

Stacked Ring Bowl

- Start by edge gluing 4/4 stock to make bowl blank (10 or 12" square)(allow to dry overnight)
- Flatten one side by either sanding or thickness planing.
- Using a compass mark the diameter of the bowl blank and rough cut with band or jig saw
- True up glue block on lathe so that it is about 3-1/2" in dia x2" long . This can either be mounted on a face plate or have tenon.
- Drill a small dia. Hole into the glue block. 1/16th or smaller. Cut off the tip of a finishing nail and super glue into the hole in glue block. (this will be used to aline the blank onto the center of the glue block.)
- Make parting tool guide by cutting 1-1/4" sq. x 6" long block. Cut 3/4" dado in block. Cut block in half on a 45 deg. Bevel.
- Glue blank onto waste block using yellow glue. (For easier separation glue together using brown paper as a washer) Use the glued in nail head to line up centers of blank and waste block. Allow to dry for at least 2 hours if using yellow glue.
- Mount blank on lathe, set speed to about 800rpm and true up face of blank. Use a flat steel straight edge across the entire face to make sure the piece truly flat. (THIS IS VERY IMPORTANT TO MAKE SURE YOUR RINGS WILL HAVE GOOD GLUEING SURFACES)
- After truing blank set the tool rest at center of the blank and scribe a pencil mark across the blank.
- Rotate the blank 90 deg. And scribe another pencil line from the center to the outer edge of the blank.
- Rotate the blank back 90 deg. So that this second line is now vertical to the tool rest. Measure the dia of the waste block to determine the radius of the waste block. Mark the radius on the vertical line. Next measure the thickness of the blank and along that same vertical line mark the thickness of the blank. Continue until you are to the outer edge of the blank. You should now marked the dia. Of the waste block and three or four rings on the vertical line. Using your pencil, mark all of the lines by rotating the piece by hand until all the circles are complete.
- Now we're ready to cut the rings. Set the tool rest so that the parting tool point is at dead center of the blank and the body of the tool is horizontal. Using the guide block begin the first parting cut on the left edge of the outermost line. GO SLOW DO NOT FORCE THE CUT. Repeat until all the rings are cut.(sand any tearout befor beginning next cut.) as rings are cut they can placed out of the way behind headstock.(If you wish to make a bowl with a flared rim begin cut on second line.)
- After all rings are cut, remove waste block from the lathe and glue and clamp rings. You can use a drill press, jig or simply aheavy weight to do this. Allow to dry overnight
- Remount waste block on lathe and turn and sand one ring at a time, start at the outer ring and work inward. Finish the inside of the bowl completely befor removing from the waste block.
- You should be able to separate the bowl from the block by striking the bowl with the heel of your hand or by using a chisel at the joint. Once removed ,reverse chuck and finish the bottom.

Enjoy

Dave Search

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