

WorkBee Z1+ Tech Specs

DIMENSIONS		
Machine Size (X x Y)	Working Area (X x Y)	Weight
500 x 500mm	270 x 270mm	24.8kg
750 x 750mm	520 x 520mm	28.5kg
750 x 1000mm	520 x 770mm	30.9kg
1000 x 1000mm	770 x 770mm	32.6kg
1000 x 1500mm	770 x 1270mm	37.8kg
1500 x 1500mm	1270 x 1270mm	40.4kg

*Weights calculated without a router head, spoilerboard and other additional extras.

Overall Height	Maximum Cut Depth*	Maximum Z-Axis Travel**
510mm	44mm	88mm

* Calculated with an 18mm spoilerboard. Deeper materials can be cut, but you will not be able to cut the whole way through.

** Calculated with an 18mm spoilerboard.

CUTTABLE MATERIALS	
PLASTICS	ABS, Acrylic, Corian, Coroplast, Correx, Delrin, Dibond, HDPE, LDPE, Perspex, Polycarbonate, PET, PVC etc
METALS	Aluminium*, Brass, Bronze, Copper, Gold, Lead, Silver, Tin, Zinc et (*Machinable Grades Only including 1100, 2011, 3003 and 6061.)
WOODS	Hardwoods, Softwoods, composites, MDF, Chipboard, Plywood, OSB etc.
FOAMS	Polyethylene ,Polystyrene, Foamboard, Foamex, Polyurethane, High Density Urethane, Styrofoam etc

MECHANICAL FRAME	Anodised Aluminium Extrusion 6mm Anodised Aluminium Plates
MOTION SYSTEM	Wheels on V-Slot Extrusion
DRIVE SYSTEM	Stainless Steel Lead Screw X,Y & Z
MOTORS	NEMA23 Stepper Motors X, Y & Z - 175oz-in
POWER	Input: 100-240V, 3.85/1.6A, 60/50Hz, 385W Output: 24V, 13.34A, 320W
ELECTRONICS	Duet 2 RepRapFirmware
CONNECTIVITY	WiFi (wireless) or Ethernet
FILE STORAGE	Onboard SD card
CONTROL SOFTWARE	WorkBee Control
CAD/CAM SOFTWARE	Compatible with any that export G-code files
ROUTERS	Katsu Compact - 710W, 13000–33000 rpm, UK plug 230V Mafell FM 1000 - 1000W, 4000–25000 rpm, UK/EU/US plug - 110/230V