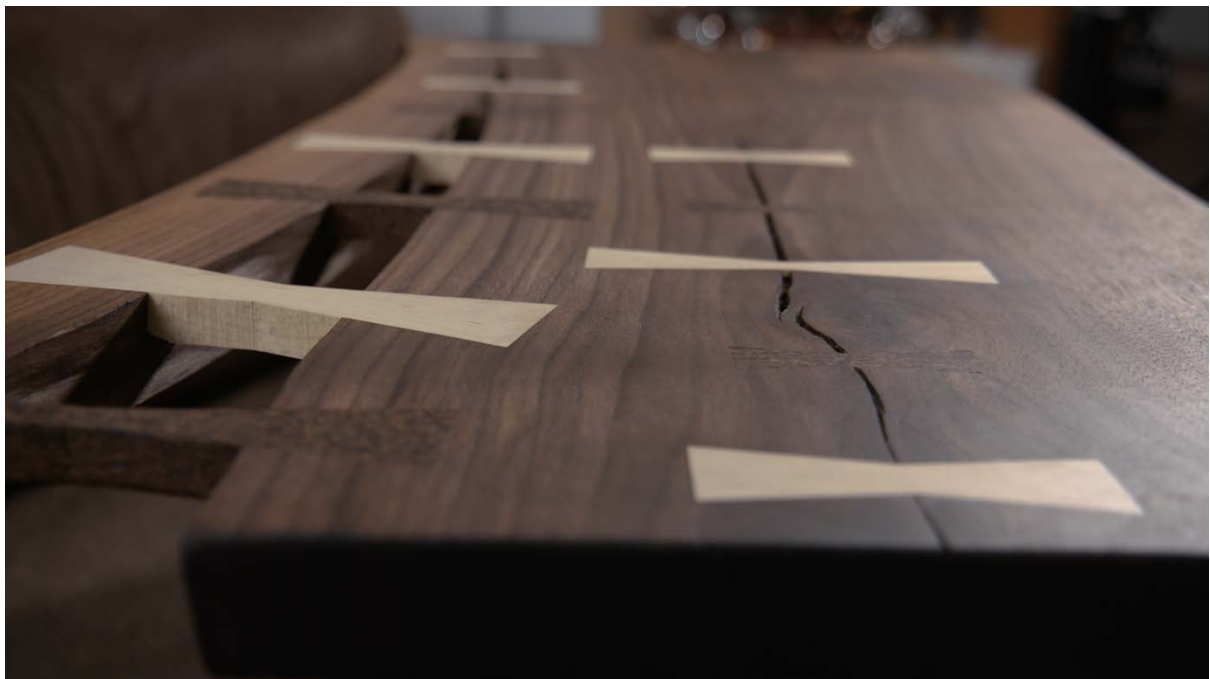


Evolution Power Tools TV – Project 1 – Hard wood coffee table

Use this handy worksheet to follow along with Will's coffee table build.



Materials:

1 x Walnut slab 1200 x 900+- x 55mm (for the top)

2 x Kiaat 1200 x 225 x 23mm (for the legs)

1 x Black Palmira 1200 x 75 x 28mm (for the bowties)

1 x Maple 1350 x 160 x 22mm (for the bowties)

Rubio Monocoat PURE Oil + 2C (SET A+B) – 350ml

Tools:

Bandsaw

Router

Mitre saw

Table saw

Set square

Tape measure

Pencil

Masking tape

Chisel

Mallet

Hand planer

Orbital sander

Clamps

Circular saw

Belt sander

Paintbrush

Biscuit jointer (optional)

Resin (optional)

1. Selecting the wood.

Choose the best pieces of each type of wood (see materials) that's required for the project. Wood types can be substituted for similar hard woods but make sure you get at least the dimensions indicated.



2. Cutting the main pieces

Cut the palmira and maple into more manageable lengths, ready to cut the bowties. Make sure your pieces are large enough to accommodate the size of the bowtie.



3. Cutting the bow ties

Mark the shape of the bowties on the pre-cut pieces of palmira and maple. Cut out the bowties on the bandsaw. Use the shape of the bowties to mark the joints on the wood.



4. Making the joints

Use a router to cut out the shapes of the joints. Use a hammer and chisel to neaten-up the joints. Add glue to the bow ties and then place each one into the joint.



5. Finishing the joints

Use the hand planer to smooth-down the joints. Follow this up by using the orbital sander to sand the joints to make them look smooth and neat.



6. Measuring and making the mitre joints

Find the centre of the coffee table top and mark your datum line. Use this line to mark the cut for your waterfall edge. Use a circular saw to cut this mark at a 45 degree angle. Use the biscuit joiner to cut slots across each edge.



7. Joining the pieces

Add glue to each of the edges and then add the biscuits to the pre-cut slots. Connect the two pieces and clamp, ready for the glue to dry.



8. Sealing the cracks

Mix the resin in a small container and spread the mixture into a crack. Smooth out the resin using a spatula so that it is flat to the surface.



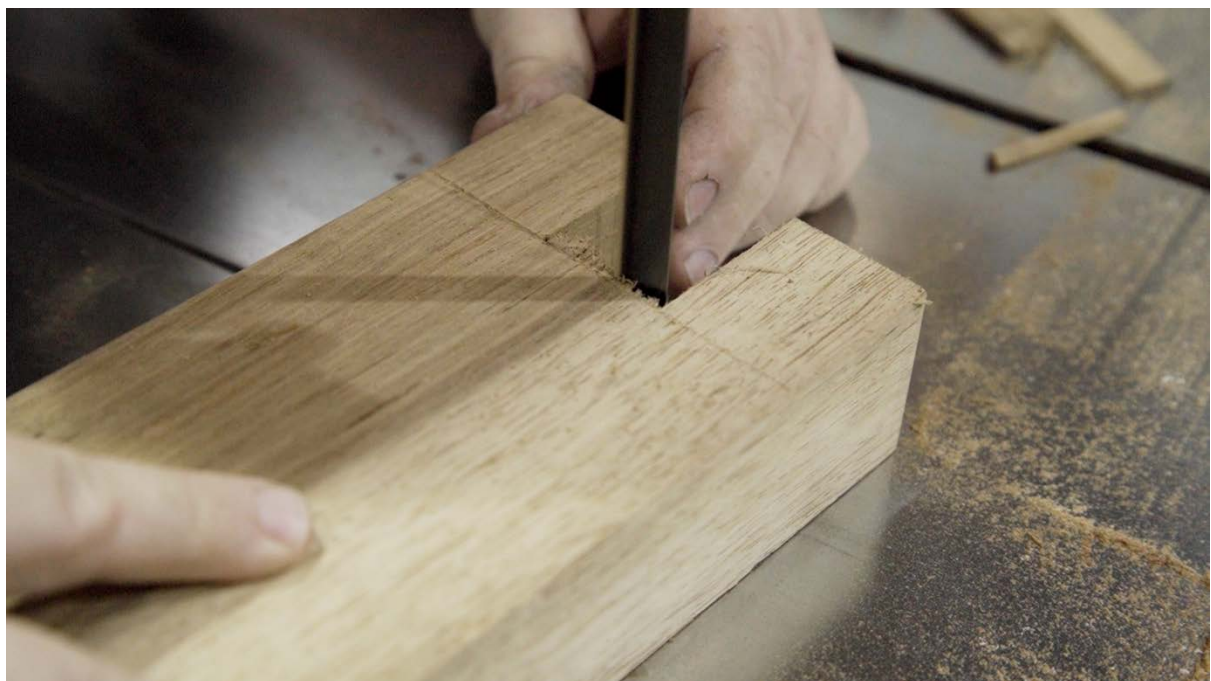
9. Cutting the legs to size

By measuring the distance between the bottom of the table to the bottom of the waterfall edge, you can determine how long you need your leg pieces to be. Measure out the pieces of kiaat to these lengths. Cut these lengths on the mitre saw.



10. Cutting the joints

Mark out the bridal joints and then mark out the corresponding notches on each piece. Cut out these pieces on the band saw. Tidy up the joints with the hammer and chisel, add glue to the joints and slot together.



11. Sanding the table

Use the orbital sander to sand down all of the joints and edges of the table for a smooth, attractive finish.



12. Sealing and finishing

Mix the rubio monocoat. Spread it evenly across the table and use a paintbrush to spread it over smaller areas.

