

Metal Casting Suggested Materials List

Instructor: Daniel Eaves

Materials List

Students will need to supply or purchase casting metal through the instructor at an additional cost to them. Students are encouraged to bring their own tools if they have them. A basic tool list is provided below, however, all of these items are on hand in the studio.

Basic Wax Modeling Tool List

Tool/Item	Rio Grande Catalog #	Grobet Catalog number	Approx Price
Double-end Wax File	114-146	31.385	\$28
Alcohol lamp	700-008	14.286	\$7
Wax ring sizing mandrel	700-570	21.02890	\$22
Wood ring mandrel with stand	700-545	21.0897 (wood mandrel only)	\$17
Saw frame, 4"	110-042	49.704	\$16
Wax saw blades, #3	110-066	49.303	\$4
File cleaner	114-471	33.981	\$11

Other items available outside of jewelry Tool supply companies:

1. Inexpensive needle files or used metal needle files. These are great for smoothing waxes and adding fine details. Inexpensive needle files can be found at Harbor Freight Tools, Rio Grande's least expensive set is #114-845 and contains 12 files for around \$46.
2. Dental tools. Most dentists will give you worn dental tools that they cannot retip. These can be shaped on a grinder to your liking or you can even silver solder small pieces of steel on the old tips to make very specialized tools. The jewelry suppliers also carry tools like these, but they can be pricey.
3. Denatured Alcohol. For the alcohol lamp, available at hardware stores like Pleasants or Lowes.
4. X-acto knife. Good for carving hard waxes or cutting soft wax sheet and wire. A variety of blades are available. Found at art supply and craft stores like Main Art or Michaels.
5. Small wood carving tools for carving hard waxes. Cheap ones at Harbor Freight Tools or Ben Franklin Crafts, more expensive at Woodcraft

Store	Phone #	Local address	Website
Rio Grande	1-800-545-6566	none	Riogrande.com
Wilkinson's(Grobet tools)	276-4336	2401 Hey Road, Richmond, VA	Open Sat.2-6, call first to make sure
Harbor Freight	745-5615	6500 Hull Street, Richmond, VA	Harborfreight.com
Woodcraft	355-3945	9862 W.Broad Street, Richmond, VA	Woodcraft.com