

Episode 1 CNC Basecamp Stacking Sawhorse Project Outline

Strong, easy-to-make and super handy these sawhorses are great helpers in the shop, the garage or around the house. Our sawhorses were made with Baltic Birch plywood which measures .71" thick. You will need to adjust the DXF images for materials of differing thicknesses.

- 1) Download DXF files and set up the machine routines based on your machine's format size and the available material.
- 2) Any flat, void-free plywood will work for your sawhorse. I chose Baltic Birch because it's attractive, strong and generally flat.
- 3) A ¼" compression bit is an ideal bit for this project, with its ability to leave a clean and chip-free edges on both the top and bottom layer of the plywood. The screw holes were drilled using a 1/8" upcut bit.
- 4) Cut out the parts on your CNC router.
- 5) Optionally, cut the edges of the shelf and top at 15 degrees to match the angle of the ends.
- 6) Countersink all of the screw holes.
- 7) Sand all of the edges and faces in preparation for assembly.
- 8) Begin the assembly by gluing the supports into the dados on the underside of the top and the shelf. A few pneumatic finish nails make easy work of holding things in place until the glue sets.
- 9) Apply glue to the dados in both ends and join the top assembly, shelf assembly and two ends. Add a few bar clamps to hold things in place.
- 10) Predrill for all of the screws – this is plywood and it will split otherwise.
- 11) Finish the assembly by adding screws - FH #8 x 1 ½".
- 12) Clean up, give things a final sanding and apply a couple of coats of your favorite finish.
- 13) Enjoy your sturdy, versatile and super-handy stacking sawhorses.

