

ANN PRESCOTT

Thin stemmed goblet / carbide tools

March 16, 2011 Demo

Stepping up to the demo lathe in March was Ann Prescott who proceeded to make a goblet with the EWT tools that she has been using to make her wide collection of gift products offered at her gallery in Bath.

She quickly characterized the four carbide cutters as the Square cutter for roughing, the Round cutter for finishing, the Diamond cutter for detailed work and the Hollowing cutter for hollowing. Her instructions about the roughing cutters included its design elements.

There are three roughing cutters available; the R0 with a zero degree offset, the R2 set for a 2" radius and the R4 set for a 4" radius. These different radii are needed because the cutting technique requires the user to hold the cutter on center and move only across the tool rest. There should be no vertical movement of the cutter on the blank.

Using a green Rainbow Poplar blank Ann very quickly plunged cut and rounded the blank and made short work of establishing a tenon on the tailstock.

She held the tool flat on the tool rest and used the corner and side edge of the cutter to clean up the rough cut. After defining the dimensions of her goblet she hogged out and shaped the cup with the R2 cutter to give the curve its form. Moving slow and flat she created a smooth surface for a 220 grit sandpaper rub.



Keeping in mind that she was demonstrating the use of the tools Ann made several production cuts that allowed her to continue showing the "cool" things about using these carbide cutters.

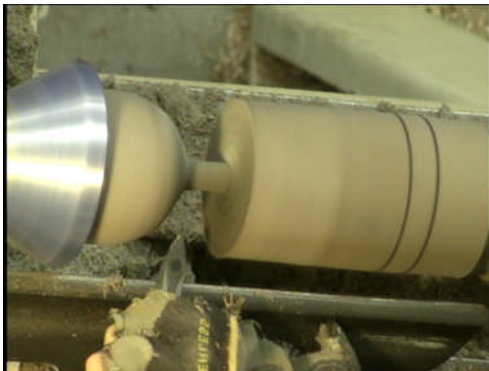
She easily set up for the hollowing of the cup and stressed the cutter being at the center line of the cut and the tool being held flat on the rest. With no up and down motion. With the R2 cutter she made the top inside wall smooth a constant thickness with the outside wall. At the bottom she worked with the Round finishing cutter to meld the bottom to the side cut. This cutter allows for some up and down motion but no twisting of the handle. Unlike a HSS scraper that would allow a shear cut by twisting the handle this round cutter must be flat on the tool rest.



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Her fine tuning the upper edge of the rim from both sides impressed a number of the members.



Next up was the shaping of the stem and the bottom with the R4 tool.



A little detail work at the top and bottom of the stem required the use of the Diamond cutter.

Completing the bottom and just a little sanding finished the goblet demo.



Thanks Ann for your knowledgeable information and the great demonstration on the use Easy Wood Tools. Your clear instructions on their use and your insights will be helpful to all of us as we look to enhance our woodturning skills.

Time to making woody type round things,

Chuck

March Demo Pictures

Thin Stemmed Goblet using carbide tools



Ann turned Rainbow Poplar using Easy Wood Tools