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with QuickChange Fixtures **PAGE 24**

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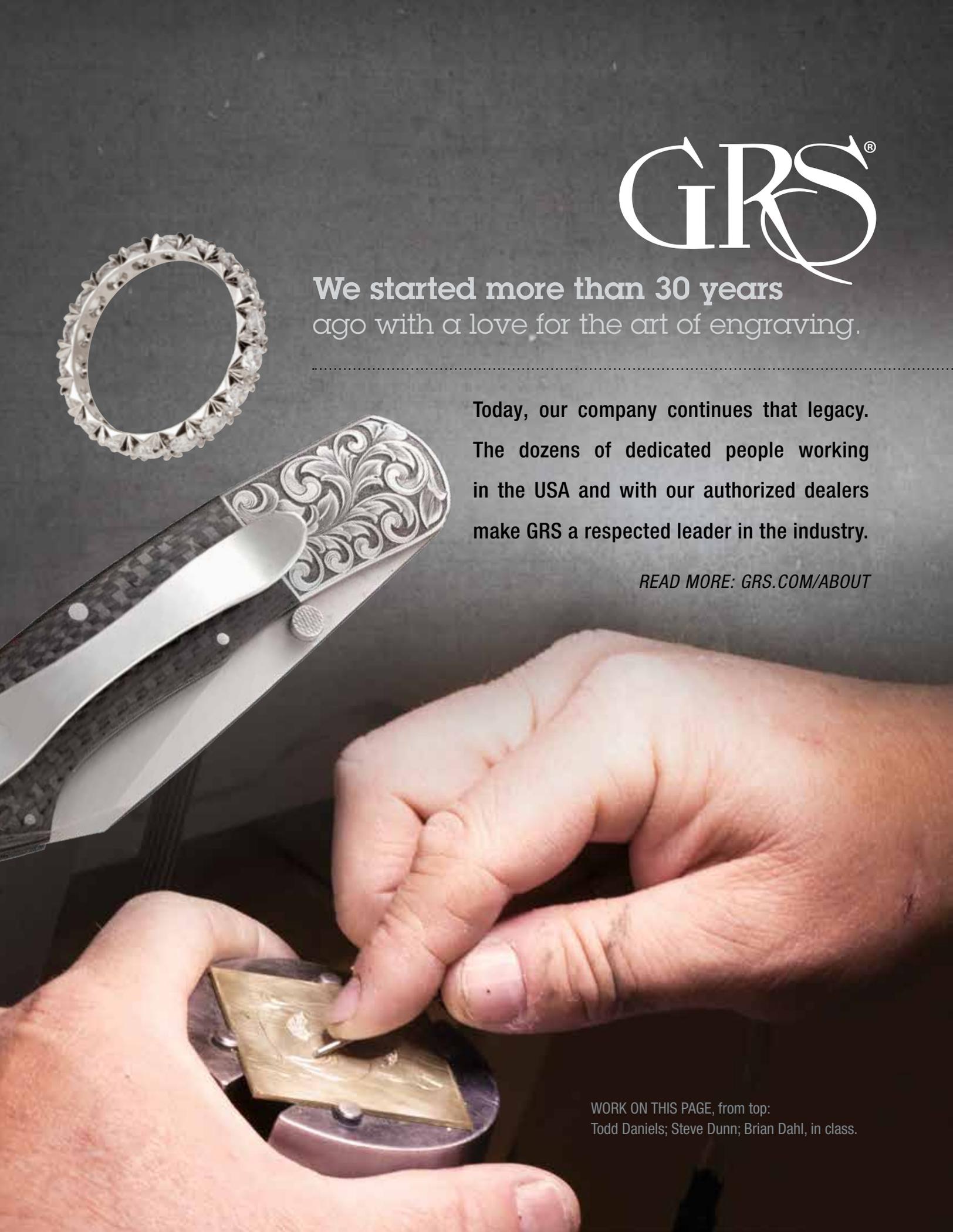
GRS[®]

We started more than 30 years ago with a love for the art of engraving.

Today, our company continues that legacy. The dozens of dedicated people working in the USA and with our authorized dealers make GRS a respected leader in the industry.

READ MORE: GRS.COM/ABOUT

WORK ON THIS PAGE, from top:
Todd Daniels; Steve Dunn; Brian Dahl, in class.



ORDERING OPTIONS



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- METAL ENGRAVING
- STONE SETTING
- DESIGN & LAYOUT
- AND MORE!

Visit GRSTC.com for details.

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& Handpieces



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02 Visit **GRS.com** to shop our complete inventory.





WHAT WE RECOMMEND

One question we answer often deals with what tools are needed to complete a bench. These setups work for most hobbyists, beginners, and professionals.

TECH TIP: Tool Setup

1 Step 1: Oil-free compressed air



If the connected air compressor is oil-based and not from GRS, call about required filters before operating.

2 Step 2: Air System



This system is required to power a GRS handpiece. Choose from any of the Air Systems starting on page 6.

3 Step 3: Handpiece



Compressed air flows through the Air System to the GRS Handpiece for proper operation. Always check compatibility before purchasing.

4 Step 4: Gravers & sharpening tools



Together with the Power Hone, GRS gravers make attaining this last step fast and easy.



THE PROFESSIONAL



GraverMach® AT

With hand control built in to this system, users can easily switch between hand or foot control. The GraverMach AT is the most advanced of all GRS systems. *Page 8.*



901 AT Handpiece

The wide power range works for many applications using either hand or foot control. *Page 12.*



NSK Emax EVOLUTION

Use this advanced rotary tool for background removal, drilling, and stone setting. *Page 14.*



Val-Air Compressor

Quiet operation that is perfect for a studio or office setting. Integrated oil removal for oil-free air, plus an auxiliary fan. *Page 16.*



GRS Low Profile Vise

Securely hold an item while working. *Page 21.*



Power Hone Complete Dual Angle System

Sharpen tools accurately. *Page 36.*



GlenSteel V-Point Gravers

Quality tools for a variety of needs. *Page 45.*



EMZ-5 Microscope & Acrobat Stand

Premium optics from Meiji provide full, close-up detail, while the GRS Acrobat Stand allows optimal flexibility. *Page 54.*



THE WEEKENDER



GraverSmith®

Get GRS quality with a simplicity and affordability perfect for hobbyists and artists on a budget. Allows one handpiece operated with foot control. *Page 9.*



901 Standard Handpiece

Designed with a wide range of power for multiple applications. *Page 10.*



Val-Air Compressor

Quiet operation that is perfect for a studio or office setting. Integrated oil removal for oil-free air, plus an auxiliary fan. *Page 16.*



GRS Low Profile Vise

Securely hold workpieces while engraving or stone setting. *Page 21.*



Power Hone Complete QC System

Sharpen tools accurately. *Page 37.*



GlenSteel V-Point Gravers

Quality tools for a variety of needs. *Page 45.*



Optivisor

Get a closer look while working. *Page 56.*



THE START-UP



C-Max Burin Kit

For hand-push engraving. *Page 42.*



Multi-Purpose Vise

Securely hold workpieces while engraving. *Page 28.*



Vise Attachments

Securely hold workpieces while engraving. *Page 28.*



Power Hone Complete Standard System

Sharpen tools accurately. *Page 37.*



GlenSteel V-Point Gravers

Quality tools for a variety of needs. *Page 45.*



Optivisor

Get a closer look while working. *Page 56.*

Alexander Sidorov makes his amazing creations using the GRS GraverMach AT.



Working on jewelry?

Switch out the larger GRS vise for a MicroBlock or the new BenchMate Encore QC / QCX.

Air Systems & Handpieces

From the original GraverMeister® system to the GraverMach® AT, GRS has developed these air systems to increase efficiency and productivity.

- Reduce fatigue
- Improve productivity
- Increase comfort

GRS Handpieces can be used to work on every task from fine shading and stone setting to sculpting, hammering, and deep relief engraving.

When precision and reliability matter, GRS Air Systems and Handpieces are the best choice.

"I purchased the GraverMax, microscope, and several other items in 2005. I love using them and learn something new about the equipment each time I use it."

— JACQUELINE MILLER, JACKSONVILLE, FL

Work by professional engraving artist and GRSTC Instructor Jake Newell.





AIR SYSTEMS

These innovative systems harness the power of air so you can work faster, more efficiently, and with less fatigue — all with a shorter learning period compared to traditional tools.

Get the GraverMach® AT and Airtact Handpieces for integrated power control using either hand or foot operation.



GraverMach® AT

Never before has a pneumatic handpiece system given the user so much versatility and control. The seamless combination of hand and foot control is a remarkable technical breakthrough. Whenever desired, the user can choose between hand or foot control with one simple knob. This allows optimal working comfort and precision in a wider range of creative jobs.

#004-965

Dimensions	13" x 6" x 8.2"
Weight	22.7 lb
Airtact	Fully Integrated
# of Handpieces	2
Air Regulators	2 Precision
Auxiliary Outlet*	1
Bias Control	Yes
SPM	400-8000

PRODUCT FEATURES

- 2 Handpiece Connections
- Accurate Air Control
- Auxiliary Air Connection
- Maximum Adjustment
- Select Hand or Foot Control
- Use a Rotary Handpiece
- Variable Strokes Per Minute

TECH TIP:

Requirements

- 1 Oil-free Compressed Air**
- 2 1.4 cfm** minimum (40 liters per minute)
- 3 45 psi** minimum (3 BAR)
- 4 100/240 V** at 50/60 Hz



Professional engraver Sam Alfano engraved these pieces using the GraverMach AT with a 901 AT handpiece.



GraverMax® G8

This engraving system gives each GRS handpiece excellent range of power with perfect control throughout an expanded range of impact speeds. The GraverMax G8 has connections for two impact handpieces and an auxiliary air connection for other air tools, including the GRS Ultra 850 Rotary handpiece.

#004-995

Dimensions	12" x 5.2" x 8.2"
Weight	21 lb
Airtact	Compatible
# of Handpieces	2
Air Regulators	1 Precision
Auxiliary Outlet*	1
Bias Control	Yes
SPM	400-8000

PRODUCT FEATURES

- 2 Handpiece Connections
- Accurate Air Control
- Auxiliary Air Connection
- Maximum Adjustment
- Foot Control
- Use a Rotary Handpiece
- Variable Strokes Per Minute



GraverSmith®

The GraverSmith offers basic work capability and pneumatic impact power for stone setting and engraving. It is ideal for production stone setters, multiple factory installations, and individual craftsmen on a budget.

#004-895

Dimensions	10" x 5.8" x 9"
Weight	17 lb
Airtact	Compatible
# of Handpieces	1
Air Regulators	1 Standard
Auxiliary Outlet*	None
Bias Control	No
SPM	400-8000

PRODUCT FEATURES

- 1 Handpiece Connection
- Accurate Air Control
- Basic Adjustment
- Foot Control
- Variable Strokes Per Minute

*For use with air turbine and rotary tools.

"The biggest advantage for me is the seamless operation from hand to foot pedal engraving. This has made my daily work easier and faster."

- SAM ALFANO, LOUISIANA
MASTER ENGRAVER / GRSTC INSTRUCTOR

Need help setting up?

Visit our website for quick setup videos, product demonstrations, and helpful tips.



Watch videos on youtube.com/grstools



STANDARD HANDPIECES

Standard Handpieces from GRS are powered by foot control. These handpieces are not Airtact ready and are not compatible with the GraverMeister system.

TECH TIP:

Requirements

1 Oil-free Compressed Air

2 GRS Air System*
GraverMach AT
GraverMax G8
GraverSmith

* May be compatible with some older GRS systems. Call for assistance on compatibility. These handpieces are not compatible with the GRS GraverMeister.



Diane Scalse engraved these two pieces using a Magnum handpiece.

Monarch

Feel confident executing fine engraving styles, including bulino and banknote. Features heat-treated stainless steel construction with an adjustable side hose connection.

#004-921



Ask about our Ultra-Fine Monarch Spring!

Length 2.31" (59 mm)

Weight 1.8 oz (52 g)

Monarch Handpiece Kit

Includes Monarch handpiece, QC Hand Handle (#004-805), 6 QC Tool Holders, and QC tool tray.

#004-926



901

This comfortable, compact shape has an adjustable side hose connection. It fits most engraving and stone setting needs, including micro-engraving, deep relief work and bead raising/hammer setting. Made from fully heat-treated stainless steel.

#004-901



Ask about our Piston V3 for older 901s.

Length 2.6" (66 mm)

Weight 2.72 oz (77.11 g)

901 Handpiece Kit

Includes 901 Handpiece, QC Hand Handle (#004-805), 6 QC Tool Holders, and QC tool tray.

#004-910



Magnum

The Magnum exceeds previous models that are twice the length, all while providing an excellent range of power. It also has fine control with shading capability significantly better than any handpiece with this much top-end power.

Magnum Palm Knob Handpiece

Includes standard barrel with Palm Knob.

#004-940



Length 2.72" (69.2 mm)

Weight 5.7 oz (161 g)

Optional Knob

Add an Oval Knob!

Switch out knobs for a different feel. Knob only.

#004-941

Magnum Oval Knob Handpiece

This oval version adds both weight and length to the rounder Palm Knob version. Includes standard barrel with Oval Knob.

#004-940-OVAL



Length 2.88" (73.4 mm)

Weight 6.1 oz (171 g)

Maestro

The GRS Maestro comes in three models for an even wider variety of applications. It is ergonomic and slim, nicely balanced, and very smooth in operation. Hand control is easily added with an Airtact Thumb / Finger element. Made from heat-treated stainless steel and solid brass.

Maestro

Designed for scrimshaw and stippling methods, the Maestro also works well for fine metal engraving applications that require light to medium power.

#004-947



Length 4" (101.6 mm)

Weight 2.4 oz (68.09 g)

Maestro EX

The Maestro EX piston is over 3.5 times heavier than the original Maestro, producing astounding power for a wide variety of stone setting, metal engraving, texturing, and hammering.

#004-905



Length 4" (101.6 mm)

Weight 3.52 oz (99.79 g)

Maestro MX

Built with a piston that outweighs the EX model by 72%, the Maestro MX has even more power than the GRS Magnum, all while providing remarkably fine control for shading.

#004-909



Length 4" (101.6 mm)

Weight 4.96 oz (140.61 g)

610 Hammer

Wide power range. Great for stone setting, hammering, medium to deep engraving. Stainless steel construction. Set screw chuck holds square tools up to 0.10" (2.5 mm) and round tools to 0.13" (3.3 mm) diameter.

#004-610



Length 4.5" (114 mm)

Weight 5.5 oz (156 g)

QC 710

Wide power range. Perfect for stone setting, hammering, medium to deep engraving. Stainless steel construction.

#004-710



Length Length: 4.2" (107 mm)

Weight 5.9 oz (168 g)

QC 720

Most powerful impact handpiece available. Great for wood carving, very heavy metal engraving, or hammering.

#004-720



Length 5.0" (127 mm)

Weight Weight: 5.3 oz (150 g)

Handpieces and accessories are not to scale.



Artist A. L. Henson engraved this stylized cameo in fine silver using a Maestro handpiece and the copper bracelet with a 901 AT.

AIRTACT HANDPIECES

Airtact Handpieces from GRS are powered by hand pressure by design but can also be used with foot control. These handpieces require a compatible system.



TECH TIP: Requirements

- 1 Oil-free Compressed Air**
- 2 GRS GraverMach AT**
or compatible GRS Air System with Airtact capability to use hand control.

Monarch AT

Feel confident executing fine engraving styles, including bulino and banknote. Features heat-treated stainless steel construction with an adjustable side hose connection. Requires compatible GRS Air System with Airtact capability to use hand control.

#004-921-ATSS



Length	2.31" (59 mm)
Weight	3.36 oz (95.25 g)

901 AT

The 901 AT fits most engraving and stone setting needs, including micro-engraving, deep relief work, and bead raising/hammer setting. Made from fully heat-treated stainless steel. Requires compatible GRS Air System with Airtact capability to use hand control.

#004-901-ATSS



Length	2.6" (66 mm)
Weight	4.16 oz (117.93 g)

Magnum AT

The Magnum exceeds previous models that are twice the length, all while providing an excellent range of power. It also has fine control with shading capability significantly better than any handpiece with this much top-end power. Requires compatible GRS Air System with Airtact capability to use hand control.

#004-940-ATSS

Ask about our Hose Covers for Airtact Handpieces!

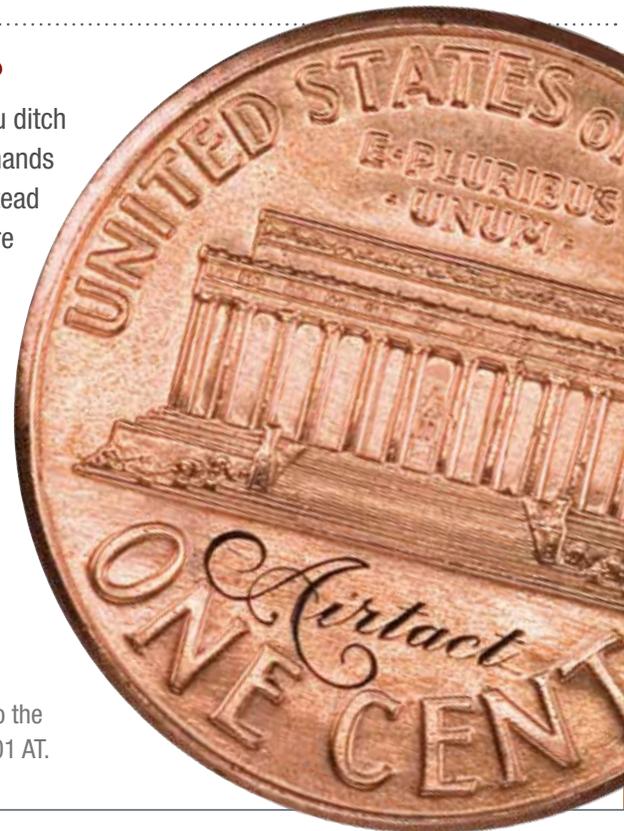


Length	2.72" (69.2 mm)
Weight	5.68 oz. (161.03 g)

What is Airtact?

Simply stated, Airtact lets you ditch the foot pedal and use your hands to control the handpiece. Instead of using a foot pedal, pressure is applied to the Palm Pad (rubber end) located on the back side of the handpiece to activate. For built-in Airtact control, upgrade to the new GraverMach® AT. AT Handpieces require a compatible GRS Air System with Airtact capability.

GRSTC instructor Sam Alfano engraved the word "Airtact" into the penny shown at right using a 901 AT.



Handpiece Accessories

Handpiece Storage Strip

This durable organizer keeps GRS handpieces within easy reach. The included clips fit the side of some benches. This strip can also be mounted to a flat surface with the included hardware.

#024-210



Type E Palm Pad

These pads come in three different sensitivity levels: #6, #8, and #10. The lower the number, the more responsive the handpiece becomes (less hand force required). Type E pads work on any Airtact handpiece knob and are especially designed to complement the 901 AT and Monarch AT knobs.

#044-944



Shortened Handpiece Barrels

AT Handpiece knobs are slightly longer than Standard Handpiece knobs. These barrels provide a shortened length and are made from the same hardened stainless steel as the standard handpiece barrels. Modifications: 901 is approximately 0.18" shorter; Magnum is approximately 0.10" shorter.



901 Barrel

#044-142



Magnum Barrel

#044-163

Upgrades for Previous Systems

Airtact Filter Hook-Up Kit

This kit installs in the air supply line that runs to the GraverMax or GraverMate before it reaches the stock filter/regulator mounted at the rear of the Max/Mate unit. This kit is required for the Airtact to run on the GraverMax or GraverMate machines.



GraverMax Kit

For GraverMax Classic models only.

#004-971

GraverMate Kit

For GraverMate Classic models only.

#004-972

Quick Disconnect Kit

Allows quick switching of air handpieces. Includes one main body and two connectors.

#004-615



Try out GRS tools and equipment.

Find us in the United States or at one of the many fairs we attend abroad. You can try our tools for yourself at these shows, so find a trade fair near you.

Visit grs.com/shows for additional information and our current show schedule.



ROTARY TOOLS & OTHER SYSTEMS

Rotary tools allow for quicker background removal for engraving, faster drilling for stone setting, and many other uses for artisans.

These additional air systems from GRS are classic designs used and enjoyed by many.

TECH TIP: Micro-Polishing

Used with a variable speed rotary tool like the NSK Emax or a flex-shaft, polishing wheels can provide higher precision for finishing tools.

3/32" (2.35 mm)



Yellow Rubber-Bond Diamond Polishing Wheel

The Yellow Rubber-Bond Diamond Polishing Wheel provides a perfect mirror finish on carbide and HSS gravers. Mounts in a micromotor (like NSK EVO or Electer) or flex-shaft (Foredom) hanging motor. For non-medical use only.

Do not exceed 5,000 RPM when using this polishing wheel. Shank: 3/32" (2.35 mm). Wheel Diameter: 25 x 2.2 mm.

#023-120

Andrew Biggs from New Zealand engraved the loupe and watch with GRS tools.



Rotary Systems

GRS Ultra 850 Rotary System

This rotary handpiece turns 320,000 RPM for effortless engraving, decorating, and grinding on almost any material. It only accepts 1/16" (1.6 mm) diameter bur shanks. Connects directly to a GraverMach® AT, GraverMax® G8, or any regulated air supply.

Ultra 850 with GRS Foot Control

#004-861



Ultra 850 with System 3 Foot Control

#004-914



Ultra 850 Handpiece

#004-850



GRS Foot Control

#004-863



PRODUCT FEATURES

- Lever-type handpiece with stand
- 4.3 cN-m maximum torque
- 73 W output power
- Brushless motor system
- Electronic breaker
- Digital display



NSK Emax EVOLution

The NSK Emax EVOLution features a brushless motor system for smooth and quiet operation with surprising torque and vibration-free rotation. This system maintains constant speeds even under load — and an electronic breaker shuts off the motor for protection in the event of an overload. The control unit features a 4.75" diameter Speed Control Volume dial with a digital Motor Speed Display, a color-coded Load Meter, and Memory Speed Function. 120 Volt model.

Includes: Control Unit, Handpiece, (1) Collet Chuck 1/8", (1) Collet Chuck 3/32", Handpiece Stand, Wrench, and Pin Wrench. Dimensions (LxWxH): 10" x 5.1" x 3.8". Handpiece Weight: 6.4 oz.

#002-910-EVO

Torque Multiplier/Speed Reducer, 4:1

Makes it easy to reduce speed on the Emax handpiece.

#002-934



Foot Control

Optional. On/off switch and variable speed control.

#024-164



Extra Collets

#002-924

#002-925

#002-926



GraverMeister

GraverMeister

The GraverMeister is the original GRS invention patented as a technological breakthrough in power engraving tools. This machine is an air tool that makes its own special air pulses; no external compressor is needed. A foot pedal allows variable power instantly while working. The impact rate is adjustable from 1600-2400 impacts per minute.



With the GraverMeister, engrave deeply in steel and delicately in gold, carve wood effortlessly, set large and small stones with confidence, texture metal quickly, sculpt stone, and more. Includes built-in compressor unit and foot control. 110 V model only. GraverMeister only. Handpieces and accessories sold separately.

#001-842

QC 915

Model 915 features impact technology with a great power range plus fine control. The comfortable shape has an adjustable side hose connection and fits most engraving and stone setting needs. Made from fully heat-treated stainless steel. Similar to the QC 901 but compatible with GraverMeister systems. Includes 6 QC Holders. Length: 2.6" (66 mm). Weight: 2.4 oz (68 g).



#004-915

QC 712

Wide power range. Perfect for stone setting, hammering, and medium to deep engraving. Stainless steel construction. Similar to the QC 710 but compatible with GraverMeister systems. Includes 6 QC Holders. Length: 4.2" (107 mm). Weight: 5.9 oz (168 g).



#004-712

QC Large

Most powerful GraverMeister handpiece available. Great for wood carving, heavy metal engraving, or hammering. Similar to the QC 720 but compatible with GraverMeister systems. Includes 6 QC Holders. Length: 6" (152 mm).



Weight: 7.9 oz (224 g).

#004-509-QC

High Speed Valve Kit

Updates previous GraverMeisters to the faster 1600-2400 impacts per minute for smoother cuts, longer tool life, and reduced work time.

#001-893



System 3

System 3

The System 3 produces special air pulses to control its impact handpiece, which uses a piston and port design that self-oscillates with compressed air. It is comfortable, lightweight, and delivers impact power that allows users to engrave metal, set stones, hammer, texture, and carve wood or other materials. The handpiece stays cool during use and includes the time-saving GRS QuickChange tool system. Requires 1 cfm compressed air at 60 psi minimum (30 liters per minute at 3.5 bar minimum).

Standard Package

Includes handpiece, foot control, air filter-regulator, and 3 QC Tool Holders.

#004-780



Deluxe Package

Includes handpiece, foot control, air filter-regulator, hand graver handle, and 6 QC Tool Holders.

#004-781

System 3 Handpiece

Works with compressed air.

Length: 4.5" (115 mm).

Weight: 3.5 oz (100 g).

#004-760



System 3 Foot Control

Allows proportional control.

#004-771



System 3 Air Filter-Regulator

This filter-regulator can be used in any application where air pressure needs to be controlled and filtered. Includes a 5 micron filter element, hose connections, and bracket.

#004-762



Machine need repair?

From hoses to motors, we've got you covered. Visit our website for a general estimate on out-of-warranty repairs.

Learn more: grs.com/repairs

AIR COMPRESSOR

Purchasing the right air compressor is important to the continued operation of GRS systems. The Val-Air by Silentaire runs quietly, near the noise level of a refrigerator, and comes with filters to prevent oil contamination. For other compressors, be sure to install appropriate filters before use.

TECH TIP:

Oil-Free Air

Why do GRS systems need oil-free compressed air? Each one needs clean, dry air for proper operation. Oil can cause:

1 Decreased performance

2 System damage

3 A voided warranty

Always make sure any connected compressor has adequate filters installed before operating a GRS Air System.

Need guidance?

Call **800-835-3519** for help with a proper compressor setup.

Val-Air

BY SILENTAIRE TECHNOLOGY

Silentaire Val-Air compressors are quiet and completely automatic. All units come equipped with a tank, pressure regulator with built-in moisture trap and line pressure gauge, tank pressure gauge, safety valve, air intake filter, and a carrying handle or wheels for extra portability.

This compressor is perfect for apartments, mall stores, bedrooms, or anywhere air compressor noise is undesirable.

The Val-Air compressor, which is an upgraded version of the Sil-Air, comes equipped with the necessary options to protect your GRS engraving and stone setting equipment from unnecessary wear and damage.

Includes Hook-Up Kit (#004-527), which includes 50 feet of air tubing and brass fittings, and Auxiliary Cooling Fan (#004-693).

Delivers 2.15 cfm at 114 psi. Operating Pressure: 84-114 psi. 1/2 hp, 115 V / 60 Hz. Noise: Approx. 40 dB. Weight: 51 lb (23.1 kg). Dimensions (LxWxH): 13.8" x 13.8" x 21.7" (350.52 mm x 350.52 mm x 551.18 mm).

#004-678



PRODUCT FEATURES

- Heavy-duty 1/2 horsepower "AL" pump
- Quiet, automatic operation
- In-line regulator with moisture trap
- In-line coalescent filter (0.01 micron)
- Aluminum pump housing cover for cooling
- Internally-painted tank to prevent rust
- Line pressure gauge
- Tank pressure gauge
- Thermally protected

Coalescing Air Filter / Oil Removal Kit

Removes dirt and oil contamination from compressed air. Required if using an oil-type compressor with your GRS equipment.

#004-730



Silentaire Compressor Oil, 24 fl oz

For use with Silentaire compressors. Please note that using a different oil can damage a Val-Air compressor.

#022-163



Hook-Up Kit for Compressors

Kit includes 50' (15.24 m) of 1/4" (6.35 mm) hose and brass fittings. NOTE: This Hook-Up Kit is supplied with any compressor purchased from GRS.

#004-527



Auxiliary Cooling Fan

Included with Val-Air compressor (#004-678), this easy addition for Silentaire compressors is recommended for hot environments or high-use applications. Clamps on and installs in seconds.

#004-693



A Bachelor of Fine Arts

Ready to take the next step in your engraving career?

Go beyond five-day courses with a fully accredited

degree from Emporia State University.



GET YOUR DEGREE IN FINE ARTS

Learn basic and traditional techniques to apply to art media in a way unique to your vision. With this degree program, you will be able to push the art form to new and innovative limits. Hand fabrication is encouraged.

- ESU is student centered.
- This program is unique and provides the only Engraving Arts degree in the world.
- Learn from internationally recognized faculty.
- Use the highest quality engraving tools and setup from GRS, all available on campus.

Want more information?

Visit GRSTC.com/ESU for program details.

Recently Upgraded A BRAND NEW FACILITY

Students in the Engraving Arts Program at Emporia State University are taking full advantage of a completely upgraded studio space.

Glendo LLC, maker of GRS Tools, collaborated with ESU to provide a brand new studio for the Engraving Arts Program, starting with the first semester of 2014.

With new features and equipment such as whiteboard-style walls and a GraverMach AT system at every bench, the studio provides access to the latest tools for students.

Access to the latest equipment means each person will be able to maximize every moment learning new techniques.

ESU is the only accredited university in the world to offer a Bachelor of Fine Arts degree in engraving.



Workholding

GRS produces a variety of workholding solutions for stone setters, jewelers, engravers, and other artisans. Hold everything from delicate materials for scrimshaw to firearm and motorcycle parts.

Workholding tools from GRS are made for superior, long-lasting performance. Our vises feature quality manufacturing, smooth rotation, and are always made in the USA.

Accessories for workholding make every job easier and faster to accomplish. Thermo-Loc, a heat-activated material, allows nearly any workpiece to be held securely without damage.

“Everything GRS makes is top quality. Top quality back-up on anything they sell. GRS is interested in each person being pleased with their products.”

— BRYAN CLARY, SPRINGVILLE, TN

GRSTC Instructor Bob Finlay makes his deep relief engraving cuts with GRS tools.





BLOCKS & ACCESSORIES

Get smooth rotation and superior performance with GRS workholding tools.



TECH TIP: Holding Items

Get a variety of pins plus Thermo-Loc to help hold even irregular or delicate items easily.



520 Attachment Set

Pins fit upper jaw plates of all GRS vises.

- 4 one-half Thermo-Loc sticks
- 8 small pins
- 4 flat square pins
- 2 rectangular inset-curve pins
- 4 thick round inset pins
- 8 rubber-coated pins
- 2 leather-faced ring clamp pins

#003-520



MicroBlock

Designed for a unique combination of solid work support in a small and maneuverable size, the MicroBlock has a self-centering jaw system made for stone setting, small engravings, and other precision work. The internal rotational brake system lets the user choose the amount of rotational resistance from free to locked. Its low profile is suited for microscope work.

Includes 4 pins, 1 wrench, 6 screws, plastic base, 1 plastic hex key, and Thermo-Loc sample kit.

Block Weight: 4 lb (1.8 kg).
Ball Diameter: 3.1" (80 mm).
Jaw Width: 1.8" (46 mm).
Jaw Height: 0.87" (22 mm).
Max. Opening: 2" (50 mm).



#003-683

MicroBlock & 520 Attachment Set

Vise, accessories, and 520 Attachment Set (#003-520).

#003-684

StepRisers

Set of 5. Each adds 0.5" (12.7 mm) to working height.

MicroBlock is not included.

#003-674



See page 63 for the Engravable MicroBlock. Deep relief engraving work by Bob Finlay with custom "spur" by Diane Scalese.



Standard Block

This vise is an economical choice that fills the need of many engravers and craftsmen. With a double-ball bearing system for smooth rotation without wear or looseness, the Standard Block combines outstanding quality with value for workholding. Control the rotational resistance with an internal rotational brake system. Machined from solid stainless steel with a satin finish and black jaws to reduce glare and eye strain.

Includes upper jaw plates, 4 pins, base, 1 plastic hex key, and wrench.

Block Weight: 19 lb (8.6 kg).
Ball Diameter: 5.12" (130 mm).
Jaw Width: 2.5" (64 mm).
Jaw Height: 1.5" (38 mm).
Max. Opening: 3" (76 mm).



#003-530

Standard Block & 520 Attachment Set

Vise, accessories, and 520 Attachment Set (#003-520).

#003-531

Round Contour Jaws

All GRS Vises except MicroBlock

An innovative and safe way to hold irregularly shaped parts, these jaws are lined with hard rubber to easily conform and grip almost any shape with minimal clamping force.

#003-623



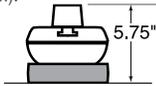


Low Profile Vise

Find just the right working height under a microscope with this vise. When a workpiece calls for a lower height, the Low Profile Vise provides a comfortable 6" (150 mm) of space for a proper view and position. This vise has the same jaw size and capacity as the MagnaBlock, yet is 1.5" shorter. Top half of vise rotates while bottom half remains stationary. Add the Turntable Base (#003-616-V2) for whole vise rotation.

Includes upper jaw plates, 5 pins, base, 1 plastic hex key, and wrench.

Block Weight: 20.25 lb (9.19 kg).
Ball Diameter: 6.125" (147 mm).
Jaw Width: 3" (76 mm).
Jaw Height: 1.8" (46 mm).
Max. Opening: 3.5" (89 mm).



#003-615

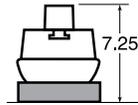


MagnaBlock

The MagnaBlock provides additional stability while using power tools, chasing hammers, and similar equipment. A massive ball-and-roller bearing system allows smooth rotation without wear or looseness. The internal rotational brake system allows the user to easily adjust rotational resistance. Machined from solid stainless steel with a satin finish and black jaws to reduce glare and eye strain.

Includes upper jaw plates, 5 pins, base, 1 plastic hex key, and wrench.

Block Weight: 30 lb (13.7 kg).
Ball Diameter: 5.8" (147 mm).
Jaw Width: 3" (76 mm).
Jaw Height: 1.8" (46 mm).
Max. Opening: 3.5" (89 mm).



#003-021

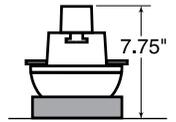


Positioning Vise

Similar to the MagnaBlock, the Positioning Vise from GRS has one very unique difference: a positionable center of rotation. While working under a microscope, this is an important function that allows the workpiece to remain centered in the field of view. This detail saves time while working. As the largest vise made by GRS, the extra weight and a larger base together provide the most stability and adjustability available.

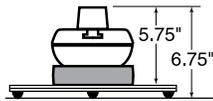
Includes upper jaw plates, 5 pins, base, 1 plastic hex key, and wrench.

Block Weight: 42 lb (19.1 kg).
Ball Diameter: 7.1" (180 mm).
Jaw Width: 3" (76 mm).
Jaw Height: 1.8" (46 mm).
Max. Opening: 3.5" (89 mm).



#003-541

GRS Vise Upgrade



See page 22 for the Turntable Base Kit.

MagnaBlock & 520 Attachment Set

Vise, accessories, and 520 Attachment Set (#003-520).

#003-522



Knifemaker's Contour Jaws

All GRS Vises except MicroBlock & Multi-Purpose Vise

This vise holds knives securely in just seconds for engraving and other detail work. Special chain-like linear jaws conform to unusual and compound shapes with ease. Lined with a hard rubber, these jaws grip securely without high clamping force.

Overall Size: 3" x 5" (76.2 mm x 127 mm). Holds objects up to 0.875" (22.225 mm) wide. Clamping Area: 1.5" (38.1 mm) wide. Not for use with MicroBlock (#003-683) or Multi-Purpose Vise (#004-628).

#003-622

Super Pins All GRS Vises except MicroBlock
Heavy-duty plastic over steel pins are ideal for holding larger items without marring. Not for MicroBlock use.

3/8" Super Pins, 2

#003-547



1/4" Super Pins, 4

#003-546



1/4" Hex Key Knob

All GRS Vises except MicroBlock

Knurled aluminum, low-profile design. Not for MicroBlock use.

#003-662



Workholding Plate

Gently detail delicate, light workpieces held with modeling clay or Thermo-Loc using this unique plate. Diameter: 6".

#003-698



Leather Pads

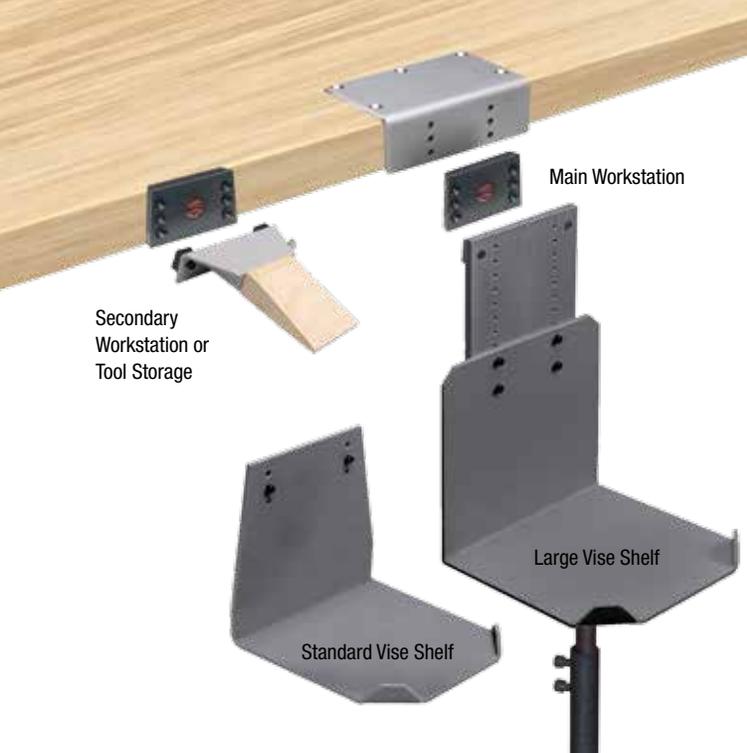
All GRS Vises

Thick, top grain leather pads. Set of two.

Dimensions (LxW): 2" x 3" (50.8 mm x 76.2 mm).

#003-609





TECH TIP:

Multiple Mounts

Easily Add Storage or a Second Workstation

Utilizing more than one plate can make switching tools even easier. Simply attach another Fixed Mounting Plate to either side of the main working area or to the top of an Adjustable Height Bracket. Use the second plate for storage or as an additional workstation. For thin or curved bench tops, install the Optional Mounting Adapter (shown with Main Workstation) for a secure mount.



Turntable Mount Kit
Required to attach Turntable Base (#003-616-V2) to a Large Vise Shelf.
#004-672



Optional Mounting Adapter
For attaching Fixed Mounting Plate to curved or thin bench tops.
#004-559



Fixed Mounting Plate
For use with shelving, BenchMate, and Multi-Purpose Vise systems.
#004-557



Adjustable Height Bracket & Fixed Mounting Plate Kit
Allows up to an additional 4" to work support. Adjustable in 1/2" increments.
#004-666



Standard Vise Shelf
Recommended for use with the Standard Block or MagnaBlock. This shelf's height adjustability is 1" (24.5 mm). Turntable Base does not fit Standard Vise Shelf. 7" x 7" x 7" (177.8 mm x 177.8 mm x 177.8 mm).
#004-578



Large Vise Shelf & Adjustable Height Bracket Kit
Recommended for use with the Positioning Vise or any vise used with the Turntable Base. With the Adjustable Bracket, this shelf has a height adjustability of 5" (127 mm). 7" x 8.25" x 7" (177.8 mm x 209.6 mm x 177.8 mm).
#004-665

Vise Shelf Support
Adds stability to reduce vibration.
Minimum Height: 18.75" (476 mm).
Maximum Height: 34" (864 mm).
#003-649



Turntable Base Kit
The 10" (254 mm) diameter turntable provides an extremely smooth bearing system between precision ground steel plates for high performance while working. Use on any stable surface or with the Large Vise Shelf plus Turntable Mount Kit (#004-672). Includes low-friction pad (#044-165), brake kit (#003-343), turntable base, and microscope centering post.
#003-616-V2

THERMO-LOC™

Some items need a completely customized fixture for safe and secure workholding.

Thermo-Loc softens with heat to a pliable clay-like consistency that you can form around your work. At room temperature, it hardens and securely holds nearly anything from firearm parts to jewelry.

Thermo-Loc is easy to use. Just follow these basic steps: heat, form, and hold. For detailed instructions on use, visit our website.



Use Thermo-Loc?

Share your custom fixtures with **#ThermoLoc** on social media — we'd love to see your solution.



Thermo-Loc Starter Kit

Includes a 6" (152.4 mm) square special non-stick PTFE material pad for microwave use and 1 pound of Thermo-Loc. (1 lb = approx. 60 sticks).
#003-667



Non-Stick PTFE Pad

#003-291



Thermo-Loc Pin Kits

Pin kit for use with GRS vises.



Standard Pin Kit

For GRS Standard Vise. Includes 6 each 1/4" short pins, 6 each 1/4" medium pins.

#003-670



Large Pin Kit

For GRS MagnaBlock, Positioning & Low Profile Vise. Includes 4 each 1/4" short pins, 4 each 1/4" medium pins, 2 each 3/8" short pins, 2 each 3/8" medium pins.

#003-671

Thermo-Loc 0.5 lb (0.23 kg)

#003-664



Thermo-Loc 1.0 lb (0.45 kg)

#003-665



Thermo-Loc 5.0 lb (2.7 kg)

#003-666



Thermo-Loc Jaw Kit

Easily create custom Thermo-Loc jaws to hold nearly any workpiece. The kit includes two master upper jaws (one pivoting), four threaded bonding strips, bolts, and a wrench. Check vise requirements before purchasing for correct fit.



Standard Jaw Kit

For the GRS Standard Vise.

#003-668

Large Jaw Kit

For the GRS MagnaBlock, Low Profile Vise, and Positioning Vise.

#003-669

Thermo-Loc Form Block

Use this two-sided Thermo-Loc Form Block to create custom workholding fixtures that allow flexibility in a holder. For items such as pendants or tags, create fixed holders using the smaller slots. For longer items such as bracelets, make flexible hinged holders easily with the longer slot and divider. These custom workholding fixtures will work with most engraving blocks and vises.

#003-699



Side 1 and Side 2 of the Thermo-Loc Form Block.

BenchMate & Jewelry Tools

After years of industry-wide use, the BenchMate system has received a major upgrade with the **BenchMate Encore**.

Available in two models, the QC and the QCX, the BenchMate is made for quick and accurate stone setting, jewelry repair, soldering, and fabrication.

GRS also manufactures and offers a variety of tools made just for jewelers, smiths, and artisans.

“The GRS BenchMate makes it possible to bead set and bright cut with absolute confidence. The infinite adjustability is so great. No matter what position you start the tool in, it is ROCK solid.”

— RIC LA BAN, ALBUQUERQUE, NM



Blaine Lewis, GRSTC Instructor and owner of the New Approach School for Jewelers, has used the GRS BenchMate for his stone setting and jewelry work for years.





BENCHMATE

Nothing performs better while providing more freedom than the GRS BenchMate for jewelry work, with or without a microscope.

Need help setting up?

Visit our website for quick setup videos, product demonstrations, and helpful tips on using the BenchMate Encore.



Watch setup videos on youtube.com/grstools



Love BenchMate?

Share it with #BenchMate on social media — we'd love to see what you are working on!



NEW!

BenchMate® ENCORE

Featuring the **Encore QC & Encore QCX** with the new QuickChange fixture system.

- Advanced height control
- Superb range of motion
- Ergonomic handle
- Quickly attach handrest to either side
- Easy scope centering

1 WORK WITH BOTH HANDS

Work is held steadily in place yet easily repositionable to accommodate a range of techniques and jobs.

BENCH MOUNTABLE

Attach to most benches and easily switch to a compatible bench pin.



3 HANDREST POSITIONING

Quickly attach the handrest to either side.

QC FIXTURES

Drop and lock the QC fixture into the mandrel for fast switching with no additional tools.



BenchMate Encore QCX

The redefined form of the BenchMate Encore QCX delivers the widest range of motion available from any hands-free workholding tool. The BenchMate Encore QCX is easy to keep centered under the microscope and can be adjusted without losing sight of the workpiece. Two threaded collar rings make height changes to the mandrel fast and easy. The handrest can be quickly attached to either side.

Basic Package

Basic Package includes the BenchMate Encore QCX with handrest, one (1) Fixed Mounting Plate (#004-557), Encore QC Accessory Pack with 4 Extra Plastic Jaws (#004-558), 2 wrenches (5/32" Allen and 3/16" hex), and 5 mounting screws.

#004-831



Stone Setter's Package

Basic Package includes the BenchMate Encore QCX with handrest, one (1) Fixed Mounting Plate (#004-557), Horizontal I.D. Ring Holder, Vertical I.D. Ring Holder, Bench Pin Kit (#004-556), Encore QC Accessory Pack with 4 Extra Plastic Jaws (#004-558), 2 wrenches (5/32" Allen and large spanner), and 5 mounting screws.

#004-832



BenchMate Encore QC

Work is held steadily in place yet easily repositionable to accommodate a range of techniques and jobs. The new BenchMate Encore QC arm measures 6" and has a cutout for superior access angles and better clearance when using tools. Adjust the relieved arm to a lower or higher vertical position for maximum comfort and control. The handrest can be quickly attached to either side.

Basic Package

Basic Package includes the BenchMate Encore QC with handrest, one (1) Fixed Mounting Plate (#004-557), Encore QC Accessory Pack with 4 Extra Plastic Jaws (#004-558), 2 wrenches (5/32" Allen and 3/16" hex), and 5 mounting screws.

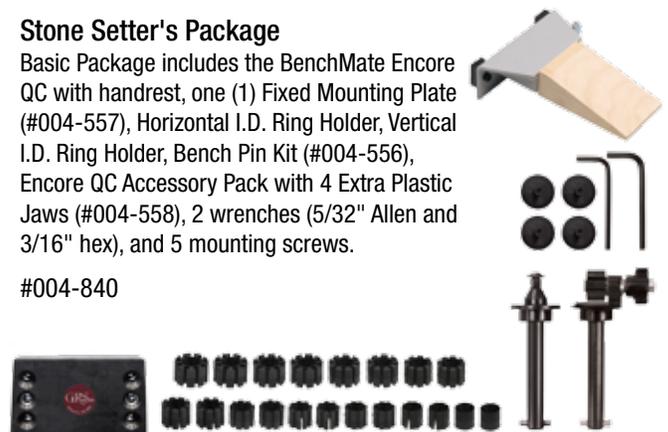
#004-839



Stone Setter's Package

Basic Package includes the BenchMate Encore QC with handrest, one (1) Fixed Mounting Plate (#004-557), Horizontal I.D. Ring Holder, Vertical I.D. Ring Holder, Bench Pin Kit (#004-556), Encore QC Accessory Pack with 4 Extra Plastic Jaws (#004-558), 2 wrenches (5/32" Allen and 3/16" hex), and 5 mounting screws.

#004-840



BENCHMATE ACCESSORIES

These innovative components increase productivity and decrease time spent on daily tasks when using the BenchMate Encore system.



TECH TIP: Multi-Purpose Pins

This variety of pins and Thermo-Loc sticks helps hold even irregular or delicate items when using the GRS Multi-Purpose Vise.



520 Attachment Set for Multi-Purpose Vise

Pins fit upper jaw plates of all GRS vises.

- 4 one-half Thermo-Loc sticks
- 8 small pins
- 4 medium dark pins
- 4 flat square pins
- 2 rectangular inset-curve pins
- 4 thick round inset pins
- 8 rubber-coated pins
- 2 leather-faced ring clamp pins

#003-520MPV



Multi-Purpose Vise

This unique precision-made steel vise adjusts for tilt and rotation on two axes, providing optimum comfort and efficiency. *Plate and adapter sold separately. Jaws open to 1.8" and are 2.3" wide by 1.6" tall.*

#004-628



Third-Hand Attachments

With these attachments, users can gain an extra hand while working. High quality with sturdy construction.

Regular Third-Hand

#004-546

Short Third-Hand

#004-646



Bench Pin Kit

Slides on and off a Fixed Mounting Plate (#004-557). Replaceable wood pin.

#004-556

Wood Replacement Pin

#004-108



Steel Sawing Plate

#004-680

Sawing Plate, Left Handed

#004-684



4" (100 mm) Soldering Station

Max 600°F (316°C).

#004-569

Insulated Soldering Clamp

Max 600°F (316°C).

#004-592



Steel Soldering Fingers

Narrow #004-552

Wide #004-553



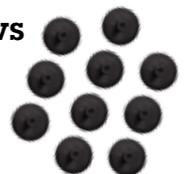
Shellac Pad

#004-106

Extra Plastic Jaws For BenchMate

Package of ten plastic jaws.

#004-558





LEARN

with Exclusive Group Training

Schedule a special class
in stone setting or hand
engraving for individuals,
companies, and teams.

Call **800-835-3519**
for additional information.

JEWELRY TOOLS

From engraving the inside of a ring to safely and securely holding metal for smithing or soldering, GRS makes the high-quality jewelry tools you need.



TECH TIP: Holding Jewelry

Having the right tools for the job can be the difference between profit and loss on a piece. When working on jewelry, you need tools that will hold a piece securely without damage.

For hand engraving rings, a ring clamp or fixture is often the best choice. GRS ring tools are made to hold a ring for stone setting, filing, and other finishing tasks without marring the metal.

Other options include using a pitch bowl or cup, resin, or GRS Thermo-Loc to create a custom fixture for holding. If you need advice on what to use for a certain project, feel free to contact us for recommendations.



Inside Ring Engraving Holder

This unique holder secures rings, allowing easy access to the inside. It can be hand-held or mounted in a vise. Made by GRS from solid steel to last a lifetime.

#004-697



Ring Clamps

These leather-faced ring clamps let GRS Blocks hold rings securely from the outside for setting stones, bright cutting, engraving, and finishing while using a block. Included in the 520 Attachment Set (#003-520).

#003-550



Scope Ring Fixture

Similar to the Horizontal Ring Holder (#004-679), this larger fixture holds rifle scope rings from the inside. It works with all GRS blocks and most vises. Fits 1" and 30 mm inner diameter scope rings. Includes holder body, two collets, expansion cone, screw, and wrench.

#004-699

Tag! You're it.

Show off your work with **#GRS** and **#GRSTools** on Twitter, Instagram, and Facebook.

Inside Ring Holders

These fixtures securely hold rings from the inside, giving easy access for stone setting and ring engraving. Use in any GRS block and most vises. Both include holder body, seven collets, expansion cone, screws, and wrench.



Horizontal

#004-679



Vertical

#004-847



Extra Collet Set

Set is compatible with the Horizontal Inside Ring Holder (#004-679), Vertical Inside Ring Holder (#004-847), and Inside Ring Mandrel (#004-589). Includes seven (7) collets, expansion screw, and wrench.

#004-616



Handheld Ring Clamp

Replaceable jaw inserts hold rings securely and without marring for stone setting, filing, and finishing. It is similar to the BenchMate holder, but lighter for hand use. Machined from solid aluminum or steel.

#004-625



Shown assembled with 18.5 mm Mandrel and Standard Cone.

ID Ring Holder

The compact and portable ID Ring Holder is a great alternative to bulkier and more expensive choices. This ring holder is a good economical option when users need a simple, functional, and quality workholding solution. Use with any GRS block or vise.

This ID Ring Holder is not compatible with GRS BenchMate; see the Stone Setter's Package for either BenchMate Encore for a compatible ID Ring Holder fixture.

Includes: (1) Ring Holder Body, (2) Sets of 10 Mandrels, (2) Standard Cones, (2) Locking Cones, (1) Drawbar, (1) Drawbar Knob, (1) Hex Nut, and (1) GRS Hex Wrench. Mandrel sizes: 13.5 mm, 14.5 mm, 15.5 mm, 16.5 mm, 17.5 mm, 18.5 mm, 19.5 mm, 20.5 mm, 21.5 mm, 22.5 mm. Not for use with GRS BenchMate systems.

#004-735



ID Ring Holder Parts Kit

Use as a replacement for an existing GRS ID Ring Holder (#004-735) or to make a complete package for an Outside Frame Assembly for ID Ring Holder (#004-754).

Note: This product requires additional components to function as designed. Please order additional parts as specified in the description.

Includes: (2) Sets of 10 Mandrels, (2) Standard Cones, (2) Locking Cones, (1) Drawbar, (1) Drawbar Knob, (1) Hex Nut, (1) GRS Hex Wrench.

#004-707



PitchBowl

The PitchBowl is filled with a special material that softens when heated to hold small, fragile, or irregular pieces for engraving, setting, and finishing. Fits any vise or engraving block.

Dimensions (LxWxD): 5" x 3.5" x 0.5".

#003-022

TECH TIP: Heating Pitch

Always take appropriate safety measures when heating any material!

Heat either the pitch or the workpiece with care before embedding an item. Use an electric heat gun for best results.

A small torch may also work, but do not overheat the pitch or use a direct flame that causes smoke.



Outside Frame Assembly for the ID Ring Holder

Get better clearance and more angles for engraving and stone setting while working on rings. The set screws may be removed (as shown) for free positioning or installed to help position the frame in a vise. Use with the ID Ring Holder (#004-735) or with the ID Ring Holder Parts Kit (#004-707).

Note: This product requires additional components to function as designed. Please order additional parts as specified in the description.

#004-754



Molded ID Mandrels

Set of 10 Molded ID Mandrels.

#004-705



ID Ring Holder Expansion Kit

The ID Ring Holder Expansion Kit includes a longer drawbar and a double-sided cone to accommodate two identical mandrels at once, allowing users to work on two rings at the same time or one wider ring.

ID Ring Holder and parts sold separately.

#004-755

Shown assembled; parts not included.



PitchCup

The PitchCup is filled with a special material that softens when heated to hold fragile, small, or irregular pieces for engraving, stone setting, and finishing. Fits most vises, blocks, and the GRS BenchMate.

Diameter: 2" (50 mm).

#004-660



PitchCup Only, No Pitch

Fill with pitch or GRS Thermo-Loc.

#004-659

Pitch Only, 1 lb

#002-230

Third-Hand Attachment with Weighted Base

With unequal flexibility, a GRS Third-Hand Attachment can twist, rotate, and bend in all directions for maximum usability. Installed on a weighted base, this hand helps reduce bench clutter and speed up soldering jobs. GRS Third-Hand Attachments make precise soldering easy by holding parts in the exact position needed.



Standard Third-Hand on Weighted Base

Dimensions (LxWxH): 3" x 3" x 12" (76.25 mm x 76.25 mm x 305 mm).

#004-568



Short Third-Hand on Weighted Base

Dimensions (LxWxH): 3" x 3" x 9" (76.25 mm x 76.25 mm x 228.5 mm).

#004-689

Third-Hand Jaw Points

These Jaw Points are made to work with GRS Third-Hand Attachments. Jaw Points are sold individually, so make sure to order two (2) per Third-Hand Attachment.



Optional Tungsten Jaw Point for Third-Hand, Single

The Optional Tungsten Jaw Points are for high-temperature work, including platinum work.

#004-097TUNG



Standard Jaw Point for Third-Hand, Single

#004-097

Third-Hand Attachments with Soldering Station

GRS Third-Hand Attachments make precise soldering easy by holding parts in the exact position needed. With unequal flexibility, these Third-Hand Attachments can twist, rotate, and bend in all directions. GRS Soldering Stations combine Third-Hand Attachments with durable non-asbestos solder boards. These convenient packages help reduce bench clutter and speed up soldering jobs. Sits on a bench or fits BenchMate fixed mounting plate. Max 600°F (316°C).



Standard Double Third-Hand Soldering Station

Includes two removable standard Third-Hand Attachments and 6" (150 mm) square solder board on a rubber-footed steel platform.

Max 600°F (316°C).
Dimensions (LxWxH): 6" x 6" x 12" (152.2 mm x 152.2 mm x 305 mm).

#004-570



Short Double Third-Hand Soldering Station

Includes two short Third-Hand Attachments and 6" (150 mm) square solder board on a rubber-footed steel platform.

Max 600°F (316°C).
Dimensions (LxWxH): 6" x 6" x 9" (152.2 mm x 152.2 mm x 228.5 mm).

#004-545

High-Temp Soldering Platform

This platform is for platinum and other metal work. Works great with GRS Third-Hand Attachments.

Max 3200°F (1760°C). Size: 6" (150 mm) square.

#004-691



Soldering Boards

Perfect for use with GRS Third-Hand Attachments. Max 600°F (316°C).



6" Soldering Board

#004-129



4" Soldering Board

#004-130

TECH TIP:

Soldering or...?

Always take appropriate safety measures when heating any material.

At some point in time, the terms we all use for heating and joining metal with solder became...a little confusing. While many refer every day to the term *soldering* for jewelry work, most jewelers are actually *brazing* instead.

So what's the difference? Filler metals (solder) that melt below 840°F are used for soldering, often noted as *soft soldering* for temps below 800°F. Higher melting temperatures are for brazing or *hard soldering*.

Regardless of the technical terms, be sure your equipment can handle the temperatures you need to complete a task AND be safe. High-temp boards and jaw points may be the better choice for most jewelers.



GRS Metal Former

Easily shape C-style bracelets with the GRS Metal Former. The die cup contains a soft alloy material that supports pressure from the die but does not distort engraved work. The die cup material can be reformed by heating. Former includes two different fixed die sizes and one adjustable die cup for strips 0.25" (6.35 mm) up to 1.25" (31.75 mm) wide. Recommended for soft metals such as copper, silver, and gold alloys at a thickness of 0.030" to 0.080" (0.76 mm to 2.03 mm).

Includes former body, two dies, one die cup, and wrench. Bracelet / bracelet materials not included.

#004-725



Urethane Die Cup & Flat Die Set

This optional accessory for the GRS Metal Former (#004-725) has a conformable urethane die cup and a flat forming die for low dome and other bracelets with flat inside surfaces. It also can be used for non-traditional jewelry metals, including some stainless steels up to 0.080" (2 mm) thick. Includes Die Cup and Flat Die. GRS Metal Former not included.

#004-726

TECH TIP: Forming Metal

Making bracelets embellished with hand engraving and stone setting can be a great addition to the jewelry you offer. A layer of masking or painter's tape on your bracelet can provide even more protection while forming, especially if your metal is annealed.

If hand engraving is part of your bracelet design, it is best to first engrave the metal and then form the bracelet shape.

For adding stones to a bracelet, setting should be done after forming in most cases.



GRS Ring Size Cutter

The GRS Ring Size Cutter simplifies ring sizing by removing an exact amount of ring shank. The cut is precisely to size and always parallel so soldering is neat and fast. Never again have an uneven or incorrect cut. Use the single cut pieces later for upsizing. Secure to a bench or other sturdy surface before use, and always wear appropriate safety glasses when cutting metal. *Note: For gold or silver rings only.*

USA / British Model

Includes 7 cutters from USA / British size 1/2" to 2", in 1/4" increments.

#004-642

Metric Model

Includes 9 cutters from 1 mm to 5 mm, in 0.5 mm increments.

#004-643



Replacement USA / British Cutter Kit

Includes 7 cutters.

#004-585



Replacement Metric Cutter Kit

Includes 9 cutters.

#004-600

Save your metal scrap!

Gold and silver cuts from the GRS Ring Size Cutter can be recycled or used later for upsizing rings.



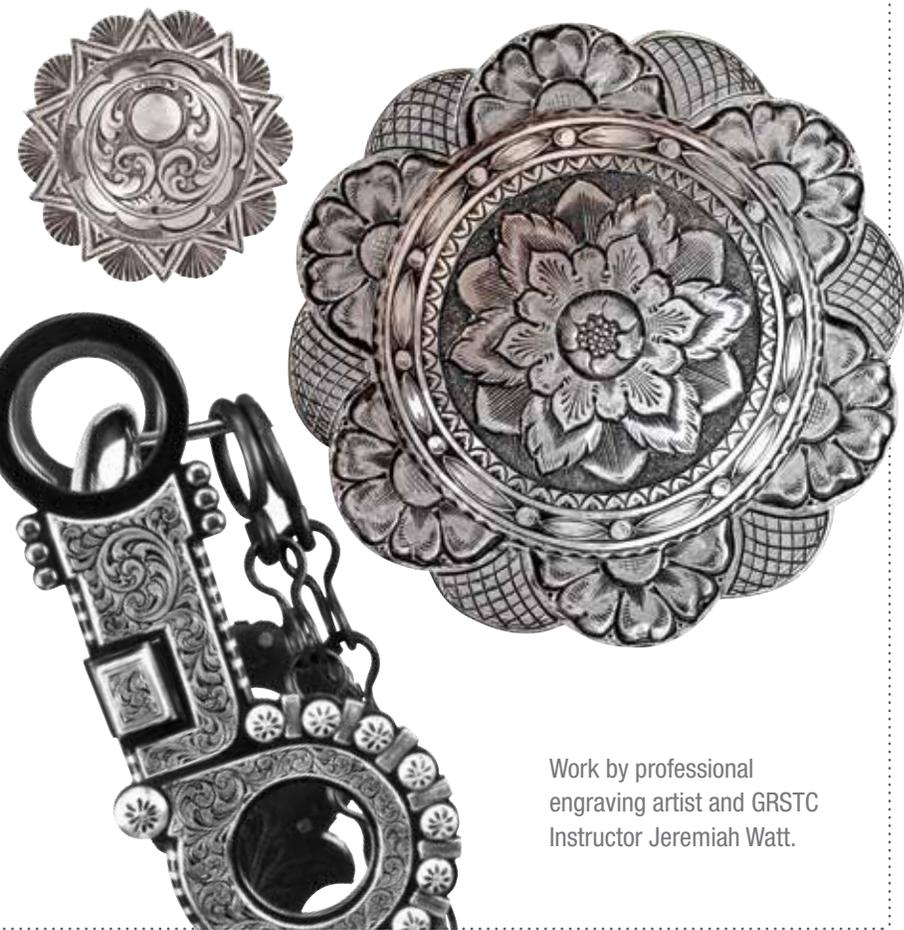
Tool Sharpening

Tool sharpening is one of the most important aspects of engraving and stone setting. The GRS Power Hone system provides accurate edges in less time than traditional sharpening.

Keeping a sharp edge on your tools is important for making clean cuts in the metal with more control and less effort.

“The Power Hone is a must for those who want to be an engraver. The steps walk you through by seeing actual pictorials of the settings that will result in a graver piece ready to start cutting even if you never had sharpened a 90 degree, 120 degree or better yet any cutting edge on a graver.”

— RAY NEGRON, VALRICO, FL



Work by professional engraving artist and GRSTC Instructor Jeremiah Watt.





POWER HONE & ACCESSORIES

Sharpen gravers and tools in seconds without tool-damaging heat. The GRS Power Hone provides a sharper, stronger tool edge for brighter cuts, cleaner lines, and finer shading. Fixtures from GRS make accurate tool geometry an easy task.



Power Hone Complete Dual Angle System

Complete Dual Angle System includes:

- Power Hone
- Dual Angle Sharpening Fixture
- Quick Wheel Change Adapter
- 260 and 600 Diamond Wheels
- Ceramic Lap
- 1/2 Micron Diamond Spray
- Wheel Storage Rack

Choose Model

115 V / 60 Hz
#003-577

230 V / 50 Hz
#003-572



Power Hone Basic System

Spend less time sharpening tools compared to using a traditional stone or wheel. The Power Hone Basic package includes:

- Power Hone
- Quick Wheel Change Adapter
- 600 Grit Wheel

115 V
#001-525B

230 V
#001-543B



Additional wheels, rack, fixture, and spray sold separately.

TECH TIP:

Diamond Spray

1 Shake bottle thoroughly

2 Apply to surface
Cast Iron Lap, Ceramic Lap, or leather is recommended

3 Polish tool for desired finish

Please note: Diamond Wheels **do not** need an application of Diamond Spray.

Diamond Spray

For use with Ceramic Lap (#002-415), Cast Iron Lap (#002-412), and other surfaces, this atomized spray bottle contains 2 fluid ounces of diamond spray.

Please note: All diamond spray shipped by Air Freight will be non-flammable. Item number will end with "NF."



Need help with sharpening?

Visit our website for quick setup videos, product demonstrations, and helpful tips.



Watch videos on [youtube.com/grstools](https://www.youtube.com/grstools)



Power Hone Complete QC System

Complete QC System includes:

- Power Hone
- QC Sharpening Fixture
- Quick Wheel Change Adapter
- 260 and 600 Diamond Wheels
- Ceramic Lap
- 1/2 Micron Diamond Spray
- Wheel Storage Rack

115 V / 60 Hz

#003-610

230 V / 50 Hz

#003-611



Power Hone Complete Standard System

Complete Standard System includes:

- Power Hone
- Standard Sharpening Fixture
- Quick Wheel Change Adapter
- 260 and 600 Diamond Wheels
- Ceramic Lap
- 1/2 Micron Diamond Spray
- Wheel Storage Rack

115 V / 60 Hz

#003-510

230 V / 50 Hz

#003-557

5" (125 mm) Diamond Wheels

Go from coarse to fine sharpening without heat using the GRS Power Hone and these Diamond Wheels. When ordering both a Power Hone package and one or more diamond wheels, check listed Power Hone contents to avoid duplicates. Size: 5" (125 mm).



180 Grit "Gator"

#011-194



260 Grit (coarse)

#002-138



600 Grit (medium)

#002-055



1200 Grit (fine)

#002-139

Cast Iron Lap

This precision-ground lap, made from superior cast iron, provides a long-lasting finish on tools. Even the latest high-tech abrasive materials cannot match the finish. Both sides are prepared for sharpening to double the life of the lap. For use with tool steel, high-speed steel, or hardened carbon steel. 1 Micron Diamond Spray (#002-754) recommended. Size: 6" (150 mm).



Cast Iron Lap

#002-412

6" (150 mm) Ceramic Lap

After sharpening with GRS Diamond Wheels, get the perfect polish for finishing tools with the 6" / 150 mm Ceramic Lap. A mirror finish is a must for Western bright cuts, engraving for jewelry, and sparkling lettering. For use with most gravers and tools. Requires Diamond Spray for best performance. 1/2 Micron Diamond Spray (#002-753) recommended. Size: 6" (150 mm).



Ceramic Lap

#002-415

Wheel Blanks

Precision aluminum wheel blanks allow users to make special sharpening or polishing wheels by attaching abrasive paper, leather, and similar surfaces.



5" (125 mm)

#002-129

6" (150 mm)

#002-537

Wheel Storage Rack

Protect and organize up to five wheels with this convenient storage rack. Steel construction. Rack only. Wheels sold separately.

#001-694



Dual Angle Sharpening Fixture

The front end features an accurate and secure locating seat for gravers and a wide variety of tools. With two degree dials, the elevation and rotation angle can be set quickly. The vertical locating post and the mating slide collar are made from precision-ground stainless steel.



With Post Assembly

#003-570

Fixture Head Only

Head only. Post not included.

#003-571



Quick Change Sharpening Fixture

Insert a tool in the QC-compatible fixture opening and sharpen. It has two degree dials, plus a unique detent system to make sharpening faster.



With Post Assembly

#003-580

Fixture Head Only

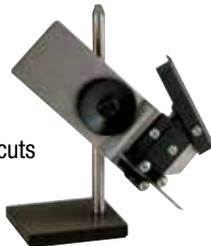
Head only. Post not included.

#003-581



Standard Graver Sharpening Fixture

Sharpen tools accurately by setting the precise angle with the degree dial. Save time and get a better edge for making the cleanest, smoothest cuts ever. Holds tools with or without handles.



With Post Assembly

#003-100

QC Locking Adapter Kit

Make sharpening even faster with this adapter for the Dual Angle Sharpening Fixture. This kit adapts the GRS Dual Angle Sharpening Fixture for sharpening tools and gravers that are mounted in QC Tool Holders. The kit includes two adapter bodies that locate the QC Tool Holder by its locating slot. One adapter body is designed for either up or down slot positions, the other for left or right.



#003-706



Graver not included.

EasyGraver Sharpening Fixture

The design of the EasyGraver Sharpening Fixture is based on the standard geometries that we observed in use by hundreds of engraving artists and jewelers throughout the world over many years.

Two separate models are available: 120° or 105°, both for creating V-point gravers. For hand engravers and jewelers who currently use other geometries, the time it takes to adjust to these presets is outweighed by the benefits of accuracy and efficiency.

Please note that the required Post Assembly (#003-502) IS NOT INCLUDED and must be purchased separately.

105 Degree V-Point Model

#003-701

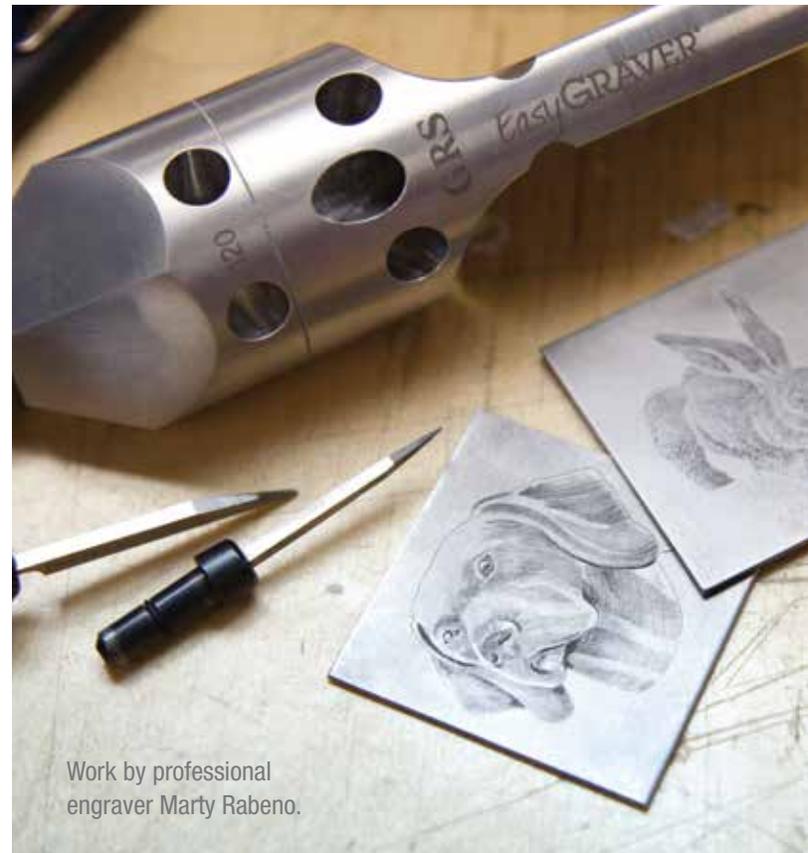
120 Degree V-Point Model

#003-700

Post Assembly for GRS Fixtures

Use this post with any GRS fixture. Check details on fixture before purchasing as some may include this product.

#003-502



Work by professional engraver Marty Rabeno.

ACCU-FINISH®

The Accu-Finish® line has products to make roughing and finishing an easier, more accurate task.

Visit accu-finish.com for more.

Here are the top 8 benefits for machinists:

- 1 Sharpen with no heat**
- 2 Make custom tools**
- 3 Hone sharper edges**
- 4 Improve finishes**
- 5 Eliminate chatter**
- 6 Get precise geometry**
- 7 Save money by resharpener**
- 8 Utilize a variety of materials**



Accu-Finish Series ONE

The Accu-Finish Series ONE is designed so smaller shops can give a high-performance cutting edge to carbide, ceramics, cermets, HSS, and many PCD/CBN tools.

This low-speed machine is simple and safe to use. A great tool finisher for any metal or woodworking shop, the Series ONE allows users to set the table elevation and protractor angle for custom geometry. Compact for portability.

Works with 5" or 6" diameter diamond wheel with 1/2" arbor hole and 1/8" drive pin hole. The solid stainless steel table has a built-in protractor and a removable tool guide. Wheels sold separately. Dimensions: 18" x 17" x 11" (457.2 mm x 431.8 mm x 279.4 mm).

PRODUCT FEATURES

- Continuous duty / thermally protected motor
- 240 RPM with dual belt reduction
- Table can be free to traverse across wheel or locked
- Low speed for no heat sharpening

115 V Machine
#001-599B

220 V Machine
#001-599B-220



BG Diamond Wheels

Accu-Finish BG Diamond Wheels are designed to be affordable and long lasting. Diamond wheels stay flat without grooving and do not require dressing. BG wheels are 6" OD by 1" wide for use up to 3600 RPM.

Not for use with the Accu-Finish Series ONE.

Please note: When ordering a wheel, please specify 1/2" (#001-334), 5/8" (#001-335), or 3/4" (#001-336) arbor size to complete the wheel. Add \$9.40 for arbor.

60 Grit (rough)
#001-328

80 Grit (coarse)
#001-329

100 Grit (medium rough)
#001-330

180 Grit (medium)
#001-331

220 Grit (medium fine)
#001-332

360 Grit (fine)
#001-333



Conversion Table

Convert a Power Hone Model B (#001-525B) into an Accu-Finish Series ONE. Please note: Conversion loses Quick Wheel Change capability. Power Hone sold separately. Contact GRS for details.

#001-962

Gravers & Accessories

We carry a wide variety of standard gravers, as well as liners, beading tools, burs, and more. Organize tools with our QC storage system, and change tools out fast with QC Tool Holders.

Choosing Gravers

Not sure what you need? Check out our recommendations on how to use gravers.

 **V-Point** The V-Point works well for general engraving and comes shaped in several geometries such as 90, 105, and 120 degrees.

 **Flat** The Flat is the preferred graver for many artists cutting Western bright cut and lettering. Smaller widths work best for lettering, while larger widths are commonly used for large bright cuts.

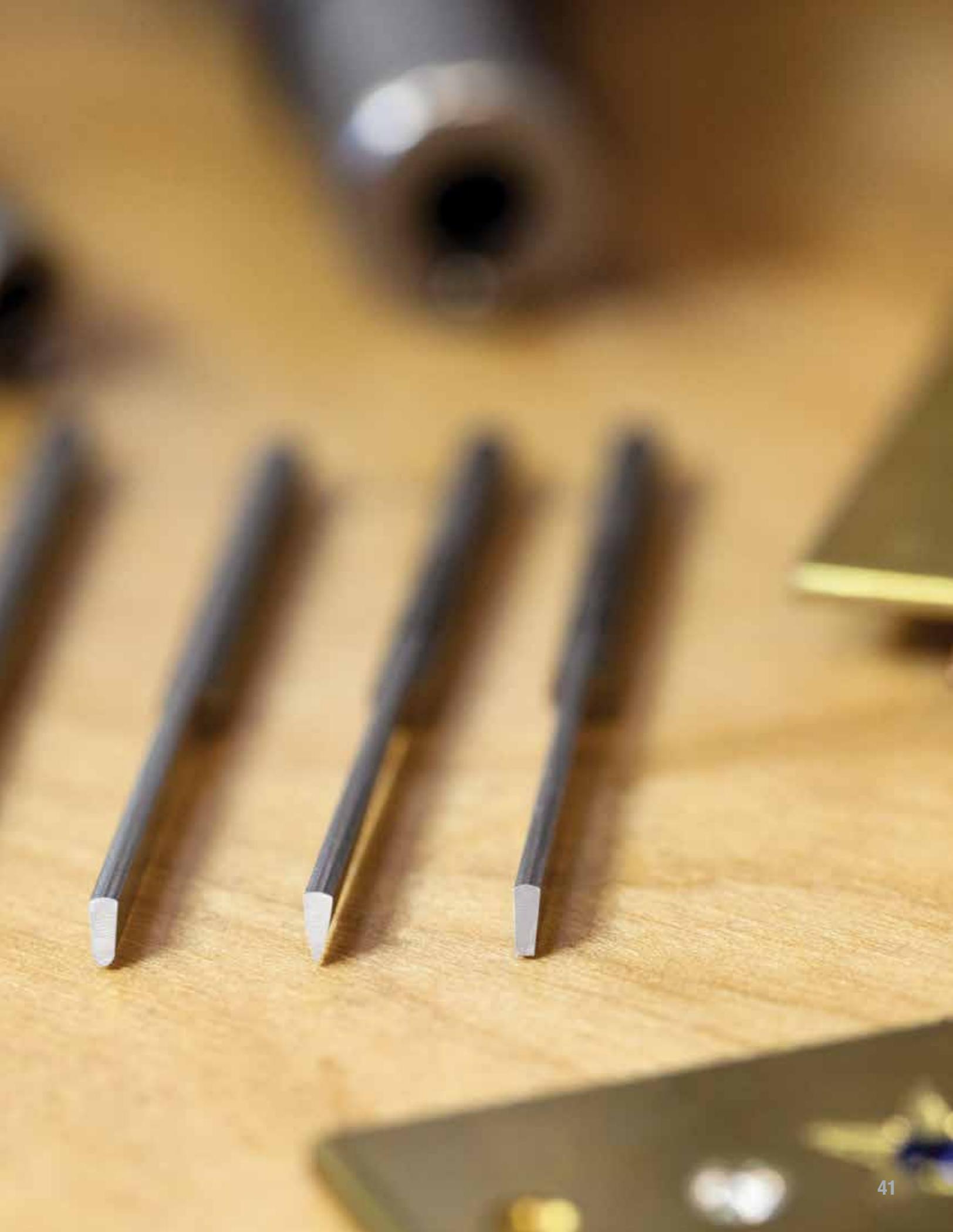
 **Onglette** Once the standard graver, the Onglette is mainly used for jewelry engraving and stone setting because of the narrow profile.

 **Round** The Round is often reserved for specialty cuts such as sculpting and some lettering styles.

 **Knife** A more delicate version of a V-Point, the Knife provides an extremely narrow cut. Not as versatile as a V-Point, this shape can be used for many of the same applications.

 **Liner** The Liner (or Line Graver) saves time by cutting multiple parallel lines. This is mainly used in Western shading but can be used for background removal and texturing.





C-MAX CARBIDE

Years of development led to this tungsten carbide graver with the right blend of hardness and toughness for hand engraving and stone setting applications. Try these tools and do better work in noticeably less time.



Blanks



Onglette



RFF Point



Tapered Round



Stepped Round



V-Point



Tapered Flat



Parallel Flat



Narrow Bevel

TECH TIP:

Hand Push

Need a simple setup? The C-Max Burin Kit is a good choice for hand push. Sharpening equipment is needed for any graver.

Burin & Kit

This GRS Burin is a special tungsten carbide graver made for hand engraving, especially intaglio printmaking.

Diameter: 0.125" (3.17 mm).

Length: 3" (75 mm).

C-Max Burin Kit

Includes C-Max Burin, Graver Handle, and Allen wrench.

#044-504

C-Max Burin

Includes C-Max Burin only.

#022-620



Blanks

Create precise graver geometry that works for any job.

■ 3/32" Square Length: 2" (50.8 mm) #022-610

Use with Traditional QC Tool Holder (#004-803).

■ 2 mm Square Length: 1.96" (50 mm) #022-612

Use with Traditional QC Tool Holder (#004-803).

● 1/8" Round Length: 2" (50.8 mm) #022-611

Use with QC Tool Holder for 1/8" Round (#004-873).

● 2.35 mm Round Length: 1.77" (45 mm) #022-393

Use with QC Tool Holder for 3/32" Round (#004-853).

● 1.8 mm Round Length: 2" (50.8 mm) #022-622

10 Pack: 1.8 mm Round #022-780

Use with QC Tool Holder for 1.8 mm Tools (#004-852).

Onglette

Length: 1.8" (45.72 mm), Diameter: 0.125" (3.175 mm).

Use with QC Tool Holder for 1/8" Round (#004-873).

▼ Onglette Size #0 #022-625

▼ Onglette Size #1 #022-626

▼ Onglette Size #2 #022-627

▼ Onglette Size #3 #022-628

▼ Onglette Size #4 #022-629

▼ Onglette Size #5 #022-630

RFF Point Graver

Length: 1.8" (45.72 mm), Diameter: 0.125" (3.175 mm).

Use with QC Tool Holder for 1/8" Round (#004-873).

▼ RFF Point Graver, 30° #022-792

▼ RFF Point Graver, 45° #022-793

▼ RFF Point Graver, 60° #022-794

▼ RFF Point Graver, 75° #022-795

▼ RFF Point Graver, 90° #022-796

▼ RFF Point Graver, 105° #022-797

▼ RFF Point Graver, 120° #022-798

Tapered Round



Length: 1.8" (45.72 mm). Shank diameter: 0.125" (3.175 mm). Use with QC Tool Holder for 1/8" Round (#004-873).

Tapered Round #50, 0.2 mm	#022-680
Tapered Round #51, 0.4 mm	#022-681
Tapered Round #52, 0.6 mm	#022-682
Tapered Round #53, 0.8 mm	#022-683
Tapered Round #54, 1.0 mm	#022-684
Tapered Round #55, 1.2 mm	#022-685
Tapered Round #56, 1.4 mm	#022-686

Stepped Round



Length: 1.77" (44.96 mm). Tool Point Length: 15 mm. Diameter: 2.35 mm. Use with QC Tool Holder for 3/32" Round (#004-853).

Taper Point Carbide	#022-791
Stepped Round 0.8 mm	#022-782
Stepped Round 1.0 mm	#022-783
Stepped Round 1.2 mm	#022-784
Stepped Round 1.4 mm	#022-785
Stepped Round 1.6 mm	#022-786
Stepped Round 1.8 mm	#022-787
Stepped Round 2.0 mm	#022-788
Stepped Round 2.2 mm	#022-789

Stepped Round Set

Set of 10 (1 each of: 022-393, 022-782, 022-783, 022-784, 022-785, 022-786, 022-787, 022-788, 022-789, 022-791). #022-854



V-Point



Use with QC Tool Holder for 1/8" Round (#004-873).

60° V-Point	#022-615
75° V-Point	#022-616
90° V-Point	#022-617
105° V-Point	#022-618
120° V-Point	#022-619

Parallel Flat



Length: 1.8" (45.72 mm). Diameter: 0.125" (3.175 mm). Use with QC Tool Holder for 1/8" Round (#004-873).

Parallel Flat #38, 0.6 mm	#022-712
Parallel Flat #39, 0.8 mm	#022-713
Parallel Flat #40, 1.0 mm	#022-714
Parallel Flat #41, 1.2 mm	#022-715
Parallel Flat #42, 1.4 mm	#022-716
Parallel Flat #43, 1.6 mm	#022-717
Parallel Flat #44, 1.8 mm	#022-718
Parallel Flat #45, 2.0 mm	#022-719

Tapered Flat



Length: 1.8" (45.72 mm). Shank diameter: 0.125" (3.175 mm). Use with QC Tool Holder for 1/8" Round (#004-873).

Tapered Flat #36, 0.2 mm	#022-723
Tapered Flat #37, 0.4 mm	#022-724
Tapered Flat #38, 0.6 mm	#022-725
Tapered Flat #39, 0.8 mm	#022-726
Tapered Flat #40, 1.0 mm	#022-727
Tapered Flat #41, 1.2 mm	#022-728
Tapered Flat #42, 1.4 mm	#022-729
Tapered Flat #43, 1.6 mm	#022-730
Tapered Flat #44, 1.8 mm	#022-731
Tapered Flat #45, 2.0 mm	#022-732

Narrow Bevel



Length: 1.8" (45.72 mm). Diameter: 0.125" (3.175 mm). Use with QC Tool Holder for 1/8" Round (#004-873).

Narrow Bevel, 90°	#022-667
Narrow Bevel, 105°	#022-668
Narrow Bevel, 120°	#022-669



FIND QC TOOL HOLDERS ON PAGE 50.

GLENSTEEL

This special high-speed steel is offered exclusively by GRS for tough engraving and stone setting. GlenSteel is cobalt-free, eliminating the concerns of cobalt exposure during tool sharpening and use.



Blanks



Onglette



RFF Point



Tapered Round



Stepped Round



V-Point



Tapered Flat



Parallel Flat



Narrow Bevel

TECH TIP:

Metal Types

What's the difference in high-speed steel, carbides, C-Max, GlenSteel, and other materials used for gravers? While the details can get very technical, the most important aspect of graver material is how it holds up against the metal you are engraving.

Today's alloys of steel, stainless steel, and even titanium are a challenge for the modern engraver. The graver material must be hard enough to cut but not so hard as to break easily.

The GRS X-7, C-Max, and GlenSteel graver metals are made to be tough and ready to perform. Want more of the technical specs? [Visit GRS.com](http://GRS.com) for content on graver materials, geometry, and how to keep an edge sharp longer.

Blanks

Create precise graver geometry that works for any job.

◆ Square Length: 2.7" (70 mm). #002-115

Use with Traditional QC Tool Holder (#004-803).

■ Flat Length: 2.7" (70 mm). #002-116

Use with Traditional QC Tool Holder (#004-803).

■ Blank Length: 2.7" (70 mm). #002-120

Use with Traditional QC Tool Holder (#004-803).

● 1/8" Round Length: 2.5" (63.5 mm) #022-585

Use with QC Tool Holder for 1/8" Round (#004-873).

● 2.35 mm Round Length: 2" (50.8 mm) #022-586

Use with QC Tool Holder for 3/32" Round (#004-853).

Onglette

Length: 2.3" (58.42 mm). Diameter: 0.125" (3.175 mm).

Use with QC Tool Holder for 1/8" Round (#004-873).

▽ Onglette Size #0 #024-220

▽ Onglette Size #1 #024-221

▽ Onglette Size #2 #024-222

▽ Onglette Size #3 #024-223

▽ Onglette Size #4 #024-224

▽ Onglette Size #5 #024-225

RFF Point Graver

Length: 2.3" (58.42 mm). Diameter: 0.125" (3.175 mm).

Use with QC Tool Holder for 1/8" Round (#004-873).

▽ RFF Point Graver, 30° #024-259

▽ RFF Point Graver, 45° #024-260

▽ RFF Point Graver, 60° #024-261

▽ RFF Point Graver, 75° #024-262

▽ RFF Point Graver, 90° #024-263

▽ RFF Point Graver, 105° #024-264

▽ RFF Point Graver, 120° #024-265

Tapered Round

Length: 2.3" (58.42 mm). Tool Point Length: 1.03" (26.162 mm). Diameter: 0.125" (3.175 mm). Use with QC Tool Holder for 1/8" Round (#004-873).

	Tapered Round #50, 0.2 mm	#024-228
	Tapered Round #51, 0.4 mm	#024-229
	Tapered Round #52, 0.6 mm	#024-230
	Tapered Round #53, 0.8 mm	#024-231
	Tapered Round #54, 1.0 mm	#024-232
	Tapered Round #55, 1.2 mm	#024-233
	Tapered Round #56, 1.4 mm	#024-234

Stepped Round

Length: 2" (50.8 mm). Tool Point Diameter: 1.8 mm. Diameter: 2.35 mm. Use with QC Tool Holder for 3/32" Round (#004-853).

	Stepped Round 1.8 mm	#022-779
	10 Pack, 1.8 mm	#022-781

V-Point

Use with Traditional QC Tool Holder (#004-803).

	60° V-Point	#022-590
	75° V-Point	#022-591
	105° V-Point	#022-592
	120° V-Point	#022-593

Narrow Bevel

Length: 2.3" (58.42 mm). Diameter: 0.125" (3.175 mm). Use with QC Tool Holder for 1/8" Round (#004-873).

	Narrow Bevel, 90°	#024-267
	Narrow Bevel, 105°	#024-268
	Narrow Bevel, 120°	#024-269

Parallel Flat

Length: 2.3" (58.42 mm). Diameter: 0.125" (3.175 mm). Use with QC Tool Holder for 1/8" Round (#004-873).

	Parallel Flat #38, 0.6 mm	#024-237
	Parallel Flat #39, 0.8 mm	#024-238
	Parallel Flat #40, 1.0 mm	#024-239
	Parallel Flat #41, 1.2 mm	#024-240
	Parallel Flat #42, 1.4 mm	#024-241
	Parallel Flat #43, 1.6 mm	#024-242
	Parallel Flat #44, 1.8 mm	#024-243
	Parallel Flat #45, 2.0 mm	#024-244

Tapered Flat

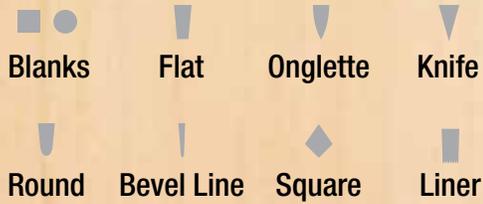
Length: 1.8" (45.72 mm). Diameter: 0.125" (3.175 mm). Use with QC Tool Holder for 1/8" Round (#004-873).

	Tapered Flat #36, 0.2 mm	#024-247
	Tapered Flat #37, 0.4 mm	#024-248
	Tapered Flat #38, 0.6 mm	#024-249
	Tapered Flat #39, 0.8 mm	#024-250
	Tapered Flat #40, 1.0 mm	#024-251
	Tapered Flat #41, 1.2 mm	#024-252
	Tapered Flat #42, 1.4 mm	#024-253
	Tapered Flat #43, 1.6 mm	#024-254
	Tapered Flat #44, 1.8 mm	#024-255
	Tapered Flat #45, 2.0 mm	#024-256



BLANKS, LINERS & MORE

From the New Traditional style to High-Speed Steel and Tungsten Carbide, we carry a wide variety of gravers for metal work.



TECH TIP: Start with a Kit

We have lots of graver choices, but these graver packages make starting up simple. Choose a kit for stone setting or hand engraving.

NTG Graver Kits

NTG Gravers are not compatible with QC Tool Holders.

Stone Setter's Kit

Onglette: 2/0, 0, 1; Flat: 37, 40, 42; Round: 50, 51, 52, 53; Knife: K1, K2.

#022-582

Engraver's Kit

Onglette: 2/0, 1, 3; Flat: 37, 38, 39, 40, 42; Round: 51, 52; Knife: K1, K2.

#022-583

QC Graver Kits

Stone Setter's Kit

Onglette: 2/0, 0, 1; Flat: 37, 40, 42; Round: 50, 51, 52, 53; Knife: K1, K2.

#022-580

Engraver's Kit

Onglette: 2/0, 1, 3; Flat: 37, 38, 39, 40, 42; Round: 51, 52; Knife: K1, K2.

#022-581

New Traditional & QuickChange Gravers

Traditional graver shapes in high-speed steel. USA, Europe, and mm size noted.

Additional sizes available. Call or visit GRS.com for more options.

NTG Flat

▼	36	N-2	0.2 mm	#022-637
▼	37	N-4	0.4 mm	#022-637
▼	38	N-6	0.6 mm	#022-638
▼	39	N-8	0.8 mm	#022-639
▼	40	N-10	1.0 mm	#022-640

NTG Onglette

▼	5/0	N-5/0	1.16 mm	#022-596
▼	3/0	N-3/0	1.35 mm	#022-598
▼	2/0	N-2/0	1.45 mm	#022-599
▼	0	N-0	1.58 mm	#022-600
▼	1	N-1	1.78 mm	#022-601

NTG Knife

▼	K-0	18	1.8 mm	#022-670
▼	K-1	20	2.0 mm	#022-671
▼	K-2	22	2.2 mm	#022-672
▼	K-3	24	2.4 mm	#022-673
▼	K-4	26	2.6 mm	#022-674

NTG Round

▼	50	N-2	0.2 mm	#022-650
▼	51	N-4	0.4 mm	#022-651
▼	52	N-6	0.6 mm	#022-652
▼	54	N-10	1.0 mm	#022-654
▼	57	N-16	1.6 mm	#022-657

QC Flat

▼	QC-37	4	0.4 mm	#022-437
▼	QC-38	6	0.6 mm	#022-438
▼	QC-39	8	0.8 mm	#022-439
▼	QC-40	10	1.0 mm	#022-440
▼	QC-42	14	1.4 mm	#022-442

QC Onglette

▼	QC-2/0	2/0	1.45 mm	#022-399
▼	QC-0	0	1.58 mm	#022-400
▼	QC-1	1	1.78 mm	#022-401
▼	QC-2	2	1.94 mm	#022-402
▼	QC-3	3	2.16 mm	#022-403

QC Knife

▼	QC-K0	18	1.8 mm	#022-470
▼	QC-K1	20	2.0 mm	#022-471
▼	QC-K2	22	2.2 mm	#022-472
▼	QC-K3	24	2.4 mm	#022-473
▼	QC-K4	26	2.6 mm	#022-474

QC Round

▼	QC-50	2	0.2 mm	#022-450
▼	QC-51	4	0.4 mm	#022-451
▼	QC-52	6	0.6 mm	#022-452
▼	QC-53	8	0.8 mm	#022-453
▼	QC-54	10	1.0 mm	#022-454

Need help with gravers?

Visit our website for recommendations, articles, and helpful tips. Subscribe to our channel for updates.



Watch videos on [youtube.com/grstools](https://www.youtube.com/grstools)

Mixed Graver Kits

Stone Setter's Kit

-  QC Onglette: 2/0, 1
-  QC Flat: 40, 42
-  QC Round: 52
-  GRS Carbide: Blank (2)
-  GlenSteel: Square (2)
-  GlenSteel: 120°

#022-525

Engraver's Kit

-  QC Onglette: 1
-  QC Flat: 37, 38, 39, 40, 42
-  GRS Carbide: Blank (2)
-  GlenSteel: Square
-  GlenSteel: 120°

#022-526

HSS (High-Speed Steel)

Made from quality heat-treated high-speed steel.

Blank

Size: 0.079" (2 mm) square by 2.5" (63.5 mm) long.

#022-340

Flat

Size: 0.079" (2 mm) square by 2.5" (63.5 mm) long.

#022-342

Square

Size: 0.079" (2 mm) square by 2.5" (63.5 mm) long.

#022-341

Wide Blank

Size: 0.125" (3.2 mm) square by 2.5" (63.5 mm) long.

#022-160

GRS X-7 Graver Blank

This super high-speed steel is extremely hard (nearly Rockwell C70) and very wear resistant. Applications include fine shading, bulino, and banknote engraving. Dimensions: 0.093" x 0.001" (2.35 mm) square. Length: 2.5" (63.5 mm).

#022-350



Bevel Line Gravers

Made of high-speed steel. For bead raising and material removal.

#1 Bevel

#002-702

#2 Bevel

#002-703

Tungsten Carbide

These are much harder than any tool steel but more brittle. Sharpen with a diamond wheel.

Blank

Size: 0.083" (2.1 mm) square by 2" (50 mm).

#002-232

Square

Size: 0.083" (2.1 mm) square by 2" (50 mm).

#002-233

Round Blank

High impact, micro-grain carbide. Diameter: 1/8". Length: 1.5" (38 mm).

#022-347

Burnisher

Used for burnish, rub-over, or "Gypsy" stone setting. Made from solid tungsten carbide. Size: 0.09375" (2.35 mm) square by 1.9" (48 mm).

#022-346

Inside Ring Gravers

Curved Ring Graver

#022-819

Two-Curve Ring Graver

#022-820

Serpentine Ring Graver

#022-818

TECH TIP: Liner Spacing

18-10 Liner ^{# of lines}
 $18 \div 2 = 9$
 Lines spaced **0.009"**

Example with an **18-10 Liner**: The first number tells the spacing in thousandths of an inch when divided by 2.

The second number shows how many lines are on the graver. Therefore, an 18-10 liner has 10 lines spaced 0.009" apart.

Straight Liners



#022-358

#022-359

#022-360

#011-026

#002-695

#002-122

#002-694

#002-693

#022-812

#022-249

Curved Liners



#022-374

#002-699

#002-698

#001-389

#002-697

#002-035

#024-075

Beading Tool Set

Hardened concave steel tools for forming beads around stones or making dot backgrounds. Set includes twelve beading tools: Size 2, 4, and 6 - 16. Tool #16 makes a 0.04" (1 mm) bead or dot.

Tool size increases by 0.002" (0.05 mm).

#002-812



Individual Beading Tools

See list below.

	Size	inches	mm	Item No.
*	0	0.008"	0.20 mm	#002-813-0
*	1	0.010"	0.25 mm	#002-813-1
*	2	0.012"	0.30 mm	#002-813-2
*	3	0.014"	0.35 mm	#002-813-3
*	4	0.016"	0.40 mm	#002-813-4
*	5	0.018"	0.45 mm	#002-813-5
*	6	0.020"	0.50 mm	#002-813-6
*	7	0.022"	0.55 mm	#002-813-7
*	8	0.024"	0.60 mm	#002-813-8
*	9	0.026"	0.65 mm	#002-813-9
*	10	0.028"	0.70 mm	#002-813-10
*	11	0.030"	0.75 mm	#002-813-11
*	12	0.032"	0.80 mm	#002-813-12
*	13	0.034"	0.85 mm	#002-813-13
*	14	0.036"	0.90 mm	#002-813-14
*	15	0.038"	0.95 mm	#002-813-15
*	16	0.040"	1.00 mm	#002-813-16
*	17	0.042"	1.05 mm	#002-813-17
*	18	0.044"	1.10 mm	#002-813-18
*	19	0.046"	1.15 mm	#002-813-19
*	20	0.048"	1.20 mm	#002-813-20
*	21	0.050"	1.25 mm	#002-813-21
*	22	0.052"	1.30 mm	#002-813-22

Millgrain Tool Set

These tools create a uniform series of decorative beads as the wheel rolls along the edges of jewelry and other metal items. Set includes six millgrain tools: 5, 7, 8, 9, 10, and 12. Each tool works almost effortlessly in GRS impact handpieces or by hand pressure.

#022-333



Ground Point Carbide Blank

Carbide tool with ground point.

#022-351



Brass Rod

This rod can be used as is or shaped to make a custom tool.

#022-159



Diamond Point Stipple Tool

Steel shank with a natural diamond lapped to a cone point. For glass and crystal stippling, jewelry texturing, and similar applications.

#002-123



Threaded Diamond Point Tool

Faceted diamond point creates a bright, sparkling texture on jewelry, which is often called a "laser" finish. Threaded steel shank.

#002-956



Threaded Round 4 mm Hammer Tip

Fits most jeweler's mechanical hammer handpieces. Can be used with a QC Tool Holder.

#011-079



Heat-Treated Steel Points

Create custom tools fast with these hardened points. They are easily made into special punches, hammer tools, bead raisers, prong pushers, stipple points, and more. All points are properly hardened and come in economical packages of six.

Short, Thin - 6 Pack

Diameter: 0.072" (1.8 mm). Length: 1.65" (42 mm).

#002-031



Short, Thick - 6 Pack

Diameter: 0.121" (3.1 mm). Length: 1.5" (38 mm).

#001-624



Long, Thin - 6 Pack

Diameter: 0.072" (1.8 mm). Length: 3.0" (76 mm).

#002-118



Diamond & Stone Bur Set

Set of four diamond and two stone burs especially for glass, stone, and similar materials. Shank size: 0.0625" (1.5875 mm).

#004-512



Carbide Rotary Bur Set

Versatile six-piece carbide assortment for most metals, wood, and general work. Shank size: 0.0625" (1.5875 mm).

#004-511



Wood Carving Bur Set

Set of twelve different sizes and shapes with 1/16" shank to make any job faster and easier to complete. Shank size: 0.0625" (1.5875 mm).

#022-927



Fox Round Bur

Set of six identical burs with 3/32" shank. Tungsten carbide. Shank size: 0.09375" (2.38 mm).

TC1-003 (3/10 mm)

#022-764

TC1-005 (5/10 mm)

#022-766

TC1-004 (4/10 mm)

#022-765

TC1-006 (6/10 mm)

#022-767



Fox Carbide Bur Set

Set of four burs with 3/32" shank. Shank size: 0.09375" (2.38 mm).

#004-795



Round Carbide Bur

1/16" (1.5875 mm) shank.

0.5 mm Round

#022-317

0.6 mm Round

#022-318



Small Wood Carving Tools

Set of six tools for most small impact handpieces.

#002-295



Traditional Shank

Small Wood Carving Tools, QC Shank

#002-295QC

Large Wood Carving Tools

Set of six tools for most large impact handpieces.

#002-371



QC Shank

Large Wood Carving Tools, QC Shank

#004-690

Wood Chisel Fits GRS QC Tool Holders.

Straight



#011-457

Curved



#011-464

QC Storage System

Organize tools with color-coordinated trays and collars. Use an included collar over each tool in a QC Tool Holder (sold separately). Each tray holds ten tools. Storage system rack holds up to 120 tools. Tools not included.

#011-219



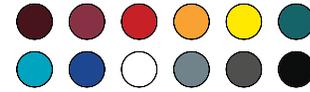
QC Storage Tray Set

With twelve trays in this set, users can easily organize up to ten tools per color. Each tray includes ten color-coordinated collars that slide over the tools above the QC Tool Holder. Tools and storage system rack not included.

#011-384



1 of 12 colored trays in this set!



The QC Storage System (#011-219) and the QC Storage Tray Set (#011-384) include one tray in each color.



Combination Tool Carousel

Holds 30 standard tools and gravers in the top tray. The bottom has four removable QC tool trays that each hold ten QC Tool Holders. Store up to seventy tools in this compact carousel.

#011-193



QC Tool Trays

Each colored tray holds ten tools using QC Tool Holders.

#011-336



QC TOOL HOLDERS

QuickChange (QC) Tool Holders are an efficient way to keep tools ready for use. QC holders are compatible with most GRS handpieces and save time by quickly fitting into different handles and handpieces.



Tools are not included with QC Tool Holders.

Traditional QC Tool Holder



Keep tools organized and ready to use. ID: 0.136" (3.45 mm).

Single Holder	#004-803
3 Pack	#004-804
10 Pack	#004-806

Soft-Hit QC Tool Holder



Get a softer energy transfer for reduced tool stress, decreased vibration, and better control with fine work. For Monarch, 901, Magnum, or System 3 handpieces only. ID: 0.136" (3.45 mm).

3 Pack	#004-870
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Extra Length QC Tool Holder



Extends tool length by 1/2" (12.7 mm) more than traditional style. ID: 0.136" (3.45 mm).

Single Holder	#004-856
3 Pack	#004-857
10 Pack	#004-858

1/8" Round QC Tool Holder



Made for 1/8" (3.175 mm) round shank tools.

Single Holder	#004-873
3 Pack	#004-874
10 Pack	#004-875

3/32" Round QC Tool Holder



Made for 3/32" (2.38 mm) round shank tools.

Single Holder	#004-853
3 Pack	#004-854
10 Pack	#004-855

1.8 mm Round QC Tool Holder



Made for 1.8 mm (0.071") round shank tools.

Single Holder	#004-852
3 Pack	#004-871
10 Pack	#004-872

Blank QC Tool Holder



Made for user customization, this blank holder has a center-drilled pilot hole.

Single Holder	#004-848
3 Pack	#004-859
10 Pack	#004-860

Graduated Length QC Handle Set

Extend tool life by utilizing length over time. As a tool is resharpened or worn down, switch to a longer handle for continued use and comfort. Made from machined stainless steel and fiber-reinforced thermoplastic. Acrylic storage tray that fits all GRS tool carousels and three handles included. Handle sizes: 2", 2.25", and 2.50" (50, 57, and 64 mm).



#004-934



QC Long Handle
2.5" (64 mm) handle.

#004-931



QC Medium Handle
2.25" (57 mm) handle.

#004-932

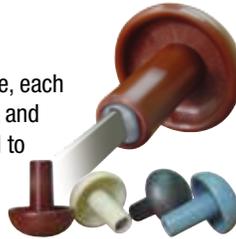


QC Short Handle
2" (50 mm) handle.

#004-933

Thermo-Loc Handles

With a similar feel to wood handles and virtually unbreakable, each handle comes with a Thermo-Loc core to hold gravers, files, and tools. Heat the Thermo-Loc core to soften and insert the tool to desired position. After the Thermo-Loc core hardens, the tool is secure and ready for use. Set includes four handles: Rosewood, Honey Beige, Pewter, and Dusk.



#004-800

GRS Chasing Hammer Set

The GRS Chasing Hammers are made from carefully heat-treated high-alloy tool steel. After heat treating, the heads have a rich black oxide color treatment applied and then each end is beautifully hand polished. The hardwood handles are made from carefully selected wood that is superior to the wood used on lower quality hammers. The combination of balance and fine craftsmanship adds precision and satisfaction to daily work.



Set includes one round and one flat hammer. 46 g / 0.100 lb / 1.6 oz.

#011-472



GRS Chasing Hammer, Flat

#011-470



GRS Chasing Hammer, Round

#011-471

GRS QC Chasing Tool Holder

Add a graver to this QC Tool Holder for hammer and chisel work.



#044-220

Adjustable Graver Handle Set

Adjust the graver length for added comfort and accuracy. Position tool to desired length and tighten lock screws. Made from aircraft-grade aluminum in three colors. Tools not included.



#004-670

Multi-Purpose Tool Holder

Collet chuck holds beading tools, prong pushers, and some gravers. Collet accepts shaft diameters up to 0.125" (0.03 mm). Length: 3.25" (83 mm).



#002-704

GRS Hand Chuck

Extremely versatile with a comfortable shape and size, this precision hand chuck holds a wide variety of tools, including many gravers. The two-jaw chuck is made of hardened and ground steel with a V-notch in each jaw for superior grip. Length: 2" (51 mm).



#004-000

GRS QC Hand Handle

Change tools quickly and get a comfortable grip while working. Switch from air-assisted work with a GRS Handpiece to manual hand work with this QuickChange handle. Includes 3 Traditional QC Tool Holders (#004-803).



#004-805



Microscopes & Optical Tools

Choose from a range of high- and low-power optics for optimal work magnification when hand engraving or stone setting.

"I've been intending to thank you for my GRS-Meiji Microscope System. I do love it so. The benefits have greatly exceeded my expectations. The expectations were stone setting and maybe engraving.

The unanticipated benefits: my comfort level has increased by using the scope in quality control of jewelry repairs; my worry that my desire to do jewelry work would outlast my aging eyes has decreased; we now have a backup to our GIA scope for examining stones and mounting; and I've started using it in our growing watch repair business. Thanks. I need that."

— PHIN W. SAPPENFIELD

Work by knifemaker / engraver and GRSTC Instructor Rick Eaton.







Acrobat Stand

This innovative GRS Acrobat Stand is a truly flexible solution for the Meiji EMZ-5 Microscope for Acrobat (#003-563NFB). Quickly adjust vertically and horizontally to a variety of workholding situations, or swing the Acrobat Stand to either side when not in use. Set the arm resistance as desired or lock it in position. The built-in headrest reduces neck and back strain.

#003-630

Headrest Kit For GRS Stands

Reduces neck and back strain. Included with the Acrobat Stand (#003-630); NOT included with the Original Stand (#003-564).

#003-584



Utility Shelf

Add extra space for tools with this sturdy 16" x 11.5" shelf. Made from solid 1/4" aluminum with a tough, textured, powder-coated finish, this shelf locks into any position or rotates freely. Made to mount on a GRS Microscope stand or a 1.125" diameter post.

#003-680



Ask about our Utility Shelf Bracket Kit.

GRS Ball Pivot Camera Mount

Attach to either side of the GRS Acrobat Stand for a lightweight mount without adding length to the focus block. Get a wide range of positioning options with the installed RAM ball mounting components; other user-installable RAM products may be purchased separately.

#003-678



C-Mount with 0.6X Lens

Video cameras with a "C" type lens mount (1" diameter thread) may be mounted using C-Mount attachments.

#003-626



Meiji EMZ-5

With magnification up to 22.5X, the EMZ-5 significantly expands the range of jobs a user can accomplish. Includes stereo zoom microscope body, focus block needed for original stand, 10X eyepieces (see details) and 0.5X objective lens.



EMZ-5 for Acrobat Stand

Comes with 10X wide-field eyepieces.
#003-563NFB

UPGRADE: Meiji 20X Eyepieces

#022-106



EMZ-5 for Acrobat for Glasses

Comes with 10X eyepieces for glasses (#003-648).
#003-563NFB-G

ALSO AVAILABLE SEPARATELY:

Meiji 10X Eyepieces for Glasses

#003-648

EMZ-5 for Original Stand

Comes with 10X wide-field eyepieces.
#003-563

Protective Glass Cover

Protective cover for GRS / Meiji EMZ microscope lenses. Use this glass cover in place of the objective lens.
#003-350



0.3X Objective Lens

Extends the Meiji EMZ-5 working distance to 251 mm.
#003-591



0.75X Objective Lens

Extends the Meiji EMZ-5 working distance to 97 mm.
#024-131

Meiji EMZ-8TR

This microscope is a trinocular body with a working distance of 104 mm (not including objective lens). This stereo zoom model benefits from light being directed into all three viewing ports simultaneously. Body only; required objective lens and eyepieces sold separately. Special order only; contact GRS to order. #003-613



Required Parts

0.5X Objective Lens for EMZ-8TR

Working distance: 6.85" (174 mm).

#003-614



Acrobat Mount Kit

For use with EMZ-8TR and Acrobat Stand.

#003-637



Meiji 10X Eyepieces for EMZ-8TR

#003-566



TECH TIP:

Comparing Scopes

How do the microscopes compare? Check out the specs listed below.

<i>Using 10X Eyepieces and 0.5X Objective Lens</i>	EMZ-5	EMZ-8TR
Body	Binocular	Trinocular
Zoom Ratio	6.5:1	6.5:1
Zoom Range	0.7X - 4.5X	0.7X - 4.5X
Magnification	3.5X - 22.5X	3.5X - 22.5X
Field of View	65.6 mm - 10.2 mm	65.7 mm - 10.2 mm
Working Distance	148 mm	174 mm
Eyepiece Inclination	45°	45°
Dioptic Adjustment	Dual (+/- 5 diopters)	Dual (+/- 5 diopters)
Extended Range	2.1X - 270X	2.1X - 270X

Need advice? Call us.

Call 800-835-3519 to speak with a friendly GRS team member about choosing the right scope.



TECH TIP:

Choosing the Right Magnification

Most professional engraving artists agree: magnification can significantly increase the work quality. Stone setters may rely on a microscope for absolute technical precision, while some hobbyists may use lower-powered optics because they enjoy working in metal.

Before choosing the best optics for you, consider your goals for engraving or stone setting. High-precision work may require the magnification of a microscope

to see fine detail. For larger workpieces and some engraving styles, an Optivisor or jeweler's loupe will provide sufficient magnification.

The images at right show an example of typical magnification using an Optivisor compared to a Meiji EMZ microscope.

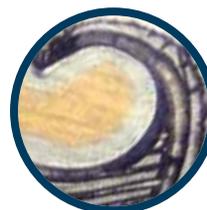
Need advice? Call GRS at 800-835-3519 if you have questions about selecting your optical equipment.



Nickel Silver Engravable Key Tag (#003-303) engraved by Jake Newell. Shown at actual size.



Shown with a 2.5X magnification, this image represents what the above key tag would look like with a #5 Optivisor (#002-711).



This image is shown at 10X actual size, which is less than half of the maximum magnification of the Meiji EMZ Series microscopes.

Optivisor

The Optivisor helps users see work better. It features ground plastic lenses and an adjustable headband. Includes a special kit for changing the position of each lens. We recommend starting out with Optivisor #5 for first-time users.



#7 (2.75 Power)

#002-712

#5 (2.50 Power)

#002-711

#3 (1.75 Power)

#002-710

Replacement Lenses

#002-967

Replacement Lenses

#002-966

Replacement Lenses

#002-965

Optiloupe Kit

This kit adds an extra 2.5X to the Optivisor. Swings away when desired.

#022-119



Chrome Finish Eye Loupe

High-quality optics allow close inspection of tools and work with a 10X triplet 18 mm lens. Chrome finish, leather case.

#011-380



Fluorescent Microscope Ring Light

Extra-bright circular fluorescent bulb provides cool, glare-free illumination. This ring light fits Meiji model microscopes sold by GRS, as well as many others. Installation is simple with three adjustable threads.



115 V Light

#022-268T

230 V Light

#022-268T-220



Replacement 7000 Hour Ring Bulb

#022-338

Twin Halogen Lights

Attaches to the vertical post of all GRS microscope stands. 115 V.

#003-597



Halogen Lamp

Lamp can be attached directly to a bench. 115 V.

#022-092



Optia® LED Microscope Ring Light

With natural spectrum light and adjustable intensity, this LED ring light is easily added to most microscopes using the three adjustable threads.



Optia Ring Light

#024-290

Optia Ring Light, 220 Adapter

#024-290-220

Magnifier Lamp

Built-in lens magnifies work 1.25X. Includes clamp-on mount and 13 W fluorescent bulb. 115 V / 60 Hz.

#002-811



New year, new courses.

The schedule changes every year, and classes fill up fast. Stay up to date on our upcoming classes and news about the GRS Training Center: GRSTC.com



Get the training HANDS ON, IN PERSON

Dedicated to the art of hand engraving, stone setting, and more, the GRS Training Center is a state-of-the-art facility located in the heart of the Midwest in historic Emporia, Kansas.

Built just for your creative learning, GRSTC is a place for people from every corner of the world to come together to share, learn, and make connections.

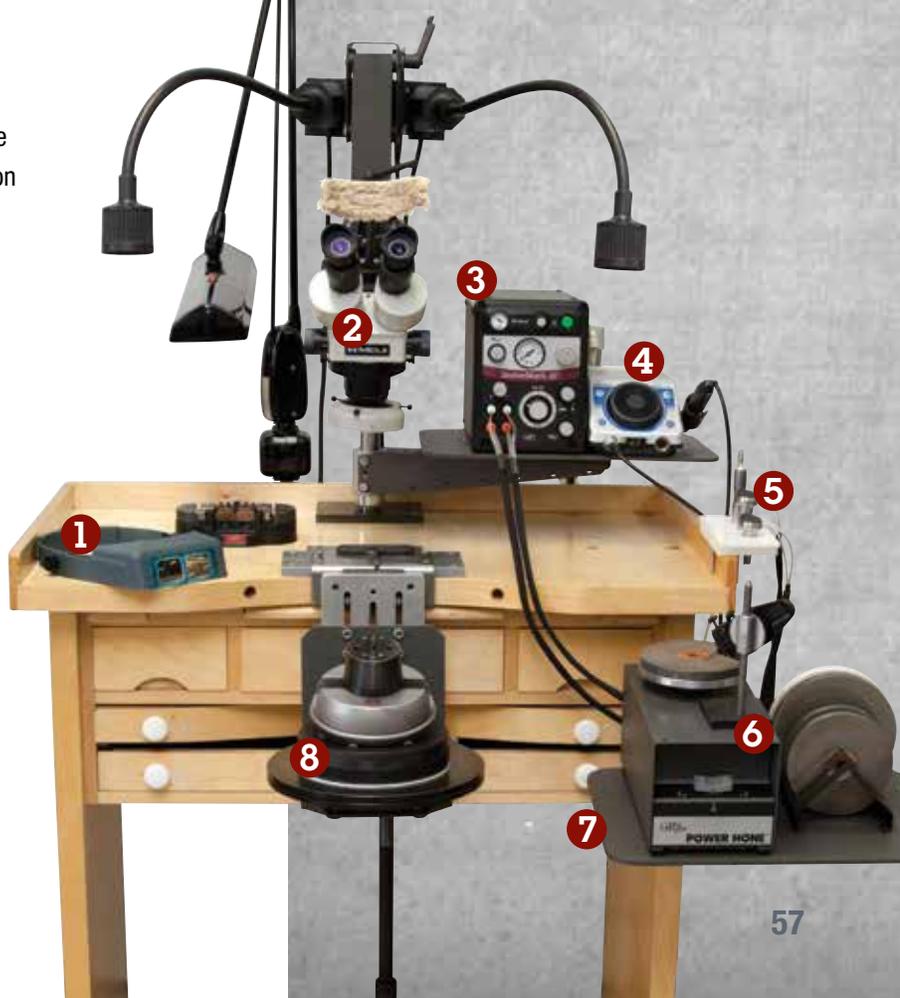
Two spacious and well-equipped classrooms provide the right combination of technology and fellowship in an environment perfect for learning.

Learn in days rather than months or years. Our facility hosts a full range of courses for all skill levels, from beginners to experts.

GRS WORK BENCH

Every GRS course gives you a workspace complete with the tools to make learning fast and easy. Bring only your passion and dreams — we provide the way to make them a reality.

1. Optivisor Head Loupe *page 56*
2. Stereo Zoom Microscope with Acrobat Stand, Headrest, and Lighting *page 54-56*
3. GraverMach® AT *page 8*
4. NSK Electronic Rotary Tool System *page 14*
5. GRS Handpieces *page 10*
6. GRS Power Hone Tool Sharpener, Fixture, and Diamond Wheels *page 36-38*
7. Swing-away Utility Shelf *page 54*
8. GRS Positioning Vise *page 21*



Surface Prep & Finishing

From start to finish, we have your basic surface preparation and finishing needs covered.

Transfer designs and layouts easier and faster with our design transfer products. Keep your graver gliding along with the right lubricant.

Create copies of your engraving to give as samples or keep for yourself with mold making materials. Finish off your work with abrasive papers and more.

"I have never been more accepted or accommodated by a sales staff to make sure I got what I want and need. Very personable....everyone made me feel important."

— JEFF M^CLAUGHLIN, LINCOLN, NE



Work by Rex Pedersen, hand engraving artist and GRSTC Instructor.





Layout & Design

AlexTools Precision Divider

Precision dividers from renowned stone setter Alexander Sidorov. These dividers are designed for setters and engravers who require fine measurements and comfortable use.

Fixed legs insure precise movements and prevent any side deflection. Change or customize your 1.6 mm carbide tips at any moment with a hex key.

75 mm AlexTools Divider

#023-117

85 mm AlexTools Divider

#023-118



3" Bow Compass & Divider

Use for design layouts, borders, circles, and distances between centers on rings, barrels, receivers, and more. Made by Starrett.

#022-156



GraphGear 500 Pencil

Perfect for precision and light lines. Mechanical, 0.5 mm.

#024-007



Scribe Tool

Carbide tip makes design transfer and marking layouts quick and easy.

#022-140



Transfer Wax

Sam Alfano's special blend of waxes for layouts and replicating / reversing engraved designs.

#002-709



Molding Clay

Lightly dab a workpiece surface to reduce glare. Hold delicate pieces with this clay and the Workholding Plate Assembly (#003-698). 1 lb.

#022-290



Scribe Kit

Perfect for scrimshaw, the handle with removable point also works well for scribing layouts on a workpiece. Comes with six identical points.

#022-584



Chinese White

Chinese White creates a dull, water-based layer of pigment on most surfaces for drawing or tracing designs easily. Refer to James Meek's *The Art of Engraving* (#002-164) for tips.

#002-708



Lubricants

Dry Powdered Graphite

Recommended for the System 3 handpiece. Reduces friction without an oily residue.

#022-100



Super Lube Synthetic Grease with Sycolon® PTFE, 0.42 oz

Provides longer life protection against friction, wear, rust, and corrosion. Great with QC Tool Holders, BenchMate, and all GRS vises. Tube contains 0.42 oz (12 g).

#022-162



Find more online!

Shop GRS.com for additional products not listed in our catalog. Feel free to call, email, or send a message via social media if you have questions.



GRS.com

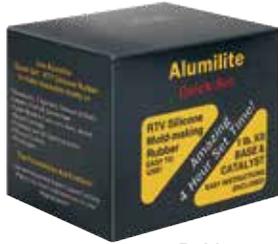
TAP Magic Graver Lube Kit

Extends graver life and brightens cuts. Users will sharpen gravers less often and work will look better. Includes sealable sponge pad. Contains 4 fluid ounces of lubricant.

#004-638



Mold Making



Rubber mold shown with resin casting (#022-068) before inking. Original engraving by Marty Rabeno.

Alumilite Quick-Set RTV Silicone Mold-Making Rubber Kit

An amazing rubber that is durable, cost effective, and easy to use. Makes accurate molds of engraved items, sculptures, jewelry, scrimshaw, wood carvings, and collectible coins. Kit includes 1 pound of base and catalyst. Resin sold separately.

#022-279



Casting, inked. Original engraving by Marty Rabeno.



Alumilite Super Plastic Casting Resin

Mix equal amounts of this two-part liquid plastic and pour into a mold. In three minutes, the plastic solidifies and takes the shape of its mold in perfect detail. This resin has endless creative uses.

28 oz Super Plastic, White
#022-067

28 oz Super Plastic, Tan
#022-068

Finishing

Polishing Paper

Super-fine polishing paper leaves a bright, smooth surface finish. 30 micron. 8.5" x 11" sheet.

#022-337



Wet / Dry Sanding Paper

Made for deburring and finishing your engraved piece. 8.5" x 11" sheet.

400 Grit
#022-146

320 Grit
#022-147

220 Grit
#022-289



Renaissance Wax Polish

This polish contains refined waxes blended to a formula used by museum and restoration specialists. Revives and protects leather, metal, marble, ivory, and many other surfaces. 65 ml.

#024-001



Spray Lacquer

Used to protect brass, silver, or other solid or plated materials from tarnishing or rusting. Available in three finishes.



Gold Colored
#024-026



Outdoor Clear
#024-027



Clear
#024-025

Gear Up!

Get your very own GRS gear. Use these for your studio and travel, or add them to your gift order to surprise a GRS tools fan.

GRS Briefcase

This briefcase includes a front zip flap with two buckle closures, multiple interior pockets, zip pockets, clip for keys, and a bottom zipper that allows a 6" expansion. Made of 600 denier polyester. Dimensions (WxHxD): 16.75" x 12 .5" x 3.5". Adjustable strap (LxW): 48" x 1.5".

#024-103B



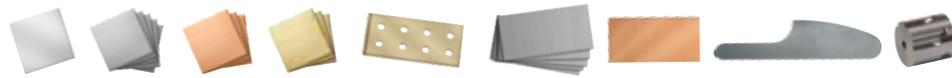
GRS Apron

Protect clothing with an apron provided to students and instructors at the GRS Training Center. Features an adjustable neck strap, three large front pockets, and ties at waist. Machine washable. 65% polyester, 35% cotton. Available in black.

#022-516



Practice Plates



Remington Practice Plate

#024-013

Revolver Cylinder

#011-423

Stainless Steel Project Plate

#024-030

Practice Floor Plate

Flat Shape M70 Style, 12 ga.

#022-565

Formed Shape M70 Style, 12 ga.

#022-565-F

Practice Oval Grip

Oval Grip Practice Plate, Flat

#022-566

Oval Grip Practice Plate, Domed

#022-566-F

1" X 2" Practice Plates

416 Stainless Steel, 9 ga.

#011-363

Half-Hard Brass, 12 ga.

#011-347

1" x 2" Practice Plates for 4 mm Stones

416 Stainless Steel, 5 Holes, 9 ga.

#011-382

Half-Hard Brass, 5 Holes, 12 ga.

#011-335S

Half-Hard Brass, 8 Holes, 12 ga.

#011-335-8

Half-Hard Brass, 15 Holes, 12 ga.

#011-335

2" x 2" Practice Plates

Cronite, 18 ga. Single

#022-287

Mild Carbon Steel, 16 ga. 5 Pack

#001-638

Half-Hard Brass, 14 ga. 3 Pack

#001-804

Copper, 16 ga. 3 Pack

#003-594

2" x 4" Practice Plates

Cronite, 18 ga. Single

#022-907

Copper, 16 ga. Single

#003-361

Mild Carbon Steel, 16 ga. 5 Pack

#001-639

Practice Pieces



12-Sided Brass Practice Ring

Brass, 6 Holes for 5 mm Stones

#004-491

Brass, No Holes

#011-389

Brass, 6 Holes for 4 mm Stones

#011-492

Brass Practice Ring, Dome

Brass Ring, 0.22" (5.58 mm)

Wide, Single

#004-300

Brass Ring, 0.22" (5.58 mm)

Wide, 5 Pack

#001-953

Brass Practice Ring, Flat with Chamfered Edge

Brass Ring, 0.170" (4.5 mm) Wide

#004-490

Brass Ring, 0.197" (5 mm) Wide

#004-412

Loose Cubic Zirconia Stones

1.5 mm Round, 20 Pack

#023-005

2.0 mm Round, 20 Pack

#023-006

2.4 mm Round, 20 Pack

#023-007

3.0 mm Round, 20 Pack

#023-008

3.0 mm Square, 20 Pack

#023-004

4.0 mm Round, 20 Pack

#023-009

5.0 mm Round, 20 Pack

#023-010

Pavé Practice Ring

1.5 mm Stone Holes, Stainless Steel

#011-379-SS

1.5 mm Stone Holes, Brass

#011-379

Pavé Triangle Practice Ring

Brass, No Holes

#011-388

Brass, 2.4 mm Stone Holes

#011-366

Watch Bezel Practice Blank for 2 mm Stones

#011-383

Channel Practice Ring

Stainless Steel, 3 mm Square

#004-401SS

Brass, 3 mm Square

#004-401

Brass, 20 Holes for 3 mm Round

#004-489

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Engravable Key Tags

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#003-300

Stainless Steel Style 2, Rounded
Teardrop 1.8" H
#003-301

Stainless Steel Style 3, Rounded
Rectangle 1" W x 1.5" H
#003-334

Brass Style 3, Rounded Rectangle
1" W x 1.5" H
#003-304

Nickel Silver Style 3, Rounded
Rectangle 1" W x 1.5" H
#003-305

Stainless Steel Style 4, Circle
1.15" Round
#003-335

Brass Style 4, Circle 1.15" Round
#003-302

Nickel Silver Style 4, Circle
1.15" Round
#003-303

Engravable MicroBlock
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#019-001

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Style 2, Plain
#011-351

Style 3, Plain
#011-352

Style 4, Plain
#011-353

Style 5, Plain
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#011-355

Style 2, Satin
#011-356

Style 3, Satin
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Style 5, Satin
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#030-609

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#022-893

Stamp & Handle Kit

#004-796

Style 1 Key Tag Kit

Ornamental Crest
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Symmetrical Scrolls
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Tribal Sun Face, Round Tag Kit

Nickel Silver
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Brass
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Script Letter Transfer Sheet

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Layout Template No. T41

#022-049

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Ornamental Face
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#022-873

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#022-874

GRS Scroll Design Kit

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Mike Dubber & Les Schowe Firearms Engraving Transfer System

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#024-199

Winchester 94 Transfer Kit
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1001 Floral Motifs and Ornaments for Artists and Craftspeople
#023-072

Advanced Drawing of Scrolls
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The Art of Engraving
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Bit & Spurs: Motifs, Techniques, and Modern Makers
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Glendo LLC
P.O. Box 1153
Emporia, KS 66801

GRS Product Warranty

GRS manufactured products are warranted for two (2) full years against defects in material and workmanship. Any such defect will be repaired by Glendo once the item is sent prepaid freight to Glendo in Emporia, Kansas. After servicing, Glendo will pay ground freight charges to the customer's address. Shipping damage, abuse, and normal wear and tear are not covered by this warranty. Customers must call to receive a Return Authorization (RA) number before returning any item. For items not purchased directly from Glendo LLC, contact your selling dealer.

Non-GRS Product Warranty

Non-Glendo/GRS manufactured (vendor supplied) items are warranted by the original manufacturer. From date of purchase:

- NSK products: 90 days
- Silentaire Compressors: 1 year
- Fluorescent Ring Lights: 1 year

Pricing

Availability and prices are subject to change. All prices are in US dollars.

Returns

All products purchased directly from Glendo LLC can be returned for a full refund of their purchase price if received in new condition within 30 days of purchase. All parts, pieces, accessories, manuals, warranty information, and printed materials must be in the original packaging with the product in order to be eligible for a full refund or exchange. Returns after 30 days but within 6 months of purchase may be charged a 20% restocking fee. Returns after 6 months are generally not accepted. Before shipping any returns, please contact Glendo LLC for a Return Authorization number (RA), which simplifies this process.

Shipping Methods

Next day or second day orders placed by 12 p.m. CST generally ship same day; ground service normally ships within two business days. Shipping may be delayed if items are out of stock.

FedEx: Standard overnight, Two day, and Ground service.

UPS: One business day, Two business day, and Ground service.

United States Postal Service

Please note: All orders over \$500 require a signature.

Shortage, Damage & Misshipment Claims

Shortage claims must be made within ten business days after receipt of shipment. Please inspect the package thoroughly and report any damage before you sign for it. Discuss damages with the carrier as soon as possible. To establish a claim on goods improperly shipped or damaged, you must notify GRS within five days after receipt of the goods. After five days, notifications will be treated as normal returns.

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