

8" Square Laminated Plate

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1. Make up 8-1/2" square x 1-1/4" thick laminated hardwood and veneer blank.
2. Locate center, mark, and outline the outside shape with the template.
3. Bandsaw the outside shape.
4. Select the flattest side to be the top of the plate.
5. On the top of the plate, drill 4 each 5/16" diameter holes by 3/8" deep. One hole in the center and three holes equally spaced on a 1" diameter circle for the chuck screw. Note: The hole size and depth may have to be adjusted for your chuck screw and material thickness. I have a Vicmarc chuck and 5/4" thick material.
6. Thread the blank onto the screw chuck in the center hole.
7. Face off the bottom of the blank until it is just flat.
8. Mark the center of the blank and turn a 1-13/16" o.d. X 1-1/8" I.d. X 5/16" deep recess for the chuck jaws. Dimensions may have to be adjusted for your chuck.
9. Mark 5-1/2" I.d. X 5-3/4" o.d. circles on the bottom for the foot. Cut a 1/16" deep x 1/4" wide recess on both sides of the foot. Extend the 1/16" recess inside the foot to the center of the plate.
10. Remount the blank on each of the other drilled holes and mark the corresponding center with the point of the live center. Mark a 1-13/16" radius from the three new centers for the centerline of the intersecting circles.
11. Using a parting tool or radiused scraper, carefully cut the intersecting circles. Depth should be about 1/4" and equal.
12. Radius the button in the center and texture if desired.
13. Cut from the outside edge to the foot to make a dish shape.
14. Sand the bottom.
15. Reverse the plate and mount on the chuck jaws.
16. Turn and sand the top of the plate.
17. Sand the edges smooth.
18. Remove and apply finish of choice.