

WOOD DRYING BOX

At the January 2016 meeting, Chad Dawson showed the wood drying box he constructed. You can build your own using the information he's provided here! One note ... Chad bought many of his components at Lowe's. Obviously, you can also purchase at Home Depot.

A foam box for drying green wood was built on a style developed by **Bruce Meissner** and shown in the September 2015 *Turning Times*. The overall idea is to slightly heat the air with a light bulb (controlled by a thermostat) and move only several cubic feet of air per

- Miscellaneous hinges and hardware; \$15 from Lowe's.
- Miscellaneous light receptacle, switch box, electrical supplies; \$22 from Lowe's.
- AC Infinity speed control fan kit AI-80SCX model (maximum speed at 80 cfm); \$21 from www.amazon.com
- LUX Model LV11 single in-line pole heating thermostat; \$17 from Krell Distribution in Syracuse.

Total cost about \$140

Construction:

The overall box is about 24" square and 48" tall. Extra pieces (already on hand) were used for the top and bottom foam to add to the purchased sheet and to maximize the box size (sides were approximately 24" by 48" pieces). The foam sheet was cut with a power saw and a straight edge. Wear a dust mask when cutting because of all the small foam particles.

Assemble foam to foam edges and plywood to foam with Gorilla glue only. It is the best use of Gorilla glue I have ever encountered. Clamp the pieces lightly to hold them in position while the glue dries.

Glue on plywood panels to add strength. Also, add some pine pieces on the edges to protect the box and give you some place to attach hinges. All pine for extra pieces were scraps from shop.

Inside wood racks were all made from scraps and glued together with Gorilla glue.

Submitted by
Chad Dawson



minute (CFM) to create a slow air exchange. The rough turned bowls and platters are dried over 30 to 60 days. Checking is kept to a minimum by painting liquid wax (Anchorseal) on the end grain on the inside and outside of the bowl or platter because this slows down drying through the end grain and, thereby, reduces checking. Every week you must weigh each piece and keep a record of the weight. When a piece stops losing weight, it is dry enough to allow you to put the piece back on the lathe for final turning and finishing.

Materials:

- 1 Sheet polystyrene unfaced foam board insulation R10 (2" thick by 4 ft by 8 ft); \$34 from Lowe's.
- 1 sheet of RevolutionPly hardwood plywood (1/4" thick by 4 ft by 8 ft); \$14 from Lowe's.
- 1 bottle original Gorilla glue (18 oz.); \$16 from Lowe's.

