



BoXZY

Hackable. Modifiable. Customizable.

TECHNICAL SPECIFICATIONS

SOFTWARE INTERFACE	Milling		Laser Engraving		3D Printing	
	<ul style="list-style-type: none"> Full 3D G-Code Rendering with Customizable Visualizations Complete G-Code Text Editor and Previewer 		<ul style="list-style-type: none"> Photo-Quality Laser Interface with Preview and Full Display Positioning, Alignment, Cutting, Etching, and Outlining Toolset 		<ul style="list-style-type: none"> Full 3D CAD Model Rendering Full Toolbar for Scaling and Cut-Away Viewing Features Multi Extruder Support Multiple Embedded Slicer Program 	
PERFORMANCE	Electronic Resolution		Travel Accuracy		Max. Weight Capacity	
	<ul style="list-style-type: none"> 6 microns 		<ul style="list-style-type: none"> w/in 0.00015% over X, Y, and Z 		<ul style="list-style-type: none"> 40 lb. 	
MECHANICAL	Ball Screw Diameters		X, Y, Z Motors		Filament Drive Motor	
	<ul style="list-style-type: none"> X and Y: 16mm (.63 in) Z: 20mm (.78 in) 		<ul style="list-style-type: none"> Nema 23 		<ul style="list-style-type: none"> Nema 17 	
DIMENSIONS	Frame		3D Printing Platform		Milling Platform	
	<ul style="list-style-type: none"> 388 x 339 x 357 mm 15.3 x 13.35 x 14.06 in 		<ul style="list-style-type: none"> 234.67 x 239.98 mm 9.24 x 9.45 in 		<ul style="list-style-type: none"> 234.67 x 239.98 mm 10.43 x 9.84 in 	
	Mounting Volume for Milling		Build Volume (Working Envelope)		Machine Weight	
ELECTRONICS	<ul style="list-style-type: none"> 203.2 x 282.56 x 260.35 mm 8 x 11.13 x 10.25 in 		<ul style="list-style-type: none"> 165 x 165 x 165 mm 6.5 x 6.5 x 6.5 in 		<ul style="list-style-type: none"> 40-45 lb. 	
	Processor		Style		Drivers	
COMBINATION E-STOP POWER STATION	<ul style="list-style-type: none"> Mega 2560 		<ul style="list-style-type: none"> Modular 		<ul style="list-style-type: none"> Replaceable A4988 	
	Power Output		Power Input		Body	
	<ul style="list-style-type: none"> 19 Volts 200 Watts 		<ul style="list-style-type: none"> 120 Volts 2 Amps 220-240V (International option) 		<ul style="list-style-type: none"> Stainless Steel 	
Indicators		Power Switch Regulated Outlets		Power Station Dimensions		
<ul style="list-style-type: none"> Emerald Green Indicator Light 		<ul style="list-style-type: none"> 120 Volts Duplex 		<ul style="list-style-type: none"> 244.48 mm x 107.95 x 63.5 mm 9.63 x 4.25 x 2.5 in 		
3D PRINTING HEAD	Nozzle Diameter		Filament Diameter		File Types	
	<ul style="list-style-type: none"> 0.4 mm 		<ul style="list-style-type: none"> 1.75 mm 		<ul style="list-style-type: none"> .STL .OBJ 	
Heater		Cooling		Default Layer Height		
<ul style="list-style-type: none"> 40 Watts Variable 		<ul style="list-style-type: none"> 30 CFM 		<ul style="list-style-type: none"> 0.1-0.2 mm 0.004-0.008 in 		
CNC MILLING HEAD	Horsepower		RPM		Dimensions	
	<ul style="list-style-type: none"> 1 1/4 		<ul style="list-style-type: none"> Variable 10,000-30,000 		<ul style="list-style-type: none"> Weight: 3.9 lb Length: 200.15 mm (7.88 in) Shaft Diameter: 65.75 mm (2.59 in) 	
Collet		Power		Materials		
<ul style="list-style-type: none"> 6.35 mm (1/4 inch) Accepts adapters 		<ul style="list-style-type: none"> 938 Watts 6.5 Amps 120 Volts 		<ul style="list-style-type: none"> Plastics: ABS, Acetal, Acrylic, PVC... Metals: Steel, Aluminum, Brass, Bronze, Silver... Woods: Oak, Maple, Hickory, Walnut... And many more! 		
LASER ENGRAVING HEAD	Watts		Spectrum		Dimensions	
	<ul style="list-style-type: none"> 2000 mW 		<ul style="list-style-type: none"> 445 Nanometer 		<ul style="list-style-type: none"> Weight: 1.1 lb. Length: 203.2 mm (8 in) Diameter: 65.75 mm (2.59 in) 	
Cooling		File Types		Materials		
<ul style="list-style-type: none"> 30 CFM 		<ul style="list-style-type: none"> .JPEG .PNG .BMP 		<ul style="list-style-type: none"> Anodized Aluminum Hardwoods Leather Opaque Plastics Foods And many more! 		

Fabricated In Pittsburgh PA USA