

# Cindy Drozda

"The Fine Art of Woodturning"

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## Tools for the Metal-Equipped Woodshop:

### First round:

**Safety Glasses that protect your eyes completely.**  
Not just eyeglasses! Your eyes are too important, and a particle of metal in the eye is a really bad deal!

Drill set with 1-60, 1/16 – 1/2 by 64ths, A-Z  
Wall chart with decimal equivalents and tap sizes  
Carbide Scribe with sharp point  
Center Punch with a sharp point – not an automatic spring-loaded one  
Dye-Kem layout fluid  
Cutting Oil in a spill-proof pot  
Saw wax  
Taps for 10-32 and 1/4-20 threads  
Tap handle for those size taps  
Hole saws  
Drill Press vise  
Rout-A-Burr de-burring tool  
A good supply of screws, nuts, and washers  
Allen wrenches  
Combination and socket wrenches  
Single Flute Countersink, 82 degrees  
Dial Calipers that read in thousandths of an inch  
"Pop" Rivet puller  
6tpi blade for the bandsaw (non-ferrous metal only)  
Hacksaw with good blades (for cutting steel)  
Files: 3-cornered for cleaning up threads, Laminate file for Aluminum, Half-round, and Round  
Thin 6" scale, 1/2" wide, with markings in 32nds, 64ths, 100ths, 50ths

### Second round:

Propane/Mapp Gas torch  
45% Silver bearing solder with Cadmium  
Blue Flux for Silver Soldering  
1-60 drill gauge  
More taps for coarse and fine threads up to at least 1/2"  
Additional tap handles to fit your taps  
Bullet Point drills  
Die Grinder with cut-off wheels (for cutting steel)  
Skotchbrite wheel for deburring on the grinder  
Machinery's Handbook

### Third round:

Reamers in 1/4, 3/8, and 1/2 (or more!)  
Rolled dowel pins, and ground dowel pins  
Height gauge and surface plate (or saw table)  
Angle plates for above  
Hurry-Up deburring tool  
Set of single flute Weldon countersinks  
Threading dies (mostly for cleaning up damaged threads)  
Counterbores  
Micrometer  
Arbor Press  
Negative rake, fine tooth, metal cutting carbide table saw and/or chop saw blade (non-ferrous metal only)  
End mills for use in a router, 1/2" is a good size, 2 flute (non-ferrous metal only)  
Abrasive cut-off blade for chop saw (for cutting steel)

.....And onward..... Just like woodworking, you never get to the point where you "have all of the tools"!

Since you have a woodworking shop, I assume that you have the following woodworking tools:

Combination Square  
Drill Press  
Band Saw  
Grinder  
Belt or disk sander  
Clamps  
Vise