

Machine, Size and total kit weight	Cutting Envelope (XYZ)	Waste board size (X Y)	Minimum machine Footprint (X Y)	Total Machine volume (max dimensions) (XYZ)
Heavymill 1000mm ~80kg*	~900mm x 790mm x 129mm Using a 20mm MDF wasteboard, the Z cut height is ~109mm	998mm x 998mm 2mm undersize in each axis to allow for an easy fit.	1080mm x 1000mm Just extrusion** All surface areas: 1265mm x 1020mm	1405mm x 1205mm x 800mm*** Add 100mm on each axis for enclosure
Heavymill 1500mm ~100kg*	~1300mm x 270mm x 129mm Using a 20mm MDF wasteboard, the Z cut height is ~109mm	1408mm x 1498mm 2mm undersize in each axis to allow for an easy fit.	1490mm x 1500mm Just extrusion** All surface areas: 1675mm x 1520mm	1825mm x 1705mm x 800mm*** Add 150mm on each axis for enclosure design
XYZ-Carve 1000mm ~20kg*	~800mm x 800mm x 75mm Using a 18mm MDF wasteboard, the Z cut height is ~57mm	940mm x 1000mm The XYZ-Carve frame is easy to loosen to allow for best fit.	1080mm x 1000mm Drag chain sits easily on table, no control box****	1130mm x 1050mm x 350mm Add 100mm on each axis for enclosure design.
XYZ-Carve 1500 Y rail upgrade 1000mm X Rail ~22kg*	~800mm x 1300mm x 75mm Using a 18mm MDF wasteboard, the Z cut height is ~57mm	940mm x 1500mm The XYZ-Carve frame is easy to loosen to allow for best fit.	1080mm x 1500mm Drag chain sits easily on table, no control box****	1130mm x 1550mm x 350mm Add 100mm on each axis for enclosure design.

--See page 2 for notes

If building a table for your CNC Router. The minimum machine footprint is necessary, you can go larger.

Total machine volume is the longest end to end in each direction. If you have a tight space, use this to learn if the machine will fit.

1* Not including MDF or Tee Slot bed wasteboard weight. No router weight on the XYZ-Carve accounted for (3kg). A 5kg spindle weight is accounted for on Heavymills

2 ** The machine contact area with bench surface would just be the aluminium extrusion, not any drag chain support or black Y plates. This option demonstrates the minimum table/bench size a machine can sit on. We recommend supporting all surface areas, but this does not impede machine performance.

3 *** This is the total volume the machine and all its movements will cover. For example, the Y dimension is the stepper to stepper motor (wing) span. The X dimension accommodates for the X gantry overhang at the rear of the machine when in the home position. Use this section to decide which machine will fit in your designated area. 3DTEK machines can be very heavy but are easily transported when necessary with help. If building an enclosure, do factor in additional Y axis space if you are using a dust shoe.

4 **** The isolated XYZ-Carve control box should be set up away from the machine, not situated on the same table. Leave plenty of cable length on stepper motors/limits to allow the positioning of this.