

Quick start guide

3D Printer

Fracktal Works Julia Advanced



FRACKTAL
WORKS

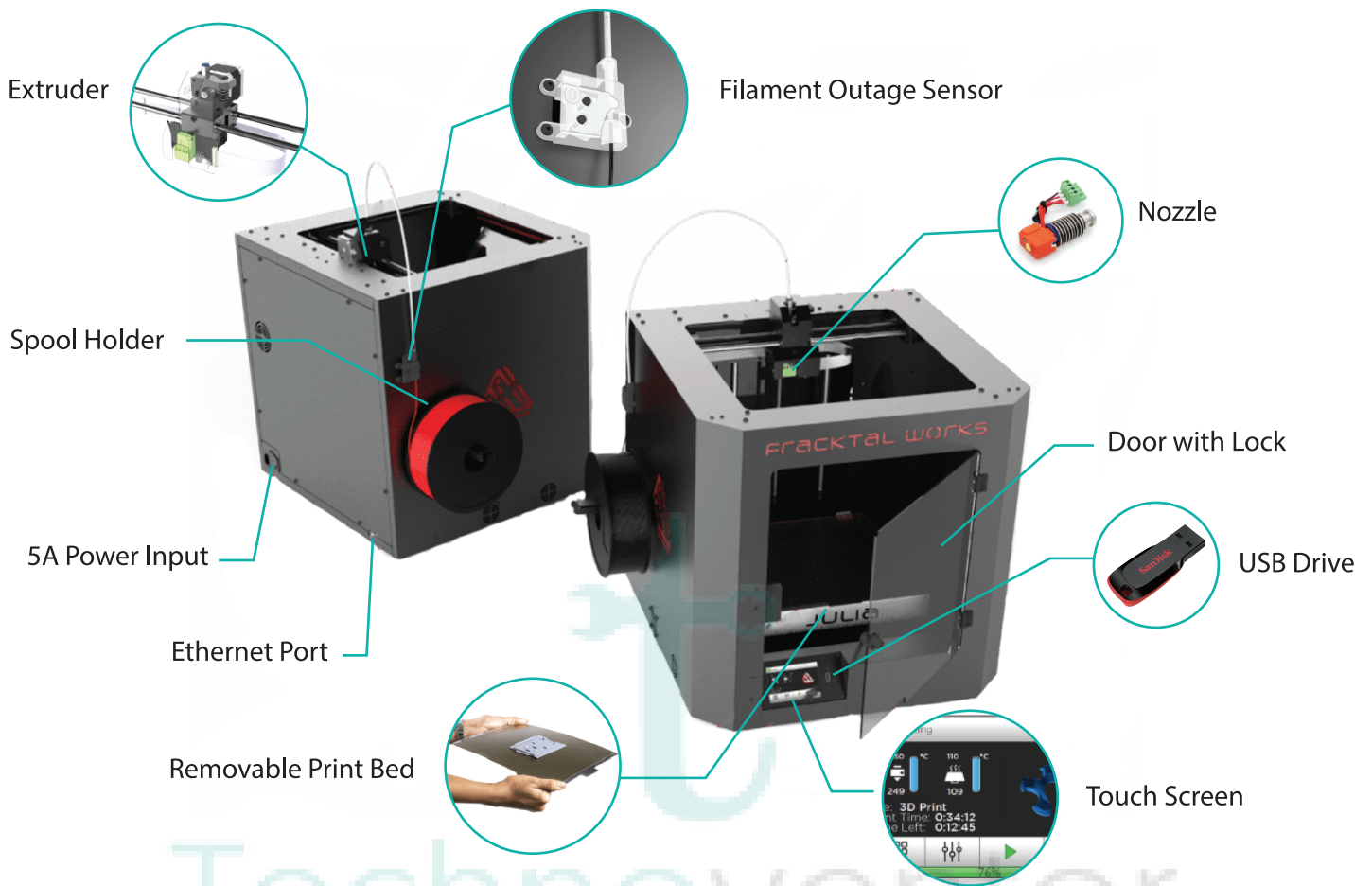
Scan to Download the Software


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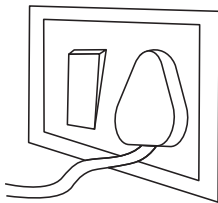
Machine Appearance & Accessories



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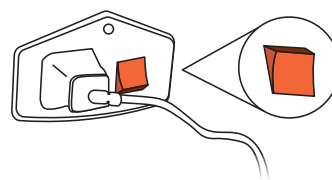
Machine Startup & Testing

1



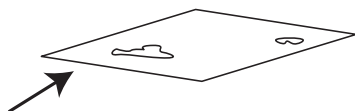
Switch on the Main switch.

2



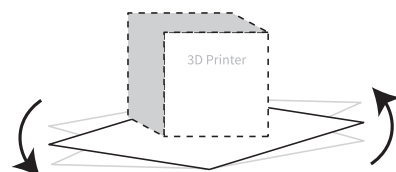
Switch on the machine switch placed at the backside (right side) of the machine.

3



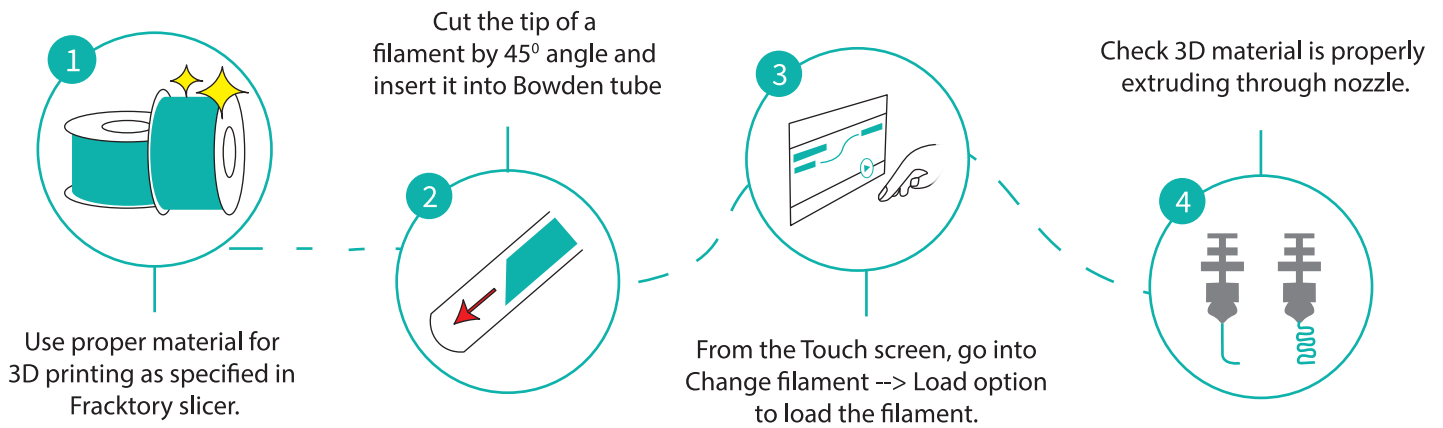
Check the bed surface clean or not?

4

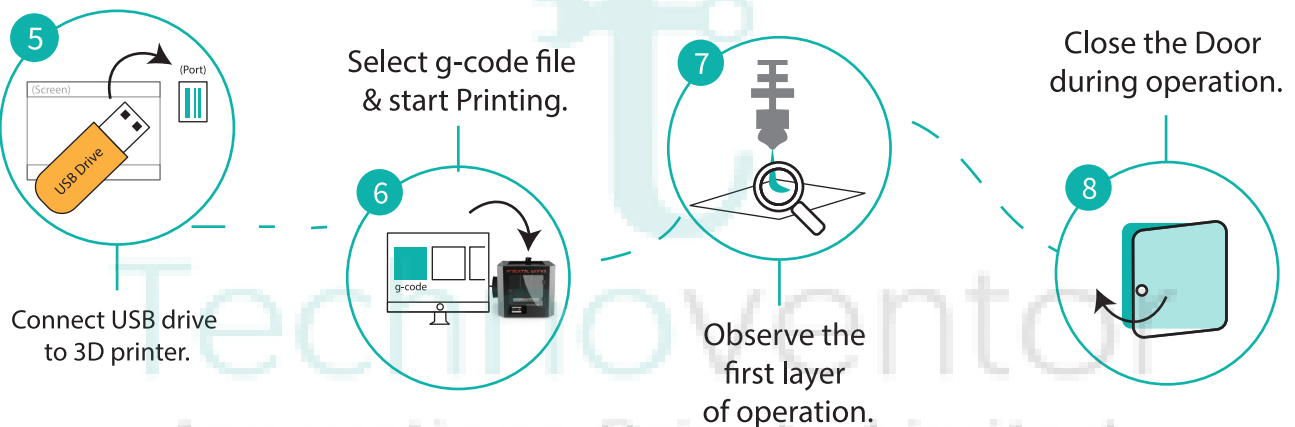


Check the bed levelling.

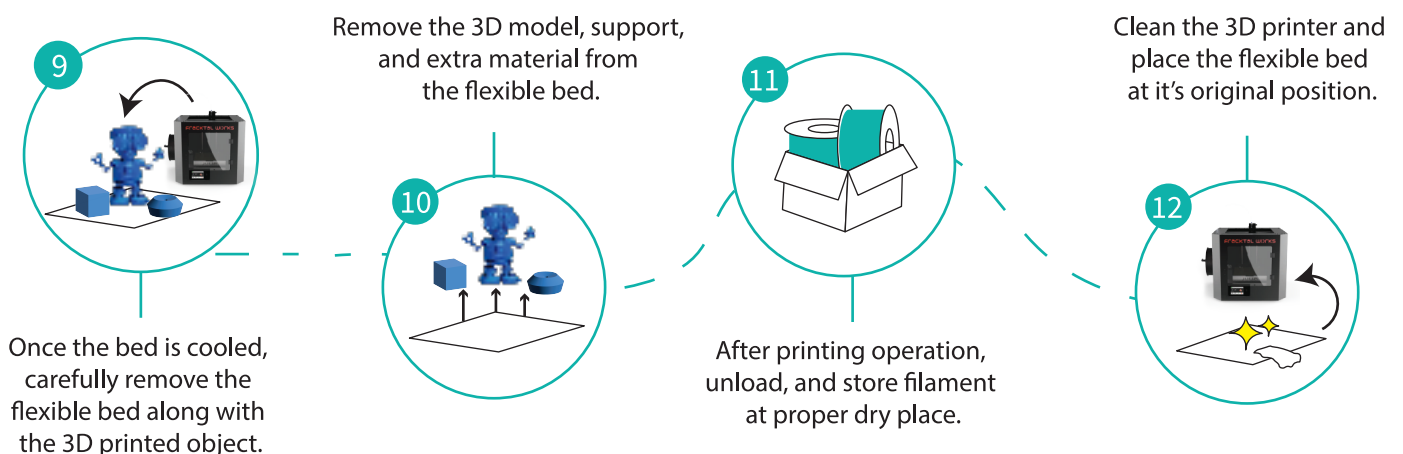
Material Startup



Operation



Post Processing & Maintenance



DO's

- ✓ Always keep machine clean, dry and moisture free.
- ✓ Always keep proper ventilation surrounding to machine.
- ✓ Use good quality filament materials.
- ✓ Clean nozzle and flex bed periodically.
- ✓ Lubricate X-Y-Z axis using WD-40.
- ✓ Always switch off the machine while performing maintenance.

DONT's

- ✗ Do not put the printer near any heat source or inflammable area.
- ✗ Do not put the printer on any vibrational or unstable environment.
- ✗ Do not touch nozzle or bed during printing operation.
- ✗ Do not connect to supply other than AC 230V / 50 Hz.
- ✗ Do not use any other power cable except one supplied.
- ✗ Do not interfere with machine while printing operation is going on

Machine Specification

Machine Size	Advanced: 435 mm x 445 mm x 385 mm	Build Plate	PEI Flexbuild Surface For all other materials Nylon Surface For Nylon, Nylon CF
Build Volume	Advanced: 200 mm x 200 mm x 200 mm	Build Plate Temperature	Upto 150 °C
Print Technology	FFF	Compatible Materials	ABS, PLA, Tough PLA, PLA+, PETg, PVA, PVA+, Nylon*, Carbon Fiber PLA
Filament Diameter	1.75 mm	Supplied Slicing Software	Fracktory Desktop Slicer
Nozzle Diameter	0.25 mm to 0.6 mm	Supported File Types	STL, OBJ, X3D, 3MF, PNG, JPG
Layer Resolution	0.25 mm nozzle: 60 – 180 micron 0.4 mm nozzle: 100 – 300 micron 0.6 mm nozzle: 150 – 450 micron		
XYZ Resolution	8 Micron, 8 Micron, 2 Micron		
Calibration	Active Automatic Levelling & Calibration		
Nozzle Temperatures	Upto 280 °C		
File Transfer	Advanced: USB Pen Drive, WIFI, LAN		

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