



The Hardware to aid Tinkering

Of critical importance to any tinkering laboratory is the quality of hardware that allows young minds to explore, imagine and execute. This is where Grey Sim steals a march over competitors, with indigenously developed equipment that allows kids countless ways to assemble the parts and interact with their creations.



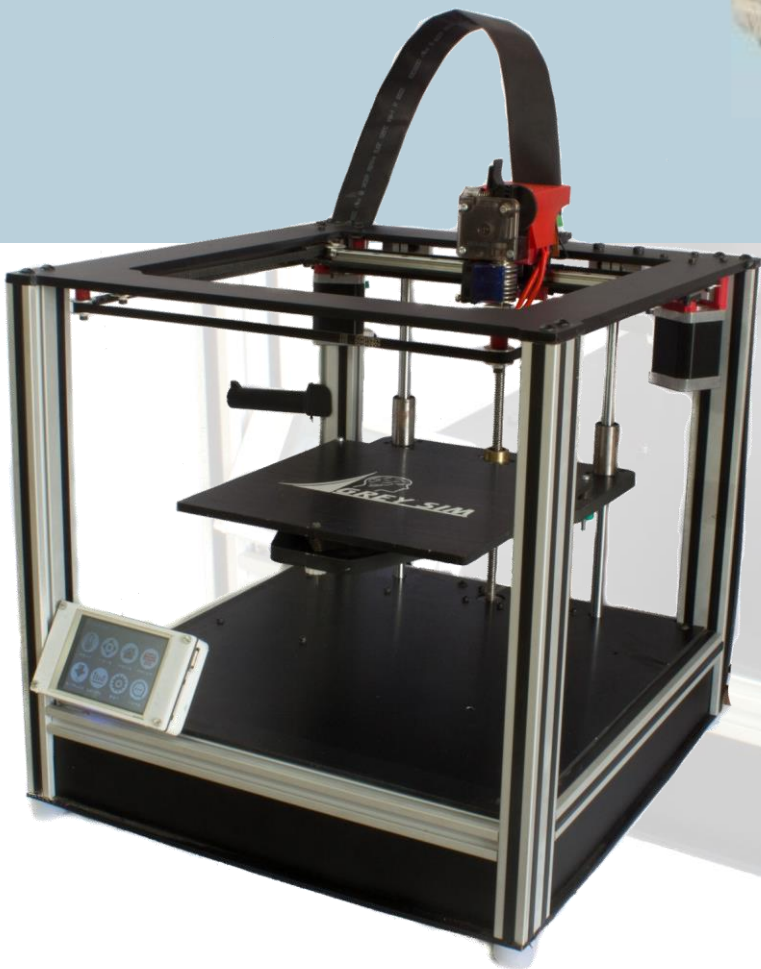
G-Bot 3D Printer

Our pride and joy – G-Bot is an indigenous 3D printer, developed 100% in India, by Indians and for Indians.

With the superior feature of PFRS (Power Failure Recovery System) which is needed for protection from the impact of power failure (incidentally, this feature is absent in international 3D printers, costing three times as much as G-Bot). It is built using robust parts that can sustain continuous long hour prints without malfunctioning.

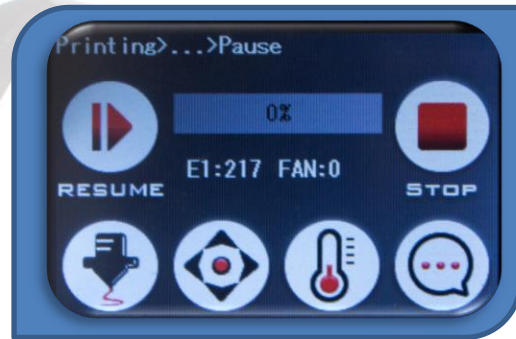
Other state of the art features include

- 3 inch LCD touch screen
- Assisted bed leveling
- Glass bed without adhesive tape
- Block resistive nozzle
- Large build volume of 200mm x 180mm x180 mm



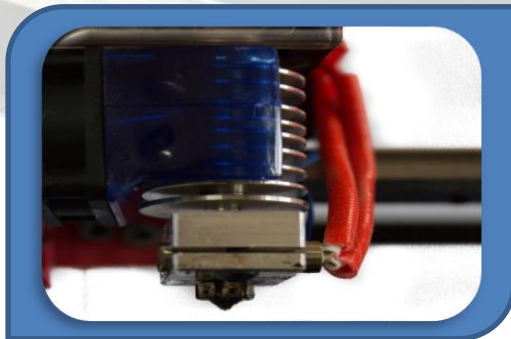
Salient Features

- Power Failure Recovery System
- 3 Inch Color Touch Screen LCD
- Can be printed from USB and SD card



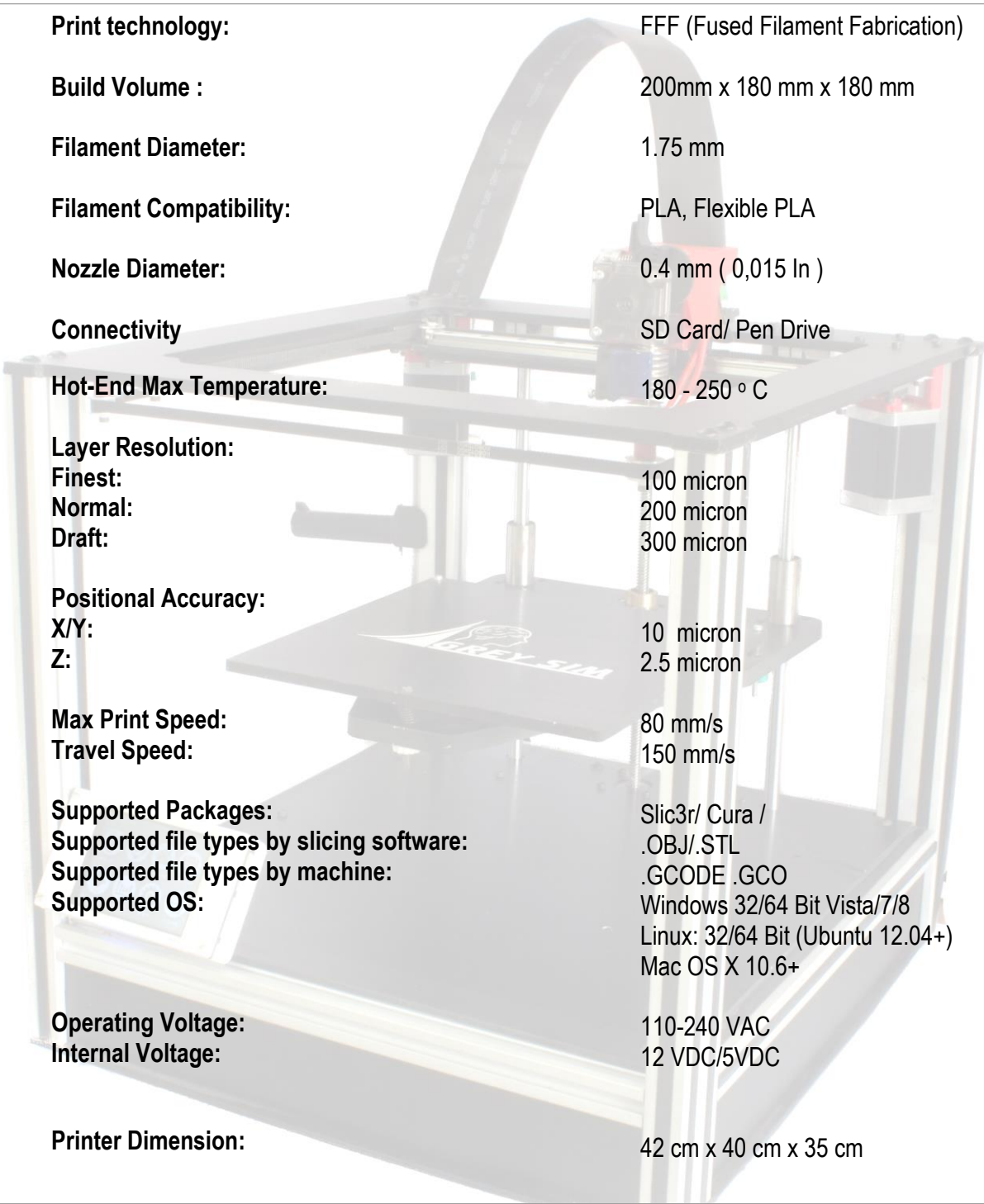
- Geared extruder offers high torque
- Adjustable Tension knob for different types of filament e.g. flexible

- Linear Rail guides for precision
- Core XY system
- Integrated Motor for Z axis



- Metal Hot end with easily changeable nozzle
- Minimum Layer Height from 0.05mm
- High temp range

Technical Specifications



Print technology:	FFF (Fused Filament Fabrication)
Build Volume :	200mm x 180 mm x 180 mm
Filament Diameter:	1.75 mm
Filament Compatibility:	PLA, Flexible PLA
Nozzle Diameter:	0.4 mm (0,015 In)
Connectivity	SD Card/ Pen Drive
Hot-End Max Temperature:	180 - 250 ° C
Layer Resolution:	
Finest:	100 micron
Normal:	200 micron
Draft:	300 micron
Positional Accuracy:	
X/Y:	10 micron
Z:	2.5 micron
Max Print Speed:	80 mm/s
Travel Speed:	150 mm/s
Supported Packages:	Slic3r/ Cura /
Supported file types by slicing software:	.OBJ/.STL
Supported file types by machine:	.GCODE .GCO
Supported OS:	Windows 32/64 Bit Vista/7/8 Linux: 32/64 Bit (Ubuntu 12.04+) Mac OS X 10.6+
Operating Voltage:	110-240 VAC
Internal Voltage:	12 VDC/5VDC
Printer Dimension:	42 cm x 40 cm x 35 cm

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Print Samples

