Wood Turners Worldwide

worldwidewoodturners.org
The Art of Making Shavings

SEPTEMBER 23, 2025 VOLUME 2 NUMBER 20

Gerald Jensen

Victor Todd

Brenda Thornton

Ruby Cler

Tom Kenney

Clockwise from top left: Spalted maple bowl; Paduak and aspen segmented clock; Spalted maple cellphone speaker; Maple burl and resin hybrid sphere; White oak volcano bowl.

Roger Wollam showed us how he makes this segmented vase during our weekly meeting Wednesday, Sept. 17th. You can view this demonstration, or any other of our weekly demos, on our YouTube channel, @worldwidewoodturners1. World Wide Woodturners meets via Zoom every Wednesday at 7:00 PM EST. Our meetigns feature weekly gallery, and a world-class demonstration and it's all free!

Patrick Hoggard

Andy Schuster

Joaquin Juatai

This page top right: Pear vessel, turned and dyed, walnut base, lid, and handles. **Above left:** Quileted red maple platter. **Right:** Spalted elm hidden hollowform with East India rosewood foot. **Facing page clockwise from top left:** Cherry walking teapot with cherry body, lid, handle, and spout, pewter final and legs; Sweetgum bowl; Cherry burl bowl; Cherry and maple angled bowl; Wig stands, Manitoba maple (left), elm top, elm burl, ash shaft (right).

Ron Pollman

John Abbott

Roger Wollam

Scott Medori

Jim Duxbury

Your art belongs in our newsletter! Email hi-res images to editor@worldwidewoodturners.org. Include a brief description and make sure you identify yourself!

Make a drum sander for your lathe

By Bob Grinstead

Here is a drum sander that will work as shown on any 16" and larger lathe. With a little modification it would fit on a 14" lathe too.

I posted this on the Shopsmith Owners Group on FaceBook and had so many requests for information I thought it might be a good fit for our newsletter too.

The overall dimensions are 20" x 25-3/4". The drum sander is on a 3/4" steel square tubing rectangle frame. There 4 short pieces welded to the frame side pieces to center the sander on the tubes. This frame is held on the SS tubes using 2 short pieces of 3/4" sq tubing and long 1/4" bolts. (only one is needed, it is just to keep the unit from sliding with any vibration during use). Center the frame on the tubes.

The sides and facer boards are made from 3/4" plywood and 3/4" pine. (this could be thinner, it is only for dust collection)

The platen is made out of 2 pieces of 3/4" x 20" x 24" Baltic birch plywood glued together. (one would probably be enough) and has two, 4" door hinges holding it to the steel frame.

It has two adjusting knobs, one on each side of the platen. They are made out of 2) short pieces of 5/8" all-thread and 4) 3" x 5/8" threaded knobs. Two of the knobs are epoxied to the end of each threaded rod. I used 2 knobs on each thinking I would need to tighten them down each time I set it but the extra knobs for a locking mechanism is not needed. The front piece of the frame is held in place by two bolts, one on each end. Allowing this piece to swivel. Two holes are drilled in the front frame, one on each end and 5/8" nuts are welded to the frame. The all-thread pieces are inserted thru the frame and screwed thru the nuts.

The top end of each all-thread has a locknut just to give it a rounded surface to mate up with a shallow hole on the bottom of the platen. You can now adjust the platen up or down as needed. The drive end of the drum is any coupling that will fit your spindle.

This could be as simple as a 1"-8 nut mounted to a glue block. That is turned to fit the inside of the 4" x 24" PVC tube.

The tailstock end is made starting with a 2-1/8" mortise in a sq piece of 2 x 6. This is to hold it in a 50mm chuck. Then turned to fit the PVC

tube. Drill a hole in the center using the lathe and fit it to a 60 degree cone live center. The live center holds the right side of the drum while in use.
I secured each plug in place in the PVC using 4 countersunk screws.
Then the 4" PVC drum is trued up on the lathe.

I bought sticky backed Velcro and Velcro backed sandpaper from Grizzly.com. They sell it for their drum sanders.
Wrap the Velcro at an angle on the PCV much like a candy cane and then the sandpaper in the opposite direction. Wrap the ends with a layer of tape to keep the sandpaper from coming off when in use.
To use, set your lathe speed about 1800 rpm. If your lathe can run in reverse you will feed the wood from the front as shown in the pictures. If not, turn the unit around on the tubes and feed it from the back. It does not make any difference.
Make a push stick to push the wood thru the unit. As with any sander don't let it set in one spot too long.
I made up the dust collection system using 2" and 4" PVC pipe. Cut the 4" PVC down the center length wise and using a heat gun, heat

up the top of the tube and spread it out to fit the dust panel sides you made above. I cut two holes on the top of the PVC and inserted very short pieces of 2" PVC attached to the 90 degree L's. I took another piece of the 2" PVC heated and forced it onto a pine form I had made to stretch it out to fit my vacuum. Once it cools and hardens it will stay and be a perfect fit. Happy sanding!

Nathan Fought

Dave Kingsley

Jon Moore

Above left: Cored walnut bowls starting at 17" in diameter; **Above Right:** Live edge walnut bowl; **Left:** Spalted maple bowl.

Wood Turners Worldwide
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