**Hands On Private Class: How to Inlay Crushed Opal into a Pre-Channeled Ring**

**Using UV-Cure Resin with Scott Grove**

Caution: Wear all required safety gear when using solvents /resins, when sanding/polishing, and when working with UV light.

Along with the Tools and Materials list below, this class requires a mandrel (a cylindrical rod that holds your ring) and some type of workstation that will hold the mandrel and let you work on the ring with both hands. You will also need a computer, tablet, and/or smartphone with a camera to connect to the meeting via Zoom that allows you to view the screen as well as move to view your work.

**ALL ITEMS DENOTED WITH AN ASTERISK (\*) MEANS THAT ITEM IS REQUIRED FOR THE CLASS**; all other items are nice to have but are not required.

[EASY INLAY®](https://www.easyinlay.com) Use **HANDS-ON-RINGS** promo code at checkout and enjoy a **25% discount off your purchase**. If you order products through Easy Inlay, we will include salsa cups, Blendal powder, and touch-up brushes, gratis.

**\*RING MANDREL**: either purchase a mandrel or download an easy-to-make, low-cost mandrel plan that will hold your ring securely while you work. Click [HERE](https://www.dropbox.com/home/ImagineGrove%20and%20Imaginlay%20image%20files/Down%20Loads%20Imagine%20Grove?preview=001.1ring+mandrel.jpg).

**\*RING WORKSTATION**: either fashion a board with a hole that fits your mandrel and clamp it to your workbench vertically, or download plans to make a workstation from scrap ¾” plywood or MDF. Click [HERE](https://www.dropbox.com/home/ImagineGrove%20and%20Imaginlay%20image%20files/Down%20Loads%20Imagine%20Grove?preview=work+station+(2).jpg).

**DIY MORTAR AND PESTEL RAM**: you’ll need a way to crush the opal – use a hammer, rolling pin, or other crushing tool, or download a pipe ram plan used to crush opal and other inlay materials. Click [HERE](https://7c7627b1-3172-4f03-be0d-339797cc6363.filesusr.com/ugd/4d881a_dc965d0e40a14736a37f876cfb568cfe.pdf).

You may have many of these tools and materials listed below in your shop, or you can review and purchase them [HERE](https://kit.co/imaginegrove/hands-on-ring-class-with-diy-mandrel-and-mortar-pestle-ram).

**TOOLS**

\*Electric hand drill or a rotary tool like a Dremel®

\*Fine tweezers (I prefer a bent 45-degree end)

\*Polishing / buffing wheels for rotary tool and polishing compound (red rouge & white diamond)

Heat gun

Magnifying visor (very helpful but not required)

Mesh screen

Popsicle sticks

Toothpicks

UV-protective sunglasses

**MATERIALS**

\*2 Ring Channel Blanks: available at [EasyInlay®](https://www.easyinlay.com/) ([wood](https://easy-inlay.myshopify.com/collections/ring-core-blanks/products/exotic-wood-ring-core-blanks) and [ceramic](https://easy-inlay.myshopify.com/collections/ring-core-blanks/products/ceramic-ring-core-blanks) rings are designed to be breakaway.

Best to have two on hand in case one breaks by accident)

\*2 grams [OPAL](https://www.easyinlay.com/opal): available at Easy Inlay: your choice of color

\*UV-cure resin and matching flashlight (we like [Solarez](https://www.easyinlay.com/resins))

\*Acetone, nail polish remover, or other solvent

\*Blendal (black) pigment or other ink/stain

\*CA glue - thin and medium

\*Cultured Opal - (at least ~.3 grams required for a 9.5 size ring)

\*Gloves, safety glasses, and dust mask

\*Micro mesh sanding pads 1500 – 12000 microns

\*Sand paper – 80, 120, 240, 320, 400, 600

\*Shellac (any cut or color – we use Zinsser clear out of the can)

\*Solarez Flex/Hard UV doming resin or your chosen brand

\*Touch-up brushes (2) – Include with purchase from Easy Inlay with promocode

\*UV flashlight (calibrated to Solarez resin – 285 nm) or calibrated to your chosen brand

Compressed or canned air

Denatured alcohol

Paper towels

Wax paper or small paper plates