



## Ring Cutting System

### PROCEDURAL STEPS

- 1 SELECT THE CORRECT CUTTING DISC (SEE REVERSE).
- 2 USE SURGILUBE® AS LUBRICANT AND COOLANT.
- 3 USE PROPER TECHNIQUE – *The Lighter Your Touch, the Faster GEM Cuts®.*
- 4 MONITOR PROGRESS, STOP BEFORE CUTTING ONTO THE FINGER GUARD.
- 5 USE GEM RING SPREADER™ OR MAKE TWO CUTS.
- 6 REMOVE CUTTING DISC FROM DRIVE UNIT AFTER EVERY USE.
- 7 DISCARD DULL CUTTING DISCS AND DAMAGED FINGER GUARDS.
- 8 FOLLOW PROPER CLEANING PROTOCOL.



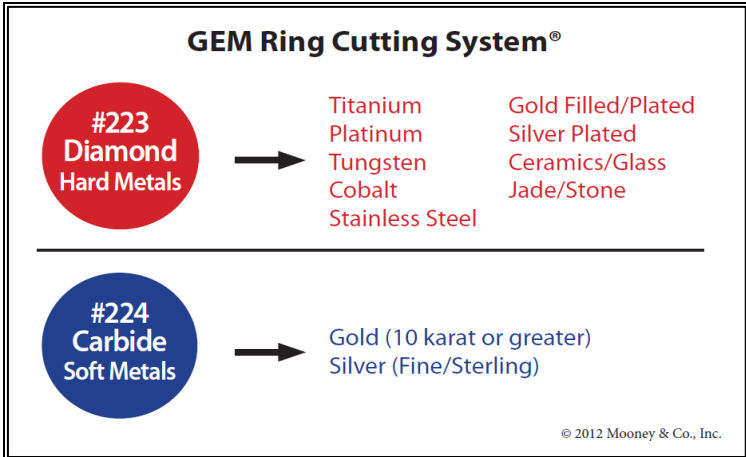
**Users are responsible for learning and applying the correct technique and procedural steps.**

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### Select the Correct Abrasive Disc



**DANGER** - NEVER USE MANUAL RING CUTTER SAW BLADES ON THIS SYSTEM.



► When in doubt, begin with the #224 carbide disc (**BLUE**).

► If it doesn't cut the material immediately, change to the #223 diamond cutting disc (**RED**).

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### Attach Abrasive Disc to Drive Unit

- 1 Press thumb against the mandrel to prevent it from turning.
- 2 Unscrew the disc screw from the mandrel.
- 3 Push the disc screw through the hole in the center of the disc.
- 4 Use the small screwdriver supplied with the system to tightly secure the disc to the mandrel.

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### Provide Power to Drive Unit

#### Model #522: INSERTING THE BATTERY CASSETTE

- 1 Install four fresh AA (alkaline) batteries into cassette follow polarity diagram shown on the inside of cassette
- 2 Unscrew the drive unit's end cap
- 3 Insert cassette into drive unit. Follow directional arrows. Secure the end cap tightly.
- 4 After use remove battery cassette and return to the carrying case.

#### Model #622: CONNECTING THE AC POWER SUPPLY

- 1 Plug power cord into jack on the bottom of the model #622 drive unit.
- 2 Plug power supply into wall outlet.



**MODEL #622 IS NOT RE CHARGEABLE, IT MUST BE PLUGGED INTO A WALL OUTLET TO OPERATE.**

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### Position Finger Guard

- 1 **LUBRICATE:** Liberally apply surgical lube to the ring and the surrounding skin surface. This makes it easier to position the guard, acts as a coolant and picks up any metal dust.
- 2 **POSITION THE GUARD:** The finger guard is flexible; it can be bent, even into a "U" to fit under even an embedded ring. Slide the guard between the ring and the finger.
- 3 **MATE THE GUARD TO THE DRIVE UNIT:** The channel of the finger guard is designed to precisely guide the disc in order to produce an accurate cut.

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### Activate Drive Unit



**ALWAYS WEAR EYE PROTECTION**

- 1 PRESS THE RED BUTTON TO ACTIVATE
- 2 BRING ROTATING DISC IN CONTACT WITH RING'S SURFACE

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### Cut and Remove Ring

- 1 Use the Correct Technique: Sweep the rotating disc back and forth across the surface, do not press down. Downward pressure will prevent the disc from freely rotating, if the drive unit stalls ease up and allow the abrasive disc to do its work.
- 2 For softer metals, make a single cut then use the Mooney Ring Spreader™ (Order code #250) to spread and remove the ring.
- 3 For titanium, chromium cobalt and tungsten carbide, or if the ring is to be preserved and repaired, make two cuts.



**MONITOR PROGRESS – DO NOT CUT INTO THE FINGER GUARD.**

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### Remove Disc from Drive Unit

- 1 Use thumb to prevent mandrel from turning
- 2 Use disc tool supplied with your system to loosen disc screw
- 3 Clean disc using protocol
- 4 Return to disc to plastic container
- 5 Re-install disc screw using thumb to prevent mandrel from turning.

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### Inspect, Discard Worn Guards and Discs

**Diamond (RED):** If edge is smooth, discard.

**Carbide (BLUE):** If width of carbide is 2.0mm or less, discard

**Finger Guard:** Discard if stainless steel portion is damaged

### Repairs

The system must be returned to Mooney & Co. for all repairs. Any attempt to repair or service the system invalidates the warranty.

## CLEANING AND DISINFECTION PROTOCOL

## ABRASIVE DISC

Remove abrasive disc from handpiece. Clean disc after each procedure using warm water and mild detergent. Disinfect with quaternary ammonia or hydrogen peroxide after each use. If blood is present, soak in bleach for 20 to 40 minutes (or refer to the bleach manufacturer's specific directions for appropriate contact time) or neutral pH enzymatic detergent. Dry thoroughly with a clean lint-free cloth, then store in its container and return container to carrying case.

## FINGER GUARD

Clean guard using an alcohol, quaternary ammonia or hydrogen peroxide moistened lint-free cloth or equivalent wipe. Do not use corrosive agents to clean/disinfect. If blood is present, soak in bleach for 20 to 40 minutes (or refer to the bleach manufacturer's specific directions for appropriate contact time or neutral pH enzymatic detergent. Dry thoroughly with a clean lint-free cloth; return to carrying case.

## CLEAR SHIELD

Clean clear plastic shield using an alcohol, quaternary ammonia or hydrogen peroxide moistened lint-free cloth or equivalent wipe. Do not use corrosive agents to clean/disinfect.

## HANDPIECE

Clean handpiece using an alcohol, quaternary ammonia or hydrogen peroxide moistened lint-free cloth or equivalent wipe. Do not use corrosive or abrasive agents to clean/disinfect. Return handpiece to carrying case. **WARNING: DO NOT IMMERSE HANDPIECE IN LIQUID.**

## #250 Ring Spreader

Clean spreader using an alcohol, quaternary ammonia or hydrogen peroxide moistened lint-free cloth or equivalent wipe. Do not use corrosive agents to clean/disinfect. If blood is present, soak in bleach for 20 to 40 minutes (or refer to the bleach manufacturer's specific directions for appropriate contact time or neutral pH enzymatic detergent. Dry thoroughly with a clean lint-free cloth; return to carrying case.



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