

Cindy Drozda

"The Fine Art of Woodturning"

P.O. Box 19065 - Boulder, CO 80308 - voice: 303-449-7170 - fax: 720-306-3829

cindy@cindydrozda.com - www.cindydrozda.com

CD's Grinding Setup

This is my recommendation for a grinding system to shape and sharpen woodturning tools. There are other systems out there, such as the Tormek, JoolTool, etc, that offer specific advantages. I consider those other systems to be useful only *in addition* to the basic bench grinder system, which is the workhorse of the turning shop.

Product	Notes	Sources
Grinder Motor	8" diameter wheel capacity will sharpen cooler and faster than 6". Well worth the extra money! I recommend a high speed, variable speed, or 2 speed. Slow speed is easier to learn on, but slower to get the job done. With balanced wheels, it is not necessary to have a slow speed grinder to reduce vibration. It's not necessary to get a super high quality grinder motor. Spend your money on a balancing system and good wheels!	They are available everywhere! Often Woodcraft, Rockler, Delta, etc. offer sales on certain models.
OneWay Wolverine Grinding Platform/Jig system	I like to have more than one platform, each set for a different grinding angle. System can be ordered with extra platforms. I would pass on the Vari-Grind Jig and Vee-Arm attachment which usually comes as part of the system. See about ordering an extra platform instead.	Craft Supplies USA (www.woodturnerscatalog.com): 130-4100, 130-4180 Packard: 142611, 142630, 142631L&R
OneWay Wheel Balancing System	Even a cheapo grinder will run smooth with balanced wheels. Balancing compensates for different densities in the wheel. It is not the same thing as dressing the wheel true. ***You will need to order wheels with a 1" center hole to use this system!***	Craft Supplies USA:1302272
Coarse wheel: Norton 5SG, 46 Grit	For rough shaping of tools. The Norton "Ceramic" 5SG wheel is the best out there for cool, fast grinding and long life. OneWay wheels are softer and don't last as long, but cost less. Norton 3X wheels are a better cost compromise than OneWay. They are 30% SG (instead of 50%). The wheels that came with your grinder should (in most cases) go into the trash!	MSC (www.mscdirect.com): 00391078
Fine Wheel: Norton 3X, 100 or 120 Grit	For sharpening of tools. A fine wheel gives a finer, longer lasting edge. It also does a better job of sharpening the "powder metal" tools (Hamlet 2060, Crown ProPM, Glaser, OneWay Mastercut, etc). I turn with my tools right off the grinder, without honing. I use a 120 grit 3X Norton wheel. The OneWay wheel might be a good cost compromise. Loads up more quickly and wears away faster, but does a good job.	Hartville Tool (www.hartvilletool.com): 32847
Diamond dressing tool	Many different types are available. I like a wide diamond-impregnated surface, rather than a single point type. Don Geiger's single point jig, and OneWay's too, are more accurate, but the wide diamond stick is fast and easy.	CSUSA: 156-3000 This is the one that I have been using for the past 12 years and it's still going strong. Many other similar products are out there.
Diamond Hone	For cleaning up the inside of gouge flutes, honing skews, deburring, smoothing the tool rest, and other jobs around the shop. The hone offered by Alan Lacer is the best out there! Be careful of "imitations". Though you can spend less money, you don't get the quality or versatility of this hone.	Alan Lacer (www.alanlacer.com)