



Faceting Machines

Lapidary machines and accessories. Precision equipment designed for reliability and long service life at reasonable prices.

Facetron Faceting Machine



Facetron is the product of years of research, development and professional testing. With an background in aerospace manufacturing, state of the art technology and thorough knowledge of the art of faceting, the Facetron is the product of a company dedicated to provide you with the finest in faceting instruments.

Features

- Angle Indicator - Digital Readout: Easily readable, repeatable! Direct reading to 1/10 of a degree on angles eliminates the inaccuracy and illegibility of protractors, dials, etc.
- Electronic Speed Control: Smooth, continuous adjustment from 0-1200 RPM, CW or CCW with the flick of a switch. 1/3 hp motor.
- Exclusive Pressure Sensor: Direct visualization of pressure exerted on the dop arm assures uniform facets.
- Acculign Transfer Stand: Unequaled precision. Adjustable transfer block eliminates clumsy and awkward clamps.
- Acculign Index System: Precision index wheels with conveniently located index lever. Freewheeling provisions for preforming.
- Acculign Compounder: Permits minor radial adjustments to correct for errors and for special cuts. Calibrated in 1/4" increments with 2-degree plus/minus range.
- Acculign Dop Chuck: Positive locking action provides the freedom of removing and replacing the dopped stone without realignment. No slippage.
- Finest Material and Craftsmanship: All metal parts are fabricated from anodized aluminum and stainless steel. Lifetime sealed bearings. Durable polyurethane splash pan is easy to clean, protects stones against accidental damage. For 6" or 8" laps.

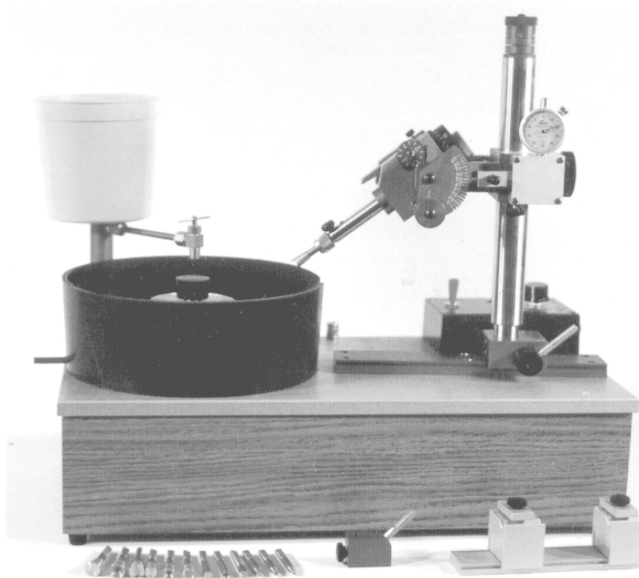
Facetron Complete System contains: set of 15 dops; 45-degree dop; transfer stand; coolant system; and 96-index gear. Ready to run.

With Dial Indicator- \$2495.00

Facet Shoppe:
(360) 443-6313

P O Box 534 Port Burley, WA 98322
September 2011

www.gemcutter.com
E-mail: orders@gemcutter.com



DOPS: 5/16" keyed brass dops-
"flat", "cone", or "V"-
sizes available:
2, 3, 4, 5, 6, 8mm - 10, 12, 15 mm
\$ 3.80 ea. \$ 4.90 ea.

INDEX GEARS: Anodized aluminum.
64, 72, 80, 96, 120
\$ 45.00 each

**Alpha Taurus Faceting Machine
from Imperial Gem Instruments**

Constructed of anodized aluminum, stainless steel, brass, and high precision bearings, no cost-cutting compromises are used in manufacturing this unit. The many features of the Alpha Taurus make it fast and precise:

- 1/2" thick anodized aluminum, surface ground base plate
- Dovetail slide; maintains mast alignment
- Mast: 7/8" stainless steel inner mast and 1-1/8" outer sleeve suspended on ball bearings for support with no backlash or wobble.
- Mast travel micrometer provides vertical travel of 1 inch in .001 increments.
- Mounting yoke lock knob has a quick release feature as well as a safety auto lock.
- Depth dial indicator, accurate to .001"
- Coarse protractor can be latched every 5 degrees for fast angle setting changes.
- Protractor vernier dial sets the angle to .1 deg.
- Quill draw collet- one of the most accurate ways to hold a dop
- Cheater dial provides +/- 6 degree rotation with repeatable home position.
- Variable speed: 0 - 1400 RPM
- 1/6 HP motor, Reversing switch.
- Right and Left Hand models.
- Also includes: Transfer block, table adapter, lamp, water reservoir, drip pan, 96 index gear, and 15 piece dop Stick assortment.
- All this for only: \$ 2600.00

Poly-Metric Faceting Machines:

Scintillator LCD Model:

- Unbelievable dop runout: .0002 max.
- Dial Indicator: Repeat Gauge to be used to read between 1/10-degree increments of the angle display.
- Positive angle stop- Micro fine adjust.
- Radial Index Splitter- +/- 10 degrees
- Micro-height Adjustment- readable to 0.0035" change in height.
- Positive push button- quick height change.
- Accommodates 6 or 8" laps
- 1/4 HP, 0 - 3500 RPM
- 96 index, 12 dops, table dop, transfer fixture, instructions.
- Complete unit **only \$ 3300.00**

Index Gears(32, 60, 64, 72, 80, 96, 120) \$45.00 ea.

Xristal-Tek: Compact!

Comes with dial indicator- repeat gauge, transfer block, 12 dops, table dop, 96 index gear, tools, and instructions.

- 1/6 HP Motor, 0 - 3500 RPM
- Dop run-out adjusted to 0.0002"!
- Micro-Height adjustment
- Index Splitter (Cheater)
- Angle stop in 1/10 degree increments

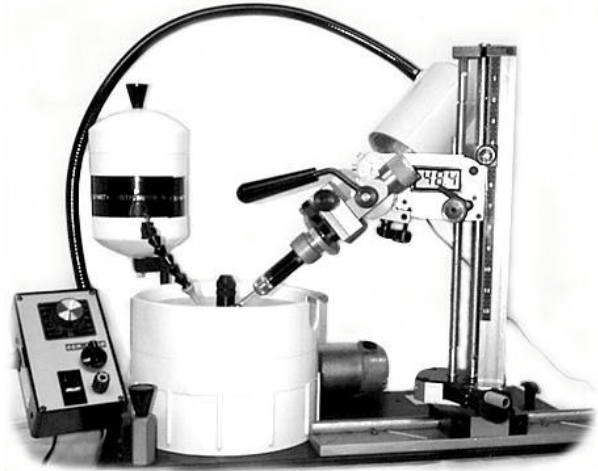
A very precise machine at a reasonable price! Call for additional details!

PM-XT8 \$ 1980.00

Above machine with Digital Readout- displays to 1/10 degree in easy to read 0.7" high characters.

PM-XTD8 \$ 2530.00

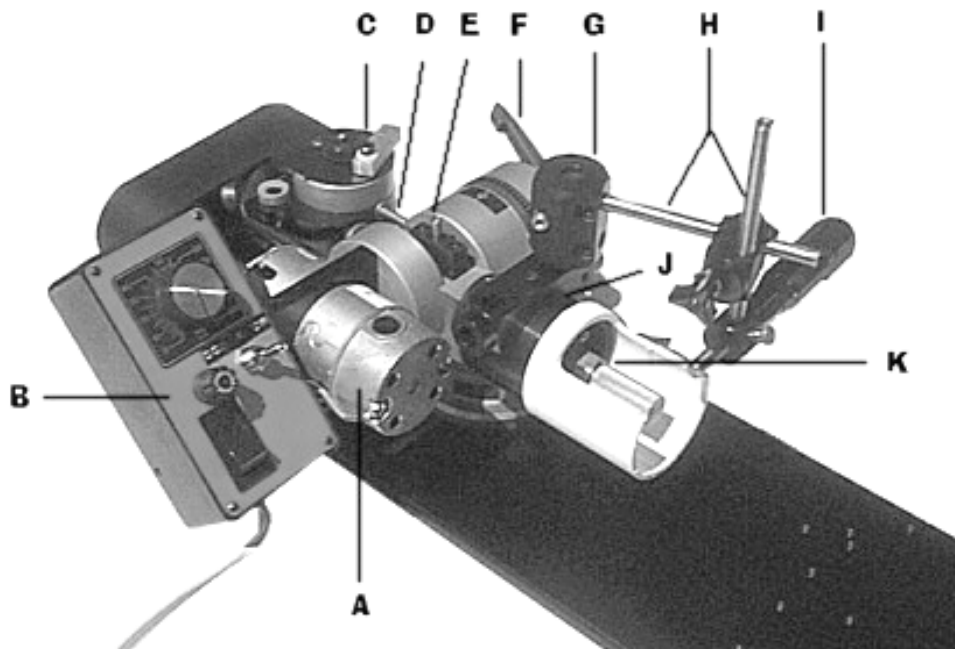
Index Gears(32, 60, 64, 72, 80, 96, 120) \$40.00 ea.



Lamp (optional): **\$ 79.00**
Deluxe Transfer Block **\$ 125.00**
Aluminum Alloy Dops- "flat", "cone", or "V" are available in 1/16, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8, and 1 inch sizes



Poly-Metric O.M.F. Instrument

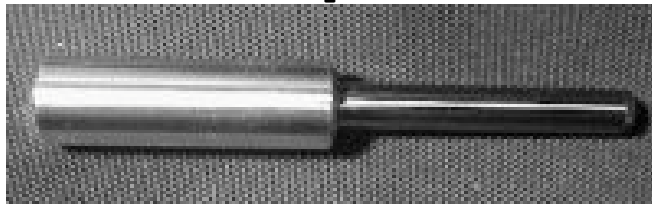


For those not acquainted with the O.M.F., it is a machine that cuts *curved* facets, which can add extra brightness and scintillation to gem designs. That means the design possibilities of gemstones are virtually limitless with this O.M.F. Machine. This machine is used to apply concave facets to gemstones to improve the optical effects. The instrument consists of a grind/polish assembly to which the facet gem from your standard faceting machine is attached.

O.M.F. Machine is priced at **\$1500.00**. Please call for availability.

BATT_(tm) OMF Mandrels

BATT MANDRELS FOR Poly-Metric OMF MACHINES!

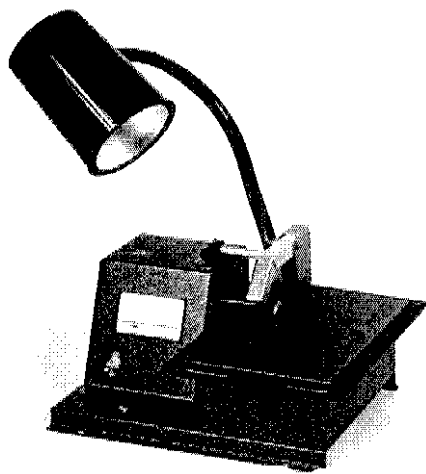


These mandrels are as effective on curved facets
as the BATT_(tm) laps are on flat facets!

	1/2 inch
Single Mandrel	\$ 25.00
Set of Three	\$ 70.00



Lapidary Machines



Jem Saw 45:

ALL THESE FEATURES IN ONE POWERFUL SAW:

- High-torque motor (60 in-oz) won't stall in normal use
- Versatile machine accepts either 4" or 5" blade.
- Fast & quiet. 3000 RPM for better cutting, Longer blade life.
- "on-center" Trimming allows maximum accuracy even with difficult shapes like crosses.
- Drop edge table eliminates interference on slabs cuts.
- Vise or trim table attaches in two seconds - and in alignment.
- Innovative guard design-for slab cuts of any length.
- Gemstone glides into cut on exclusive stainless steel table.
- Convenient lift-out sump liner for easy cleaning.
- Front splash shield included. Lamp optional.

20-037: SUPER CUT 5" JEM SAW

Features machine with 5" X 012 X 5/8" Red Blazer Blade.

Price: \$ 575.00

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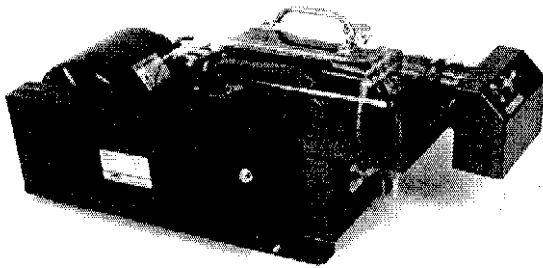
E-mail: orders@gemcutter.com

Facet Shoppe: Lapidary Machines, pg. 2

The Raytech Saw is probably the best all-around lapidary saw on the market today. With the power feed it slabs smoothly and consistently. It has built in features demanded by the professionals. The lift-out sump is quickly and easily cleaned. The ball bearing arbor is precisely aligned, shielded and lubricated for life. Positive hold down on the crossfeed helps prevent blade damage. The clear hood helps contain oil mist. The crossfeed handle moves the vise exactly 1/16" per turn for gauging slab thickness. Both the 6" and the 10" power feed models have an infeed rate of 10" per hour. The motors are 1/3 HP standard.

The YELLOW BLAZER blade is a thin-cutting blade best suited for fine cuts in valuable material. It has a high concentration of fine diamond with a thin kerf and long life, and is a direct replacement for the former Red Blazer.

The GREEN BLAZER blade has a standard concentration of coarse diamond and is recommended for general lapidary work.



Basic 6" Saw, L-6S:

20-012: includes pop-up table, lift-out sump, ball bearing arbor, and arbor pulley. Shipping weight is 14 lbs. **\$ 330.00**
1/3 HP Motor, plexiglass hood,
Powerfeed extra

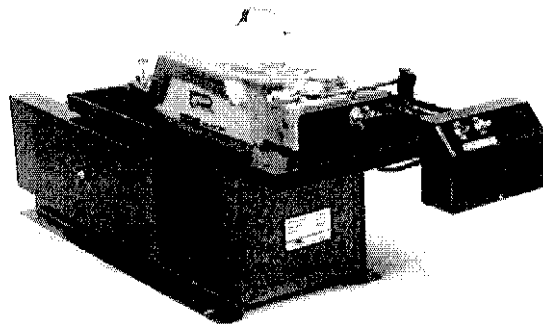
Basic 10" Saw, L-10S:

20-025: includes lift-out sump, ball bearing arbor, arbor pulley, blade guard, splash guard, and precisely aligned vise. Shipping weight is 35 lbs. **\$ 625.00**
1/3 HP Motor extra - Powerfeed extra
Saw pictured with all options.

10" Saw, fully equipped:

20-023: Deluxe model includes basic machine, Power feed, 1/3 HP motor, motor base, belt guard, plexiglass hood, splash guard, and 10" X 040 X 5/8" Green Blazer Blade.

List is \$ 1290.00; our price just: **\$ 1450.00**



Universal Heavy Duty Grinding and Polishing Kit

These are sold as the basic machine only, or the basic machine plus a complete set of laps/accessories that are all you need to get started.

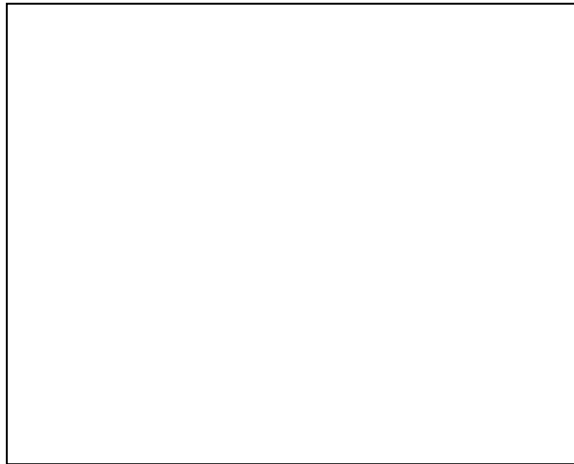
Each complete setup includes:

- -Variable speed ball bearing DC motor with 115 VAC converter and coolant reservoir w/splash shield
- -180 mesh metal bond diamond disc
- -325 mesh diamond sanding disc
- -600 mesh diamond sanding disc
- -1200 mesh diamond sanding disc
- -White polish pad w/14k mesh diamond compound
- -4 disc backing plates
- -complete instructions
-



The Universal Heavy Duty Grinding and Polishing Machine is a complete lapidary machine that is easy to use, quiet, clean, versatile, affordable and portable. The 5-step accessory kit makes it possible for you to grind, shape and polish a wide range of gem materials and glass, both natural and synthetic. The finishing process makes easy work of finishing a wide variety of gem materials, both natural and synthetic, including quartz, agate, jasper, tourmaline, corundum, and opal. The UNIVERSAL HD is a horizontal lap machine. You can grind flats, rework quartz crystals, make calibrated and free-form cabochons, plus do detailed inlay and award-winning intarsia. You can use the UNIVERSAL HD in the house or recreational vehicles; clean up is easy. The machine can be used in motor homes and trailers on generator power and inverters. Just open the box, read the complete operating instructions and you are ready to begin!

Stock #	Size	Description	Price
Am-01-010	6 in.	Complete	\$559.00
Am-01-011	6 in.	Basic	\$399.00
Am-01-015	8 in.	Complete	\$659.00
Am-01-016	8 in.	Basic	\$399.00
Am-01-050		Foot Pedal	\$ 30.00



Lortone 'Gem Sparkle' Tumbler

Rubber barrel, enclosed motor, pulleys and belts. Comes with barrel that holds about 3 lbs. Of rock, tumble and operating instructions.

Stock # **L-3A** **3.0 lb. capacity** Price **\$74.00**

4 Step Grit Kit by Lortone

Polishes 10-14 lbs of stones. Contains coarse, medium, & fine silicon carbide grinding grits, and also contains a top quality tumbling polish. This will yield excellent results on a wide range of stones, from soft to hard.

These are plastic containers with screw-on lids.

Stock # **4step_kit** Price **\$19.95**