



# User Guide

## Mahogany 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.

### Setting up

Gently insert the mandrels into the custom organizer. This organizer lets you insert the mandrels and protect the tips from contamination. Simply insert the mandrel until the bottom is reachable from below, then pull the tip from below until resting in position. The mandrels can be removed first by pushing the tip upward from below, then remove from above. This action will reduce the wear on the each tool over time.

### 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 upmost 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.