

G0UPL workbench

Written by Hans Summers

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The G0UPL workbench is built entirely from materials from UK DIY store [Homebase](#). The workbench area is 8 x 3 feet, with two shelves 8 feet x 9 inches, constructed from 15mm thickness melamine (white coated MDF). A total of 216 screws were used in the construction. The following photographs show stages of construction. Click for larger versions.

{gallery}workbench{/gallery}

Image details:

1: **Raw materials:** 8-foot melamine planks, 6-foot spruce planks, six steel table legs, two steel tubes (clothes rails), assorted screws and fittings.

2: **Simple tools:** Hacksaw, [Poundland](#) screwdrivers, [Poundland](#) tape measure, [PSU](#), Miniature drill

3: **Worktop construction:** First step in the construction: to screw three 8 x 1 foot Melamine planks together using 30-inch spruce planks. The six steel table legs are screwed to the spruce planks.

4: **Table leg:** Close-up showing one of the [Homebase](#) table legs screwed to the worktop.

5: **Workbench top:** Now it starts to look like a real table, after carefully turning over.

6: **Shelves:** The shelves are constructed from 8 foot x 9 inch Melamine, supported using 25cm steel tubes cut from clothes rail and fixed to the shelves using clothes rail end fittings.

7: **Corner support:** The shelves are made strong and rigid by screwing on further pieces of melamine to the ends.

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8: **Electrical sockets:** Another view of the shelves, and an opportune moment to mention the 16 mains sockets ([Poundland](#) 4-way extensions).

9: **Wiring:** The electrical sockets are switched in banks of 4-4-8 using a triple switch mounted in the centre of the bench, wired on the underside to connection boxes.

10: **More support:** Further support to the melamine planks using 15-inch spruce planks screwed under the worktop. Those are my knees bottom right as I'm on my back to take the photo.

11: **Finished!** Workbench moved into its final position, with equipment and components loaded onto the shelves.

12: **Equipment:** Closer view of workbench: test equipment, tools and components on the left; radio station on the right ([RX](#) , [TX](#) , [ATU](#) , [PSU](#)).