned!
1100 Replacement Arbor
CAR14R - \$69.00
5/8"-18RHT
1-3/4" Pulley End
5-1/2" Over All Length
3" Mounting Hole Spacing
1/4" Hole Diameter
1/8" Max. Space between 2" Flanges
6061 Aircraft Aluminum with two separated bearings for stability!

Misc.
Supplies



Bearings



Rociprolap Plate Bearing
CRLB01 - \$12.50
Unit requires 1



16" Lap Bearings
(2 bolt w/ 1" arbor)
SRF161 - \$95.00
Unit requires 2



700 Series Saw Arbor Bearing
SLS700 - \$27.50
Arbor requires 2



Rociprolap Base Bearing
CRLB02 - \$13.50
Unit requires 2



Bronze Pillow Block Bearing
BPB531 - \$20.00

Pillow Block Bronze Bearings are self-aligning and feature a large oil reservoir, thick rubber mounting grommets, and mounts spaced 3" apart. Bronze bearing comes in 1/2", 5/8", 3/4", and 1" bore. Please specify size when ordering.



12", 18", & 24" Lap Bearings
LB4B16 - \$70.00

These heavy duty Japanese bearings have proven their durability and longevity time and again. Buy with confidence. These feature 4 bolt pattern and 1" arbor. Each lap requires two bearings.



Deluxe 250 Nylon Bearing
DNB038 - \$1.50
(For 250TUM) Unit Requires 2



Vertical Arbor Bearing
1" Arbor
SRC160 - \$45.00

6" Combo Bearing
5/8" Arbor
RUBRS1 - \$40.00

8" Combo Unit Bearings
1" Arbor
LRCS16 - \$42.00



268TUM Bearing x 5/8" Bore
SRF160 - \$36.00
Unit requires 4



Rolling Tumbler Nylon Bearing
DNB012 - \$1.50
(All Models #251-259)
Unit Requires 4

Misc.
Supplies

Plumbing



1-5/8" Aluminum Tubing
CAT158 - **\$1.00**
Aluminum tube for manifold spacing.



10' of 1/4" Plastic Tubing
CPT014 - **\$3.75**
Polyethylene tubing for water hook up.



Single 'L' Union
BLU654 - **\$4.75**
For connecting 'T' valves into manifolds.



Felt Pad
Square - FELTVS - **\$1.00**
Rectangle - FELTHS - **\$1.50**



10' of 5/8" Plastic Tubing
CPT058 - **\$6.25**
Polyethylene tubing for drain kit.



Single 'T' Union
BLU644 - **\$6.25**
For connecting two or more pieces into a manifold.



Water Only Pump
CSP806 - **\$55.00**
Covington's Submersible Pump will pump 200 gallons per hour at 1-foot or 105 gallons per hour at 5-feet. Comes with tubing.

Standard Drain Kit
3/8" - CDK38P - **\$15.50**
1/4" - CDK142 - **\$15.50**
For use with Sanders and Grinders. Kit comes with 6' of tubing and a 3/8" or 1/4" pipe adapter.

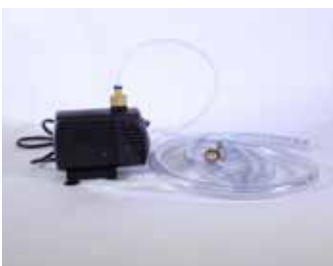
Maxi Lap Drain Kit
CDK14P - **\$25.00**
For use with Maxi Laps. Kit comes with 6' of tubing and a 1/4" pipe adapter.



Spray Nozzle
CSN808 - **\$3.95**
Screws onto the bottom of 'L' Valve



Oil & Water Pump
CSP805 - **\$100.00**
Covington's Submersible Pump will pump 200 gallons per hour at 1-foot or 105 gallons per hour at 5-feet.



Plumbing Kit for Sanders & Combination Units
Combo -PLUKIT- **\$68.00**
Vertical -WBSKIT - **\$68.00**
Horizontal -WBSKTH - **\$68.00**
Kit includes water pump, drain kit, 1/4" tubing, and 1/4" brass insert.



Single 'L' Valve
Valve Only - BLV488 - **\$8.00**
Valve & Nozzle -BLVN48- **\$11.95**
For single wheel hoods and sanders.



Plumbing

Drill Head Assembly

Covington's new Water Feed Drill Assembly features a through shaft water feed that provides water directly to the core drill while flushing debris away from the work area. Never use a household water source; use a submersible pump to supply water to the system. Available in two options: 3/4"-12 female threading for brass core drill inserts, or with collet for a variety of core drill shank sizes.



Belgium Style Water Feed Drill Assembly
CWFA01 - \$165.00



Water Feed Drill Assembly #2 w/ Collets
CWFA02 - \$200.00

Price includes a set of collets. Shaft is NOT stainless steel and should be used with a koolerant.



5 Port Manifold
Standard Style (Pictured)
CM5000 - \$75.00

Build-your-own Style
(All Parts included)

CM5001 - \$160.00

Complete (Assembled)

CM5002 - \$200.00

This 5-Port Manifold has 3/8" NPT inlet and 1/4" NPT Outlet

Water Manifolds

Covington's Water Manifold is designed to mount to the side of any Covington machine that requires a constant stream of water utilizing four mounting holes. Four 1/8" Pipe threaded holes allow any combination of water input and output ports. Manifold comes with one (1) brass input valve, 12-inches of loc-line® flexible water tubing, one (1) loc-line® spray nozzle, one (1) loc-line® connector, one (1) loc-line® in-line valve, and two (2) plugs.



Complete Water Manifold w/ 12" of Loc-line
CWM012 - \$30.00
Extra 12" of Loc-line - \$15.00



*Two Lengths of 18" Pictured

Complete Water Manifold w/ 36" of Loc-line
CWM036 - \$50.00



3 Port Manifold
Standard Style (Pictured)
CM3000 - \$60.00

Build-your-own Style
(All Parts included)

CM3001 - \$132.00

Complete (Assembled)

CM3002 - \$175.00

This 3-Port Manifold has 3/8" NPT inlet and 1/4" NPT Outlet



Covington's Pressure Tank is ideal for the small workshop or wherever there is no water supply handy. Just fill the tank with water, hook up to brass valve, and pump. Works excellent on all Covington equipment with a valve and spray nozzle.

2 Gallon Pressure Tank
CPT200 - \$25.00



The Complete Submersible Pump/Tank is a self-contained pump system that can eliminate city water hook-up for grinding units or supply mixed Koolerant and light mineral oil to diamond saws. This unit has large capacity tank with two graduated dividers to separate sediment, and 10 feet of 3/8" vinyl tubing. Wheels on the tank make moving it easy. All pumps operate on 110V, are supplied with 3 prong grounded plug and cord (CSP805 pump), and pump 200GPH at 1ft, 105GPH at 5-feet. The tank holds approximately 17.5-gallons.

Complete Submersible Pump/Tank Unit
CKP620 - \$350.00

Rockhound Tools



22 oz. Rock Pick
ERP022 - \$43.00



14 oz. Rock Pick
ERP014 - \$41.50



Belt Sheath #4 Chisel Tip
ERS004 - \$11.00



22 oz. Long Rock Pick
ERP023 - \$49.50



Rock Chisel
ERC008 - \$23.50



Hoe Pick
EGP100 - \$82.00



2 Pound Crack Hammer
ECHB32 - \$41.00



Rock Chisel
ERC009 - \$23.50



Rock Pry Bar
RPB001 - \$24.00
*Not Estwing brand



3 Pound Crack Hammer
ECHB33 - \$41.25



Rock Chisel
ERC012 - \$23.50



Gold Pans

10" -CGP010- \$12.00

12" -CGP012- \$14.00

14" -CGP014- \$16.00

16" -CGP016- \$18.00



4 Pound Crack Hammer
ECHB34 - \$46.50



Belt Sheath #3 Pointed Tip
ERS003 - \$11.00

Rockhound
Tools



Rockhound Tools



Dop Wax

Green

CDW624 - \$17.00

Green Dop Wax has been the industry standard for many years. It has a very strong bond and softens at 150 degrees Fahrenheit.

Black

CDW625 - \$17.00

Black Dop Wax is an extra strong, high temperature facet wax that softens at 170 degrees Fahrenheit.



Dop Stove

EDS083 - \$55.00

Covington's Electric Dop Stove comes complete with a removable copper pot and operates on 110V, 60Hz current.

It consumes no more energy than a 50-watt bulb. Allow 15 minutes for dop wax to reach the proper temperature. Dop stove will maintain the proper temperature for as long as it is in operation. This unit can also be used as a pickling pan and wax heater for silversmiths and jewelry designers.



Covington's Gem Templates are a basic piece of lapidary hardware used to scribe cabochon shapes on rock slabs prior to trim sawing. The colorful, easy-to-recognize, .030 thick, anodized aluminum templates are rigid, and excellent for quick measuring or stenciling. Both sides of a cabochon may be scribed by placing a slab between two connected templates (doubles) and outlining each side. Grinding proceeds faster and more accurately using this method.

Gem Templates

Blue - Ovals & Circles

Single - CGT325 - \$6.00

Double - CGD325 - \$13.00

Plastic - CPT345 - \$4.00

Gold - Squares & Rectangles

Single - CGT326 - \$6.00

Double - CGD326 - \$13.00

Plastic - CPT346 - \$4.00

Red - Hearts & Misc.

Single - CGT327 - \$6.00

Double - CGD327 - \$13.00

Plastic - CPT347 - \$4.00

Set of 3 Single Templates w/ Aluminum Scribe

Aluminum - CGT328 - \$17.00

Plastic - CPT328 - \$11.00



Dop Sticks

HDS625 - \$3.50

A set of 10 - 4" long hard wood dop sticks. This kit contains 2 each: 1/8", 1/4", 5/16", 3/8", and 1/2" diameters.



Extra Copper Pot

CDP084 - \$24.00



This deck of Playing Cards is a great gift idea for the rockhound in your family. Each card features a different rock or mineral.

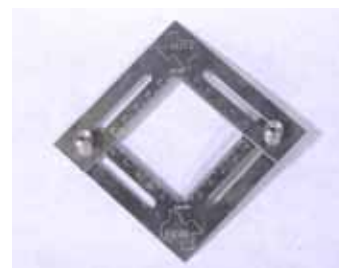


Aluminum Scribe

TAP626 - \$1.50

Playing Cards

RCARDS - \$5.35



Rock Marking Template

CRM350 - \$6.00

Rockhound Tools



Covington's original full-length Light Duty Shop Apron is made of vinyl for lasting durability. We now offer a dark green Heavy Duty Shop Apron that is cloth lined and designed to last longer than the light duty vinyl. Tie cords provide universal fit for all sizes. A handy pencil pocket is sewn into the light duty apron. Both are light in weight, pliable, and resist cracking in temperatures as low as 32 degrees Fahrenheit. A damp cloth is all that is needed to keep yours looking bright and clean.

Shop Aprons

Light Duty - \$5.25

Original Logo - CSA001

Modern Logo - CSA002

World Logo - CSA003

Heavy Duty - \$17.95

Modern Logo - CHDA01

World Logo - CHDA02



The Moffatt Task Lamp is designed for rugged, industrial use. It features a cool outer shade, a tough 24" durable flex arm, quick coupler base, quality workmanship, durable construction and an innovative design.

Moffatt Task Lamp CML100 - \$65.00



OptiVISORS® feature optical glass prismatic lenses, ground and polished to precision optical standards, with a beveled edge that mounted in an interchangeable plastic frame. This unit features adjustable pivots that allow the visor to be tilted out of the way and at your fingertips when you need magnification. The adjustable headband conforms to fit all head sizes. A genuine leather comfort band is padded with orthopaedic felts to add comfort. Fabricated from a special blend of lightweight material, the band is comfortable when worn for long periods of time. The high impact visor provides a tough, durable, always new appearance.

OptiVISORS®

1-1/2X @ 20" Magnification

Visor & Lens -DDA002- \$50.00

Lens Plate - DLP002 - \$32.00

1-3/4X @ 14" Magnification

Visor & Lens -DDA003- \$50.00

Lens Plate - DLP003 - \$32.00

2X @ 10" Magnification

Visor & Lens -DDA004- \$50.00

Lens Plate - DLP004 - \$32.00

2-1/2X @ 8" Magnification

Visor & Lens -DDA005- \$50.00

Lens Plate - DLP005 - \$32.00

2-3/4X @ 6" Magnification

Visor & Lens -DDA007- \$52.00

Lens Plate - DLP007 - \$35.00

3-1/2X @ 4" Magnification

Visor & Lens -DDA010- \$52.00

Lens Plate - DLP010 - \$35.00

OptiLOUPE® Monocular

DOL001 - \$12.00

Attachable Lens, adds 2-1/2X to all Models



The 60g Block will true up the flat face of grinding, smoothing, cork, and felt wheels. After the wheel is true, smooth the face with a 220g Block.

60g Silicon Carbide Block SCB518 - \$12.25



Diamond T-Bar Dresser CTB200 - \$15.00



Sperian® Millennia Sport™ Protective Eyewear features a polycarbonate, scratch-resistant lens with a curved temple and universal nose bridge. These goggles come with an adjustable, break-away retainer. ANSI Z87.1-2003, CSA Z94.3-2002, 99.9% UV Protection.

Recommended for all grinding applications.

Remember to always wear eye protection.

Safety Glasses CSG015 - \$6.25



Rockhound Tools



- ✓ **Lightweight water attachment with adjustable valve**
- ✓ **Includes ground fault circuit interrupter**
- ✓ **Backing plate included**
- ✓ **Durable universal motor operates on standard house current**
- ✓ **Compact tool with ergonomically designed sure-grip handle**

The MK-1503-S Wet Polisher is ideal for handheld grinding and polishing of gemstones, rock materials, marble, and granite. The handheld grinder attaches to a standard hose to enable the unit to dispense a steady flow of water through a control valve to the work piece. The MK-1503-S comes with a water hose connector, GFCI, and spanner wrenches. No kit included.

MK Wet/Dry Grinder
CMK150 - \$425.00



1/2" Telescopic Bushing
CYB012 - \$1.00

3/4" Telescopic Bushing
CYB034 - \$1.00

1" Telescopic Bushing
CYB001 - \$1.00



The Diamond Polishing Discs utilize the hook-and-loop attachment style. They are flexible and designed to achieve a scratch-free, highly polished finish on all straight or contoured granite and marble edges. The looped backing allows for fast disc changes with a hooked rubber backing plate. The disc backs are color-coded for easy grit size identification. The kit includes one disc of each grit.

Maximum speed is 3700rpm.

These are NOT MK BRAND.

****Please note:** The diamond grit is embedded in the resin side of these discs. They must be used wet or the resin will quickly overheat which ruins the polishing disc.**

Diamond Polishing Discs

Dark Blue/50g
DPP005 - \$10.00

Red/100g
DPP010 - \$10.00

Orange/200g
DPP020 - \$10.00

Light Blue/400g
DPP040 - \$10.00

Green/800g
DPP080 - \$10.00

Light Green/2,000g
DPP200 - \$10.00

Set of 1 Each Diamond Disc (no felt or backing plate)
DPS001 - \$55.00

PRO TIP:

Dressing your silicon carbide wheels keeps them cutting effectively.



- ✓ **Great for hand carving and shaping**
- ✓ **Foot pedal for speed control**
- ✓ **Includes 35 assorted accessories!**

The Foredom Craft Kit is "The Standard" worldwide for professional jewelers, craftsmen and industrial users. It features a 1/10hp ball bearing motor and EC-1 foot control with dependable, long lasting performance under all kinds of conditions and applications. This complete Foredom package includes their most popular machine and accessory kit #20. It comes with 35 assorted accessories including cutters, burs, mounted points and abrasive wheels. It is suitable for a full range of precision operations on wood, metal, plastic, leather, glass, stone, and more.

Foredom Craft Kit
CK2272 - \$358.00



4" Felt for Grinder
FPP004 - \$40.00



Rubber Backing Plate
DBP001 - \$24.00

CHOOSING AND USING WHEELS

CHOOSING WHICH WHEEL IS RIGHT

Covington offers a variety of diamond wheels to accommodate a range of grinding and polishing needs.

RESIN & REZ WHEELS: The most common purchases for diamond wheels are the diamond resin wheels which are a low cost, high quality option for smoothing and pre-polishing stones. These are the same ones that come standard on the Cab King units and are an excellent choice for cabbing and contour smoothing. These wheels have a soft backing which provides flexibility while allowing for softer curves due to the wheel's forgiving surface. Diamond REZ wheels are similar to the resin wheels but they have a premium resin binder that allows for a longer wheel life. These slightly more aggressive wheels require a small amount of breaking in for optimum use.

ELECTROPLATED DIAMOND WHEELS: Standard Diamond Wheels are the grinding wheels featured on Covington's combination and grinding units. These electroplated wheels are balanced for smooth operation and the nickel bonded diamond is an excellent choice for grinding and shaping stones. The hard backing of an electroplated wheel makes them a great choice for projects that require shaping such as cabbing. The inflexible wheel backing makes this kind of diamond wheel much more aggressive than a resin wheel. Textured Diamond Wheels are similar to the standard wheel in that they are electroplated and designed for shaping and grinding. Textured wheels have a cross-hatch texture on the surface which allows for easier washout of sediment when grinding. Arguably, textured wheels are more aggressive than standard wheels because the sediment is less likely to build up on the wheel's surface which can prevent an effective grind.

SINTERED DIAMOND WHEELS: Covington's sintered diamond wheels are the most cost-effective grinding wheel. Under proper care, these wheels will outlast any of the other diamond wheels. Our new Ultimate Sintered Diamond wheel is a Covington exclusive. With more than 3/16 of an inch of 100% concentrated diamond sintering, these wheels are truly a step above the competition. The diamond is dispersed evenly throughout the sintering and balanced for smooth operation. Customers are writing rave reviews about this wheel and how well it grinds and shapes their pieces (see the Covington blog on our website www.covington-engineering.com for a more detailed review of these new wheels).

SILICON CARBIDE WHEELS: Although the price gap between diamond and silicon carbide wheels has decreased in the last decade, silicon carbide wheels are still a great lower cost option for grinding and shaping stone work pieces. Several of the Covington grinders and combos are still available with a silicon carbide wheel option. These wheels are an effective and more economical choice for many consumers.

CORK & FELT WHEELS: Covington has several sizes available in cork and felt wheels for polishing glass. Use cork in combination with pumice for a hazy finish. Use felt with cerium for an optical finish on your glass. These wheels are a dense construction and are designed to last.

EXPANDABLE DRUMS: Covington's expandable drums are designed for use with either diamond or silicon carbide sanding belts. These wheels are a great choice for contour grinding and pre-polishing. Simply slip your sand belt into place, turn the unit on, and the wheel is ready to use! These economically priced wheels are featured on Covington's two station and four station expandable drum units.



Wheels



These Covington exclusive sintered wheels are of the highest quality. They feature more than 3/16" of 100% diamond concentrated sintering. Balanced for smooth performance, this wheel will last consumers longer than electroplated diamond wheels. All wheels are 1-1/2" wide.

Ultimate Sintered Diamond Wheels

30g

6" -USW603- **\$420.00**
8" -USW803- **\$560.00**

60g

6" -USW606- **\$420.00**
8" -USW806- **\$560.00**

80g

6" -USW608- **\$400.00**
8" -USW808- **\$550.00**

100g

6" -USW610- **\$400.00**
8" -USW810- **\$550.00**

140g

6" -USW614- **\$400.00**
8" -USW814- **\$550.00**

200g

6" -USW622- **\$380.00**
8" -USW822- **\$520.00**

270g

6" -USW627- **\$380.00**
8" -USW827- **\$520.00**

360g

6" -USW636- **\$380.00**
8" -USW836- **\$520.00**

600g

6" -USW660- **\$380.00**
8" -USW860- **\$475.00**



6" x 1/2" - 100g
SC1605 - **\$48.00**

6" x 1"
100g -SC1610- **\$55.00**
220g -SC2610- **\$60.00**



Covington's 6" x 1-1/2" and 8" x 1-1/2" Standard Diamond Grinding Wheels are an excellent way to pre-form rough stone and glass material. These solid steel wheels are balanced and nickel electroplated to lengthen wheel life. These are the same heavy-duty wheels mounted on all Covington diamond grinding units.

Standard Diamond Wheels

60g

6" -DW6060- **\$135.00**
8" -DW8060- **\$180.00**

80g

6" -DW6080- **\$126.00**
8" -DW8080- **\$166.00**

100g

6" -DW6100- **\$117.00**
8" -DW8100- **\$153.00**

180g

6" -DW6180- **\$114.00**
8" -DW8180- **\$150.00**

220g

6" -DW6220- **\$114.00**
8" -DW8220- **\$150.00**

360g

6" -DW6360- **\$108.00**
8" -DW8360- **\$144.00**

600g

6" -DW6600- **\$99.00**
8" -DW8600- **\$135.00**



8" x 5/8"

100g -SC1858- **\$60.00**
220g -SC2858- **\$65.00**

8" x 1-1/2"

100g -SC1815- **\$95.00**
220g -SC2815- **\$105.00**



Covington's 6" x 1-1/2" and 8" x 1-1/2" Textured Grinding Wheels are excellent tools for pre-forming rough stone and glass material. The texturing allows for better sediment wash-out. These balanced, solid steel wheels, are nickel electroplated to provide superior bonding of diamonds and a long life.

Textured Diamond Wheels

60g

6" -TD6060- **\$180.00**
8" -TD8060- **\$225.00**

80g

6" -TD6080- **\$171.00**
8" -TD8080- **\$211.00**

100g

6" -TD6100- **\$153.00**
8" -TD8100- **\$198.00**

180g

6" -TD6180- **\$150.00**
8" -TD8180- **\$186.00**

220g

6" -TD6220- **\$114.00**
8" -TD8220- **\$186.00**

360g

6" -TD6360- **\$144.00**
8" -TD8360- **\$180.00**

600g

6" -TD6600- **\$135.00**
8" -TD8600- **\$171.00**



10" x 3/4"

100g -SC1075- **\$100.00**
220g -SC2075- **\$105.00**

10" x 1-1/2"

220g -SC2015- **\$105.00**

Wheels



Covington's Diamond Resin Wheels are top quality soft wheels. These are the same wheels found on the 6" and 8" Cab Kings. These polishing wheels are an excellent choice for cabbing and contour grinding. All wheels have a 1" arbor hole and can be bushed to 1/2", 5/8", or 3/4" with supplied bushing. Available in 6" x 1-1/2" and 8" x 2" sizes.

Resin Diamond Wheels	
60g	
6" -DRW606-	\$60.00
8" -DRW806-	\$95.00
140g	
6" -DRW640-	\$55.00
8" -DRW840-	\$88.00
280g	
6" -DRW628-	\$55.00
8" -DRW828-	\$88.00
600g	
6" -DRW660-	\$55.00
8" -DRW860-	\$88.00
1,200g	
6" -DRW612-	\$55.00
8" -DRW812-	\$88.00
3,000g	
6" -DRW630-	\$55.00
8" -DRW830-	\$88.00
8,000g	
6" -DRW680-	\$55.00
8" -DRW880-	\$88.00
14,000g	
6" -DRW614-	\$55.00
8" -DRW814-	\$88.00



Covington's Radius Carving and Grinding wheels are designed for carving glass and stone. These electroplated convex diamond wheels are a great, long lasting choice. Available in 6 x 1-1/2" and 8" x 1-1/2" sizes.

Radius Diamond Wheels	
100g	
6" -RD6100-	\$138.00
8" -RD8100-	\$190.00
220g	
6" -RD6220-	\$128.00
8" -RD8220-	\$180.00
360g	
6" -RD6360-	\$110.00
8" -RD8360-	\$170.00
600g	
6" -RD6600-	\$104.00
8" -RD8600-	\$150.00

PRO TIP:

Sintered diamond wheels are a great value due to their long wheel life and outstanding cutting performance.



REZ Wheels are top quality. Similar to the resin wheel, these polishing wheels are an excellent choice for cabbing and contour grinding. REZ wheels feature a premium resin binder that lengthens wheel life but requires a break-in period. All wheels have a 1" arbor and supplied bushing. Available in 6" x 1-1/2" and 8" x 2" sizes.

REZ Diamond Wheels	
60g	
6" -DRZ606-	\$85.00
8" -DRZ806-	\$125.00
140g	
6" -DRZ640-	\$85.00
8" -DRZ840-	\$125.00
280g	
6" -DRZ628-	\$85.00
8" -DRZ828-	\$125.00
600g	
6" -DRZ660-	\$85.00
8" -DRZ860-	\$125.00
1,200g	
6" -DRZ612-	\$85.00
8" -DRZ812-	\$125.00
3,000g	
6" -DRZ630-	\$85.00
8" -DRZ830-	\$125.00
8,000g	
6" -DRZ680-	\$85.00
8" -DRZ880-	\$125.00
14,000g	
6" -DRZ614-	\$85.00
8" -DRZ814-	\$125.00
50,000g	
6" -DRZ650-	\$85.00
8" -DRZ850-	\$125.00



Ultimate Engraving Wheels 4" x 1/4" - Round/Circle	
70/80g	
UWR470-	\$300.00
140/170g	
UWR414-	\$275.00
230/270g	
UWR423-	\$275.00
400/500g	
UWR440-	\$275.00



Ultimate Engraving Wheels 4" x 1/4" - Point/V	
70/80g	
UWP470-	\$300.00
140/170g	
UWP414-	\$275.00
230/270g	
UWP423-	\$275.00
400/500g	
UWP440-	\$275.00



Ultimate Engraving Wheels 4" x 1/4" - Flat/Square	
70/80g	
UWF470-	\$300.00
140/170g	
UWF414-	\$275.00
230/270g	
UWF423-	\$275.00
400/500g	
UWF440-	\$275.00



Wheels

PRO TIP:
Use Feathering Disc Adhesive
to attach your discs to your
aluminum heads



Felt wheels are designed for polishing glass. When combined with cerium oxide, these wheels will give an optically clear finish to your glass. Charge wheels by spinning them and painting the face with a creamy cerium oxide and water solution.

Felt Polishing Wheels

6" x 1"
CFW610- \$48.00
8" x 1-1/2"
CFW815- \$126.00
10" x 2"
CFW102- \$250.00
16" x 3"
CFW163- \$855.00



*Pictured with 1-80g silicon carbide belt on left and 1-1200g diamond belt (blue) on right.

Covington's Expandable Drums feature angled slots through the heavy rubber rim which allow the drum to expand when rotated, thereby locking the belt in place. Belts can be quickly changed by stopping the machine, slipping off the old one and sliding on the new one. In use, the resilient drum surface flexes to the gemstones contour to quickly remove grinding flats. Run at a maximum speed of 1725rpm.

Expandable Drums

6" x 2-1/2"
CED625- \$65.00
8" x 3"
CED830- \$75.00



Covington is proud to announce our all new aluminum heads machined out of solid billet 6061 aluminum. These solid heads are stronger and heavier duty than our old cast aluminum heads. Attach a sanding or polishing disc to the face with "Stick-N-Peel" adhesive and it is ready to use. Allow an additional week for special orders. *Please note when ordering, state left or right hand threads. Not all common thread sizes are listed, but are available for an additional \$10.00 set up fee. Heads are available with or without sponge rubber attached. ***Hard rubber is no longer necessary with these aluminum heads. Just attach your disc directly to the aluminum.*

Aluminum Heads

1/2" Smooth w/ 2 Set Screws
6" -CAH612- \$55.00
8" -CAH812- \$75.00
10" -CAH112- \$110.00
5/8" Smooth w/ 2 Set Screws
6" -CAH658- \$55.00
8" -CAH858- \$75.00
10" -CAH158- \$110.00
1/2"-20 Thread R or L
6" -CAH620- \$55.00
8" -CAH820- \$75.00
10" -CAH120- \$110.00
5/8"-18 Thread R or L
6" -CAH618- \$55.00
8" -CAH818- \$75.00
10" -CAH118- \$110.00
3/4" Smooth w/ 2 Set Screws
6" -CAH634- \$55.00
8" -CAH834- \$75.00
10" -CAH134- \$110.00
3/4"-16 Thread R or L
6" -CAH616- \$55.00
8" -CAH816- \$75.00
10" -CAH116- \$110.00
1" Smooth w/ 2 Set Screws
6" -CAH610- \$55.00
8" -CAH810- \$75.00
10" -CAH110- \$110.00
1"-14 Thread R or L
6" -CAH614- \$55.00
8" -CAH814- \$75.00
10" -CAH114- \$110.00



Replacement Sponge Rubber

6" Square -CSR406- \$2.50
8" Square -CSR408- \$3.50
10" Square -CSR410- \$4.50
3" x 25-1/2" -CSR325- \$4.50



Covington's Lever-Lock Drums are made of sturdy cast aluminum and balanced to reduce vibration. The 3" rim is covered with sponge rubber. The lock area is threaded for setscrew-operated clamp, just loosen to remove the old cloth and retighten to secure the new. This drum comes with a 220g wet/dry sanding cloth installed. *Available in 1/2", 5/8", 3/4", or 1".

Lever Lock Drum

Smooth Bore - Specify Size
LLD452- \$90.00



Cork wheels are designed for polishing glass. When combined with a fine pumice, these wheels will give a cloudy finish to any piece of glass.

Cork Polishing Wheels

6" x 1-1/2"
CCW615- \$95.00
8" x 1-1/2"
CCW815- \$130.00
10" x 2"
CCW102- \$158.00
16" x 3"
CCW163- \$195.00

FedEx Ground Rate Chart

(Please use these rates as a guideline)

Covington charges exact FedEx charges from 92374. current rates available @ www.fedex.com

Weight	Price	Weight	Price	Weight	Price	Weight	Price	Weight	Price
1 lb.	\$9.55	11 lbs.	\$17.89	21 lbs.	\$28.71	31 lbs.	\$40.17	41 lbs.	\$49.85
2 lbs.	\$10.98	12 lbs.	\$18.90	22 lbs.	\$29.97	32 lbs.	\$41.39	42 lbs.	\$50.59
3 lbs.	\$12.05	13 lbs.	\$20.13	23 lbs.	\$31.16	33 lbs.	\$42.11	43 lbs.	\$51.46
4 lbs.	\$13.01	14 lbs.	\$21.29	24 lbs.	\$32.39	34 lbs.	\$43.70	44 lbs.	\$52.00
5 lbs.	\$13.67	15 lbs.	\$22.58	25 lbs.	\$33.59	35 lbs.	\$44.86	45 lbs.	\$52.87
6 lbs.	\$13.79	16 lbs.	\$23.26	26 lbs.	\$34.71	36 lbs.	\$45.75	46 lbs.	\$53.75
7 lbs.	\$14.46	17 lbs.	\$24.14	27 lbs.	\$35.56	37 lbs.	\$46.63	47 lbs.	\$54.62
8 lbs.	\$14.94	18 lbs.	\$25.56	28 lbs.	\$37.15	38 lbs.	\$47.50	48 lbs.	\$55.49
9 lbs.	\$15.73	19 lbs.	\$26.38	29 lbs.	\$37.91	39 lbs.	\$48.48	49 lbs.	\$55.81
10 lbs.	\$16.78	20 lbs.	\$27.60	30 lbs.	\$39.49	40 lbs.	\$48.81	50 lbs.	\$56.66

These prices may vary depending on zone, fuel surcharges, FedEx rate changes, and/or service requested. An additional \$5.00 must be added for all signature required shipments. ****ALL ORDERS OVER \$300.00 MUST SHIP SIGNATURE REQUIRED****

Place in an envelope and send to:

Covington Engineering

Attn: Sales

715 West Colton Avenue

Redlands, CA 92374

USPS Priority Mail Rate Chart

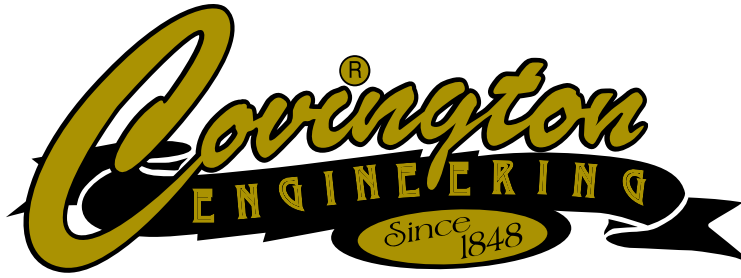
(Please use these rates as a guideline)

Covington charges exact USPS charges from 92374. Current rates available @ www.usps.com

Weight (Not Over)	Zones 1 & 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9
1 lb.	\$6.70	\$7.15	\$7.30	\$7.45	\$7.60	\$7.85	\$8.45	\$10.60
2 lbs.	\$7.25	\$7.70	\$8.75	\$9.85	\$10.65	\$11.80	\$12.90	\$16.85
3 lbs.	\$7.90	\$8.80	\$10.15	\$11.75	\$13.35	\$14.65	\$17.30	\$22.55
4 lbs.	\$8.50	\$9.90	\$11.15	\$13.50	\$16.45	\$18.00	\$20.05	\$26.15
5 lbs.	\$9.85	\$10.95	\$11.95	\$14.15	\$18.70	\$20.65	\$23.15	\$30.25

These prices may vary depending on zone, fuel surcharges, USPS rate changes, and/or service requested.
Insurance may be added to order. For larger orders, a \$2.50 postal fee may be added. ****LIQUIDS CANNOT SHIP USPS****





Lost or Damaged Merchandise

Inspection: Check your shipment carefully when delivered to see that it is in good order and that all cartons are accounted for. When cartons check short or are in bad condition, have the carrier's agent (truck driver) make notation of this fact on the freight bill or receipt, and then he must sign it. If you are afraid of damage REFUSE the shipment and we will get another one out to you.

Concealed Loss or Damage Discovered After Delivery: Loss or damage must be reported to the delivering carrier upon discover, or, in any event, within 15 days of receipt. Also notify Covington's of damaged goods so we can assist in the process. Hold goods, containers, and packing materials in the exact condition as found for inspection by the carrier. If an inspector does not call within 48 hours, request an inspection by certified letter with return receipt. After viewing the damage, the inspector will issue an inspection report. You need a copy to support your claim.

Delivery: Once you accept delivery of the goods, the responsibility for filing a claim for damage, if any, is yours. Failure to properly report loss or damage is generally regarded as indicating complete delivery of freight in good condition.

Filing A Claim: Make your claim promptly. Obtain the proper forms from the carrier. There are specific documents required to support claims. They are: (1) Original Bill of Lading, (2) Original destination freight bill, (3) Original invoice, (4) Correspondence with Covington or the carrier, (5) Concealed loss form or copy of inspectors report, (6) Itemized bill (or estimate) for the cost of repairs. **Billing:** Please do not deduct the amount of loss or damage from Covington's invoice while awaiting adjustment of the claim. We do NOT guarantee safe delivery.

Important: Covington Engineering wants to assist you in every manner possible in collecting claims against carriers for loss or damage, but our willingness to do so does not make us responsible for filing or collecting claims.

Return of Goods (Machines) for Repair: Do not return goods without first securing authorization and shipping instructions from Covington Engineering.

Special Order: Any modification or deletion of parts from a machine as advertised will subject the unit to a 2% service charge.

Prices & Packing Charges

All prices are FOB. Redlands, California and are subject to change without notice. Every effort will be made to maintain the lowest price structure possible. California residents must pay sales tax.

Packing Charge: We no longer charge a 1% Packing and Handling fee!

Warranty & Money Back Guarantee

If you are not completely satisfied after inspecting our purchase, return it unused within 10 days of receiving it and your purchase price will be promptly refunded. For your protection, repack it well. Address it to Covington Engineering Corp. 715 W. Colton Avenue, Redlands, CA 92374. Prepay and insure your shipment and send it back to us. We *will not* charge you the regular 15% inspection, repacking, and restocking charge. Covington Engineering is fully guaranteed by us against defective material and workmanship. If your purchase is defective in any way, we will repair or replace the defective part for one year from the purchase date. The customer is responsible for any transportation, packing, or insurance fees involved. Covington is not responsible for customers not being able to use equipment while parts are being repaired or replaced. ***This guarantee does not cover normal wear and tear, electrical burnouts, damage, alterations, neglect, and other manufacturer's products used or installed on our machines beyond their published guarantee.*** This guarantee applies to all Covington built machines. You can buy Covington equipment with confidence.

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www.covington-engineering.com



QUALITY EQUIPMENT SINCE 1848

