



QUICK FACTS

Level: Beginner/Intermediate
- some basic knowledge of general bowl cutting techniques is preferable.

Time: Around 30 mins

YOU'LL NEED

1. Chisels Required:
Bowl Gouge

2. Wood: Any woods up to 450mm diameter, 100mm thick.

3. Equipment needed:

Nova Chuck with 50mm Jaws

and
NOVA Faceplate

and
NOVA Outrigger

SAFETY

Always read & understand the instruction manual for any product or equipment before using.

Always use safe practices & appropriate safety equipment.

Only use genuine Teknatool/NOVA parts and products.

The NOVA Outrigger unit allows woodturners increase NOVA lathe capacity from 16" to 29".

So you don't have to spend the extra thousand dollars for the capacity of a large monster lathe.



This project was kindly supplied by Mr Terry Meekan

1. Select your bowl blank, anything up to about 450mm would suffice, with a thickness of approx 100mm. Find the center and mount the small face plate using 25mm Tec Screws.



2. While there are four holes, used two extra screws in the cut always giving a total of six to make sure.



3. Undo the pin lock, push the headstock release handle to the right. At the same time swivelling the headstock to a 90 degree angle. Retighten the pin lock and the machine is now ready to accept the faceplate and blank. Make sure that you tighten the grub screw located on the shaft side of the faceplate.



4. Check to see if the blank is out of balance. In most cases this will be so and it will be necessary to start the work on the second speed or lower. See manual to see how this is done.



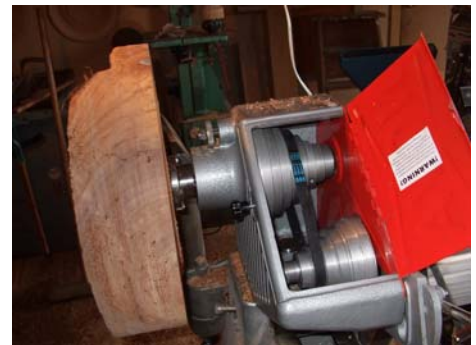


NOVA PROJECT MAKING A LARGE FOOTED BOWL

5. To bring the blank into balance start by adjusting the outrigger so that there is room for the blank to revolve. Start on the edge first, and rubbing the bevel of your chisel slowly bring the blank to a true circle.



6. Move the outrigger to the face of the blank. This should be just below center and as above, make several cuts to true it up.



7. The blank should now be in balance and the speed of the motor can be stepped up to 1030 rpm.



8. The face that you see will be the outside of the bowl, so it will be necessary to cut a rebate of a little over 50mm wide and 5mm deep to house the chuck when the piece is reversed.



9. The foot of the bowl should be approx 1/3 of the width of the blank and can be marked in pencil to show where this will finish.





NOVA PROJECT MAKING A LARGE FOOTED BOWL

10. From this point it is over to the turner to decide on the shape of the bowl which should be turned “down the hill”, that is from the foot to the lip of the bowl. Always remember however to rub the bevel of the chisel, then by lifting the back hand the chisel will start to cut itself. Don't be impatient.



11. When the shape has been refined to your satisfaction, reduce the speed to 360 rpm and sand through the grits. Suggested grits, 120, 180, 240, 320, 400, 600.



12 Finish with sanding sealer and a coat of wax.



13. Reverse the bowl, remove the faceplate, and attach to the chuck. Check to see that it revolves truly, step up the speed to 1030rpm, and commence to hollow the inside. Try to keep the thickness of the bowl constant. It should be a mirror image of the outside.



14. When completed, sand through the grits, and finish as per outside.





NOVA PROJECT MAKING A LARGE FOOTED BOWL



14. To complete the bottom and get rid of the chuck rebate, if you do not have access to a vacuum chuck, prepare a thin blank slightly bigger than the bowl, and hollow the area where the bowl will sit. Hot glue the bowl to the blank and complete the bottom to your satisfaction. Sand and finish. The bowl can be removed from the blank by the use of Turpentine.



15. Congratulations. You have now complete this 3 footed bowl project.



The NOVA Outrigger allow you stretch NOVA lathe's bowl turning capacity to 29"!

This NOVA Ornamental Turner unit is available through every NOVA reseller.



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