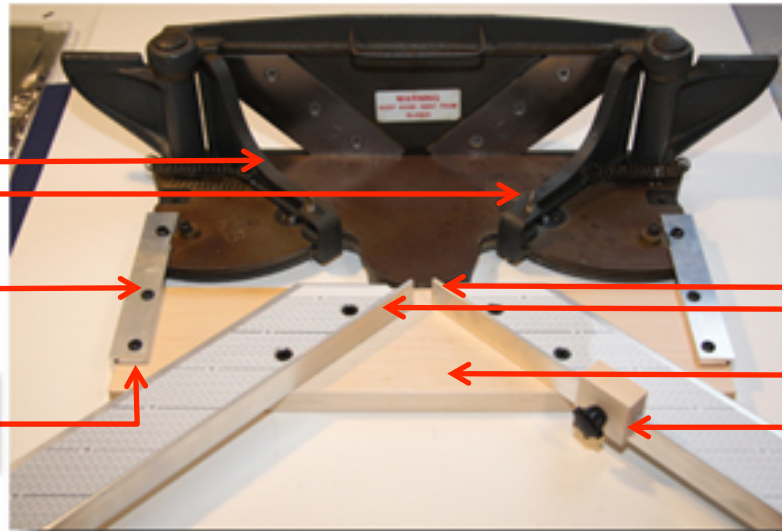


Assembling A Mitre Trimmer Measure System



Mitre Trimmer Fences: set at 45 degrees to blades

L Shaped Bars: wrapping down sides

Wooden Spacers: between the L Shaped Bar and system bench

Measure System fences: raised edge inside

Measure System Bench

Measure Block: "Thumb Screw" towards the inside

The mitre trimmer measure system is a little idiosyncratic to assemble (to say the least). This sheet tries to outline a staged process that will work. Make sure you read this through with all elements identified before starting. Words / phrases in green bold lettering refer to specific terms used for parts illustrated above.

Stage 1: Attach the Measure System Fences

- Attach the left & right hand **measure system fences** to the top of the **wooden bench**. The fences are on the correct side when the raised edge is toward the inside of the arrangement.
- The top of the **wooden bench** is the side with flush drilled large holes: the underside is countersunk to accommodate the large washer and nut (*nb it is a very loose fit in the drilled holes to allow the whole system to be manoeuvred and adjusted at a later stage*)
- To fix the fences in place use the bolts with cross-cut, countersunk heads: the bolts go through from the top, through the **bench**, through the large washer and into the nuts. Tighten till "finger tight".



Measure System fences: Attach from the top (flush drilled holes in bench)

The reverse is counter sunk.



Use the crosscut headed bolts. Nuts & washers underneath

Stage 2: Attach the Connecting Bars

- With the **bench** and **fences** top side up, attach the two metal, **L-shaped bars**. The bars effectively wrap down the sides of the bench with the "return" of the L shape running along the top of bench.
- The bars will extend out behind the bench (to where they attach onto the mitre trimmer base). **IMPORTANT.** You need to slip the small **timber spacers** (1 for each side) between the **bench** and the underside of the metal return of the **L Shaped bars**.
- Holes through the **L Shaped bar**, **wooden spacer** and pre-drilled holes in the **bench** will line up. Use the screws (4 of) with the crosscut heads and pointed end for this BUT screw in until about 5mm out from being fully tight.



The wood spacers fit between the bench top and the underside of the L Shaped bars.

Do not tighten the two screws all the way: 5 mm showing.

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Stage 3: Attach the Measure Assembly to the Trimmer Base

- When the two bars are loosely attached, line up the oval holes in the ends of the bars with the holes in the trimmer base. The bars should wrap down the sides of the trimmer base.
- Use the cross-cut domed, flat ended screws (2 of) to attach each bar to the base of the trimmer. Try to ensure that the edges of the bar fit closely down the sides of the trimmer base. Tighten the screws firmly.
- Now go back to the two screws on either side of the fence, which hold the bench in place and tighten those fully.



Attach the bars to the base of the mitre trimmer. Ensure the bars fit closely to the trimmer (left & right) before fully tightening. **THEN** Tighten the screws holding the L Shaped bar to the measure system bench.

Stage 4: Fine Tune The Measures System Fences

- The assembly is almost complete: parts are in place but the measure system fences need to be adjusted, then tightened when they line up at the same angle as the fences on the Mitre Trimmer itself.
- Work on one edge / line at a time. To do this use a straight edge and run it along the inside edge of the trimmer fence. Manoeuvre the corresponding fence on the measure system so that it too runs exactly along the straight edge and the front edge runs along the front edge of the measure system bench.
- Tighten the nuts on the measure system fence, making sure that as you make the final turns, the fence doesn't move. NB at this stage, if the fence is extending over the edge of a table you can reach both the bolt head and the nut below.
- The measure block can be used on either fence: the slit in the block fits over the raised fence with the threaded hole toward the centre of the arrangement. The thumbscrew then has the two small washer slid on before locating in the threaded edge of the measure block.
- You can now attach the additional measure sheet if desired.

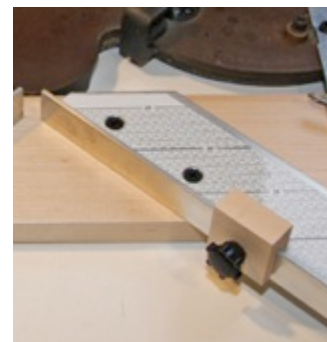


Use a straight edge running from the fence on the Mitre Trimmer to the fence on the measure system: when the straight edge runs along both surfaces without a gap, tighten the measure system fences onto the bench.



Also ensure the front edge of the scale lines up with the front edge of system bench.

Extending the measure system over the edge of a table to reach the nut underneath for tightening



The measure block fits over the rail with the thumbscrew on the inside: two washers fit on the screw before locating in the threaded hole.

Additional Hints / Safety Notes

- Some people set their system across the corner of a table where they can access the machine and measure from the back (left and right).
- if possible leave the system bolted to a work bench
- after use ALWAYS centre the blades and remove the trimmer handle
- if having to move the system in and out of storage, ensure you use the carry handle and support the measure system bench **IMPORTANT Never move when the trimmer handle is in place**
- find a way of covering the blades between use: a piece of backing board / mount board can be curved between the trimmer fences. Some people put a plastic crate over the top of the system.

When using the trimmer try to avoid:

- Knots in the wood
- Metal (especially when trimming elements of a frame, make sure the wings of v-nails have really been removed)