

Painter X 3D Printer

Extruder and Hotend

- Max temperature – 320°C
- Extruder torque – 27.4 N·cm
- Nozzle size - .4mm to 1.2mm swappable nozzles
- 104GT2 cartridge thermistor
- 12V 40w heater cartridge
- e3D v6 Volcano hotend with Bond tech extruder

Movement

- instantaneous acceleration in X and Y - 1000 mm/s²
- instantaneous acceleration in Z - 800 mm/s²
- XY Jerk – 10mm/sec
- Z Jerk – .4mm/sec

	<i>Build Dimension</i>	<i>Work Length</i>	<i>Steps/mm</i>	<i>Resolution</i>
<i>X axis</i>	1040mm	1000mm	80	10µm
<i>Y axis</i>	1040mm	1000mm	80	10µm
<i>Z axis</i>	300mm	75mm	2650	35µm

Construction

- X and Y axis - 2040 Aluminum Extrusions with delrin V-wheels
- Z axis – 8mm ACME Leadscrew
- Sheet metal parts - Hardened steel
- Build plate - 3mm Borosilicate glass

Electronics

- Control board - RAMBo board v1.2
- Software – Customized Marlin firmware v1.0.2-1
- Power supply - 12V 30A DC Switching PSU