

Turning Segmented Vessels

You will learn:

- How to build a sled for cutting accurate segments
- How to assure good, positive joints
- How to align and assemble a vessel
- How to turn and assemble the final project
- How to plan and implement custom designs

What you will do:

- Build a ring flattening stick
- Construct a “quick start” project from a provided design
- (Build you own cutting sled)
- (Build segmented holding tool)

There will be project activities than may not be completed during the class session requiring you to complete certain steps off line.

Equipment you will need:

- A table saw, chop saw, or radial arm saw
 - 60-80 tooth finish cut blade only – recently sharpened
- Belt/disk sander
 - 60-80 grit fresh belt/disk
- Lathe with a 10 inch swing or larger

Supplies you will need¹

- Project wood
 - 2 BF of 4/4 stock of one hardwood
 - ¾ BF of a contrasting 4/4 hardwood of similar density
 - Black veneers (provided by MDAE)
- Two 3 inch face plates with 1 x 8
- Small bottle of Titebond II glue or equivalent
- Straight edge or square & bright light
- Ring sanding stick (instructions to build to be provided)
- A flat glue-up surface and paste wax
- Selection of hose clamps (from local hardware store –discussed in first session)

Additional items you may also desire to have for your convenience

- Jet or One Way live center system and live center to faceplate adapter accessory (3/4 x 10 to 1 x 8 adapter)¹ Available from Oneway or their distributors
- Thobald alignment cone (www.curttheobald.com)

¹ Completed projects will be turned on 1 x 8 lathes in the MDAE classroom. If your personal lathe at home uses a different thread (e. g., 1¼ x x 8) you may wish to consider purchasing a thread adaptor for your own thread size and turning the project at home.

For more information call, Jim Rodgers, 925-229-5773