



# User Guide

## Polishing Mandrels

By purchasing these tools, you agree to read and understand the product disclaimer and warnings; followed by using the product as it is intended.

### Unboxing

Remove the contents of your package. Read and familiarize yourself with the warnings and disclaimer attached to this guide. Inspect that your mandrels have arrived intact and with no damage before beginning to use.

### Polishing

Insert the mandrel to your rotary machine. Ensure your machine is set to run in the forward direction or counter clockwise when viewed from the tip end. Start your machine on low speed and evenly lubricate the tip. Penetrating and mineral oil are recommended lubricants. Charge the mandrel tip with your choice of polishing compound. Polish at low speeds and check to ensure the surface is lubricated and cool throughout operation. If you notice the mandrel tip and/or the stone begin to warm wait several minutes both to return to normal temperature, lubricate the tip if necessary, and resume operation on low speeds.

### Cleaning

Dampen a cloth rag with mineral spirits and run the rag parallel with the wood grain of the lap. This should absorb the majority of excess lubricant, polish, and gem material left on the tool.

### Reshaping

It is not recommended that users reshape mandrel tips because doing so could destroy the mandrel and/or cause harm to the users. If it is deemed necessary and safe, please exercise the utmost caution. Only reshape your tips in a well ventilated area. Make sure to wear

appropriate personal protection when being exposed to wood dust including but not limited to a dust mask, protective eyewear, and gloves. Use a medium to fine grit sandpaper, wood file, or electric sander and use your rotary tool to maintain symmetry. Wipe away any excess wood dust with a cloth rag dampened in mineral spirits.

## Storage

Store your mandrels in the custom organizer using the process referred to in the “setting up” section of this user guide. Keep organizer and mandrels in a climate controlled area to prevent deterioration.

## Warnings

The use of personal protective equipment is highly encouraged to prevent adverse effects from using this product. We encourage users to wear an appropriate wood dust mask, protective gloves designed for woodworking, protective eyewear, and take other safety precautions while using this product. Learn more about specific wood allergies and toxicity by following the link below:

<https://www.wood-database.com/wood-articles/wood-allergies-and-toxicity/>

Drilling, sawing, sanding, or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to [www.P65Warnings.ca.gov/wood](http://www.P65Warnings.ca.gov/wood). California Health and Safety Code Section 25249.6.

## Hazard Control:

Avoid breathing excessive levels of wood dust. Saw, sand or machine wood products using adequate ventilation. Wear gloves to reduce skin contact. Wear eye protection when sawing, sanding or machining the product. Avoid dust contact with ignition source. Sweep or vacuum dust for recovery or disposal.

**Fire Hazard:** Wood and wood dust are combustible. Avoid open flames and other sources of ignition.

**Health Hazard:** Inhalation of wood dust may increase the risk of upper respiratory tract disease including allergic respiratory effects, eyes and skin irritation. Skin contact may cause dermatitis. The United Nations International Agency for Research on Cancer (IARC) has classified wood dust as a nasal carcinogen in humans.

**First Aid:** Eye contact: If wood dust and/or fibers make contact with your eyes flush your eyes with large amounts of water. If irritation persists or allergic response occurs, seek medical attention. Skin contact: Prolonged and repeated contact with skin: use proper personal hygiene and wash with soap and water. Get medical advice if rash or persistent irritation

occurs. Inhalation: If wood dust is inhaled remove to fresh air. Get medical advice if persistent irritation, severe coughing, or breathing difficulty occurs.

Choking Hazard: Small Parts. Not for children under 5 years.

Splintering Hazard: Wood splinters are hazardous and can cause bodily harm. Use caution and appropriate protective equipment such as gloves to avoid physical harm from splintering when using this product.



# User Guide

## Purple Heart Jewelry Tools

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### Unboxing

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### Punch Tools

These punch tools are designed for highly focused impact on metal during the stone-setting process. Aided with a rubber/rawhide mallet tapped gently on the rear end will increase the impact, and it is important to exercise additional caution when this is done.

### Burnishing Tools

These tools provide gentle movement of metal for burnishing jobs including colored gemstones. The Burnishing Tool No. 2 can be used with a rubber/rawhide mallet gently tapped

against the rear end when higher impact is necessary.

## Bezel Pushers

These tools are designed to close bezel settings around gemstones with various useful edges including a flat-edge, knife-edge, and points for various projects.

## Heavy Prong/Bezel Tool

This tool is designed to assist in closing bezel settings around gemstones. One side of the flat end also features a small notch to assist in closing prong settings around gemstones as well. The shape and design of the tool is intended to provide leverage during the setting process.

## Cleaning

Most dust can be removed with a dry cloth. When it is necessary to thoroughly clean these tools, dampen a cloth rag with mineral spirits and run the rag parallel with the wood grain of the tools (long-ways). This should absorb the majority of excess dust or residue left on the tools.

## Sharpening/Shaping

Only attempt to sharpen and/or shape your tools in a well ventilated area. Make sure to wear appropriate personal protection when being exposed to wood dust including but not limited to a dust mask, protective eyewear, and gloves. Use a medium to fine grit sandpaper and sand the tools parallel with the wood grain (long-ways). Exercise caution when creating sharp and/or jagged edges that could be dangerous. Wipe away any excess wood dust with a cloth rag dampened in mineral spirits.

## Storage

We recommend you store the tools flat in a climate controlled area when you are not using them. Overly humid and overly dry conditions can lead to deterioration over time.

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# User Guide

**Wood Laps**

By purchasing this lap, you agree to read and understand the product disclaimer and warnings; followed by using the product as it is intended.

## Unboxing

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## Setting up

Insert the protective plug so it sits upward facing on the side of the lap you intend to use. Gently lower the lap onto the spindle of your faceting machine. If the plug falls out while mounting be sure to fit it onto the lap before using. Avoid over-tightening the spindle bolt to prolong the lifetime of the lap.

## Polishing

Start your machine on low speed and evenly lubricate the lap. Penetrating and mineral oil are recommended lubricants. Dress the lap with your choice of diamond or oxide polish. Make sure your machine is set to the correct height and angle to ensure the gem is fully polished. Polish at low speeds and check to ensure the surface is lubricated and cool throughout operation. If you notice the lap and/or the stone begin to warm wait several minutes both to return to normal temperature, lubricate the lap if necessary, and resume operation on low speeds.

## Cleaning

Remove the polymer plug and set aside. Dampen a cloth rag with mineral spirits and run the rag parallel with the wood grain of the lap. This should absorb the majority of excess lubricant, polish, and gem material left on the lap.

## Resurfacing

Only resurface your lap in a well ventilated area. Make sure to wear appropriate personal protection when being exposed to wood dust including but not limited to a dust mask, protective eyewear, and gloves. Remove the polymer plug and set aside. Use a medium to fine grit sandpaper and sand the lap parallel with the wood grain. Wipe away any excess wood dust with a cloth rag dampened in mineral spirits.

## Storage

We recommend you store the lap flat in a climate controlled area when you are not using it. Overly humid and overly dry conditions can lead to deterioration and/or cracking.

## Center Plug

The polymer plug is used to protect the center of the lap from over-compression while mounting the lap to faceting machines. Position the plug so that the spindle bolt of your faceting machine fastens the plug into place. Users are able to glue the plug into permanent position for added stability, but this can affect the user's ability to properly resurface the lap and use the second side. Replacement plugs can be ordered through our website.

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