

PROJECT PLAN - COFFEE TABLE

This coffee table only needs two slots (rebates) cut in the end frames to house the stretcher rail, there are no other joints. An extra layer of ply wood is glued at the top and either side of the leg sets and also at the middle on each side of the stretcher rail. This allows more scope when shaping. The stretcher rail is glued in place and the glass top is firmly held with suction mirror pads.



REQUIREMENTS

1. Arbortech Rotary Shaping Tool (Woodcarver Kit, Industrial Kit, Mini Grinder, and/or Power Chisel)
2. Fitted to suitable 4 inch (100mm) or 4-1/2 inch (115mm) angle grinder.
3. WOOD - 1 piece of plywood 1220 x 1350 x 19mm
4. GLUE - White P.V.A. is adequate.
5. PORTABLE JIG SAW
6. 3-6 F CLAMPS
7. SAND PAPER - Sand with Arbortech Grinder Sanding Kit first use 40 grit then 80 grit. Finish by hand with 120 grit.
8. FINISH - Use a wax polish or brush applied varnish by choice.
9. GLASS TOP - 1000 x 700 x 10mm with 50mm radius corners
4 x suction glass table pads. (to support glass). NB Any sturdy alternative to glass can be used
10. **SAFETY** - Safety glasses, ear plugs, dust mask & close fitting clothes.

METHOD

1. [Click here](#) to view and print scaled instructions to create a card template of the coffee table, which can be made as described below.

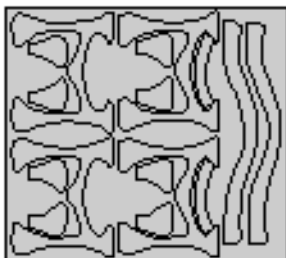
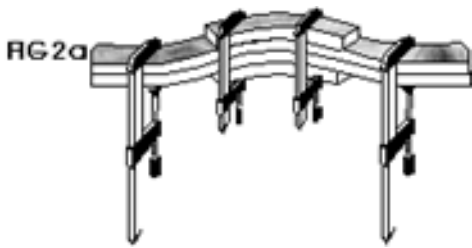


FIG 1 - 1350 x 1220mm

1. FIG 1 The lay up plan of how to trace your templates on to the wood and the numbers of each shape you need to cut out. with a jig saw.



2. FIG 2a&b. Glue the eight pieces of wood together in each leg set, and the four pieces for the stretcher rail.

FIG 2b



Fig 3a

3. Mark and cut out the 38mm wide rebates that houses the stretcher rail as shown in FIG 3a. A full 'haunch joint' may be used by cutting a matching rebate in the underside of the stretcher rail as shown in FIG 3b.

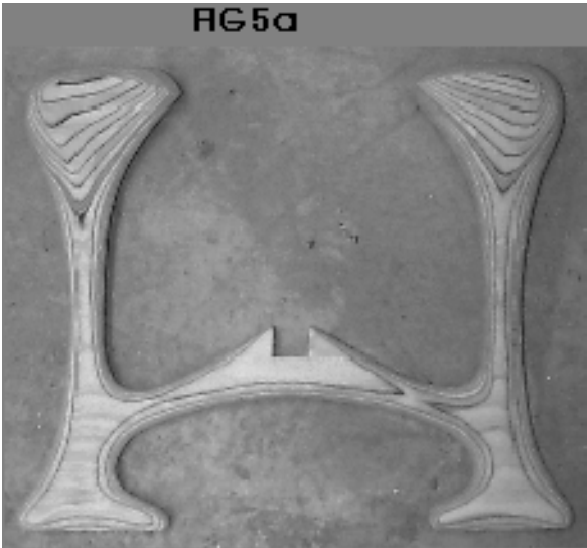
FIG 3b



Fig 4

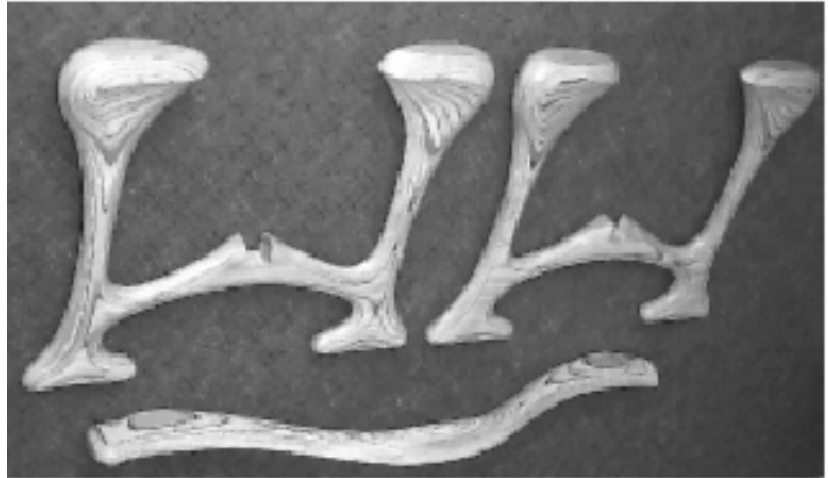
4. FIG 4 Grip the work piece firmly and start by shaping away the steps in the plywood.

FIG 5a



5. Now gradually shape the surface all over by rounding edges and shaping as shown in FIG 5 a&b and seen in the finished coffee table. There is scope to shape and form the wood in alternative ways if you prefer.

FIG 5b



6. The Arbortech Flexible Grinder Sanding Kit is used towards the end of shaping and is used to cut away all the tool marks and allow you to fine shape and adjust the final profiles. After 40 grit, use 80 grit and then hand sand.

7. To obtain a good finish, first seal the pores of the wood with either a cellulose or oil sealing compound. They are called grain sealers and obtainable from woodworking suppliers. Apply a generous coat with a rag rubbing into the wood grain. Allow this to dry and sand lightly with a fine sand paper. Apply another sparing coat of sealer with a rag, allow to dry. Apply polish or varnish finish.