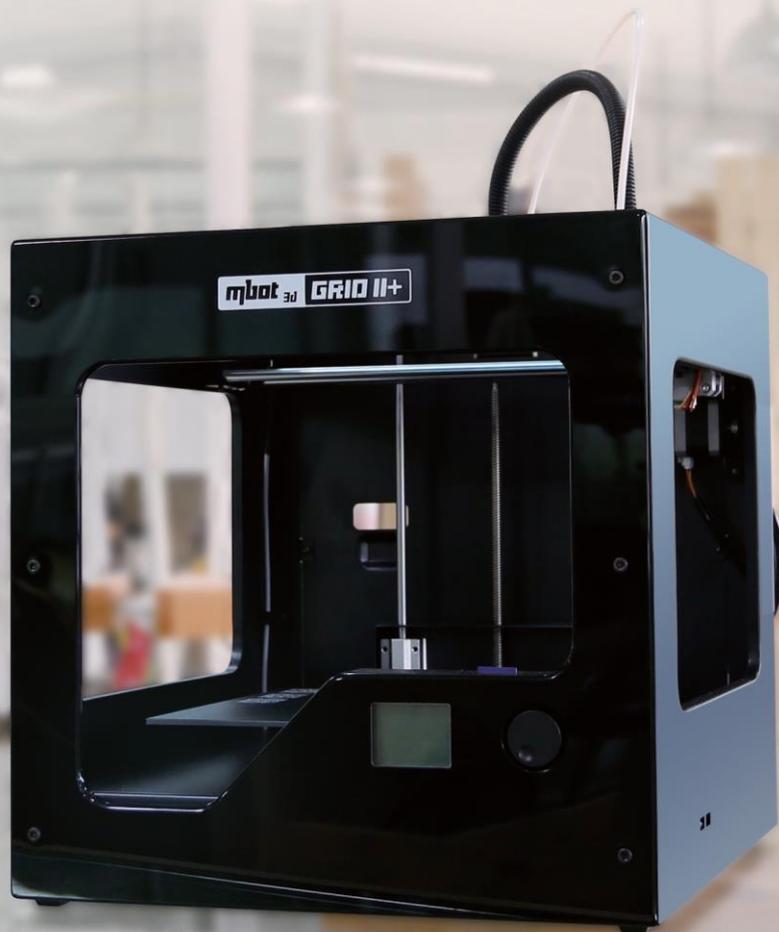


MBot Grid II+
**Affordable Professional
Desktop 3D printer**



mbot 3d

3D Printer favored by all professional user

MBot Grid II+ 3D printer is a feature upgrade of our previous model and has much superior performance and more user-friendly.

MBot Grid II+ has expanded opportunities for new designers and creator to be able to see their ideas into reality. This due to quality at an affordable price.

MBot Grid II+ has given new opportunities to educationalist, medical, new game concept, individual user for hobbies and designers.



Product Research



Designer

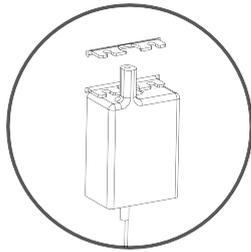
mbot 3D GRID II+



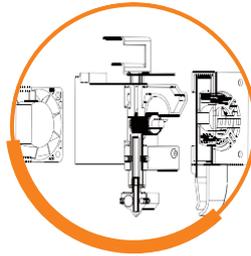
Innovation education



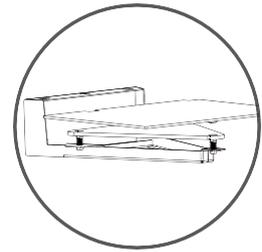
Medical



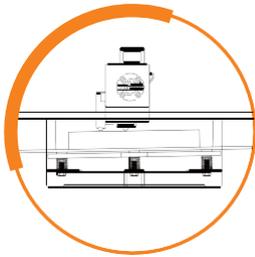
Filament Monitor



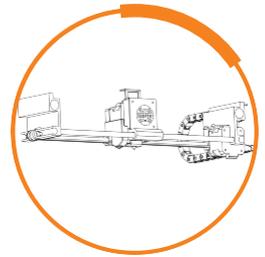
Reliable printing head



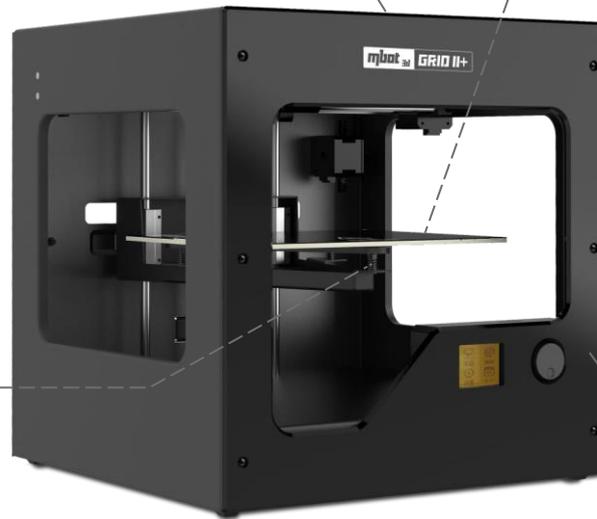
Build platform



Automatic Calibration



Robust Mechanism



Automatic Calibration

A Smart, automatic calibration system is introduced into MBot Grid II+ single head. It is based on a unique three probing positions on build plate which automatically control the levelling accurately and reduces warping.

Filament Monitor

MBot Grid II+ single head comes with unique filament detector which accurately monitors the filament and automatically pause print so you can fix the problem easily.

Reliable printing head

• Dual Cooling Fan

The custom designed front fan is installed to cool the plastic at the extrusion point to prevent curling and an additional cooling fan is installed to cool stepper motor.

• Reliable Extruder

The nozzle is thermally isolated from the feeder mechanism by a custom designed “hot end holder” in PEEK plastic. The filament is also isolated by a PTFE tube all the way down to the melt zone of the nozzle, meanwhile offering an easy access to extruder maintenance.

Build platform

The surface characteristic of the build plate is so designed to reduce warp. Furthermore, the build plate system makes it easy to remove the finished model the build plate can be lifted out of the printer. This is facilitated by the use of magnets which hold the build plate in position during the print.

The adjustable triangular build platform supports and accurate mechanical probe makes build plate leveling easy and precise.

Robust Mechanism

The moving parts around the print-head are all aluminum, which increases stability and reduces vibrations. In Additional, the moving cables are protected by a towline to alleviate bending. This will improve the print quality as well as extending the lifetime of the printer.

Technical Specification

✧ Dimensions & Weight

Printer size	405x405x405 mm
Shipping Box	520x520x580 mm
Net Weight	18 KG
Gross Weight	23 KG

✧ Printing Properties

Print Technology	Fused Filament Fabrication (FFF)
Layer Resolution	0.1- 0.3mm
Build Volume (Single Head)	235x210x180mm
Build Volume (Dual Head)	200x210x180mm
Build Speed	50-120mm/S
Print temperature	180°C-260°C
Print Materials	ABS/PLA Filament
Filament Container	Spool
Filament Diameter	1.75 mm
Nozzle Diameter	0.4 mm
Heated Platform	Optional

✧ Electronic & Mechanics

Assembly Type	Pre-assembled
Casing	Metal Sheet
Extruder	Single or Dual
Y Bearing	Self-lubricating bushings
Stepper Motor	1.8°step angle with 1/16 micro stepping
Data input	SD card/ USB
Build plate leveling	Semi-auto leveling with auto compensation
Build Plate	TAK surface with glass fiber
Control Panel	LCD with Single Knob English and Chinese Instruction

✧ Operating Requirements

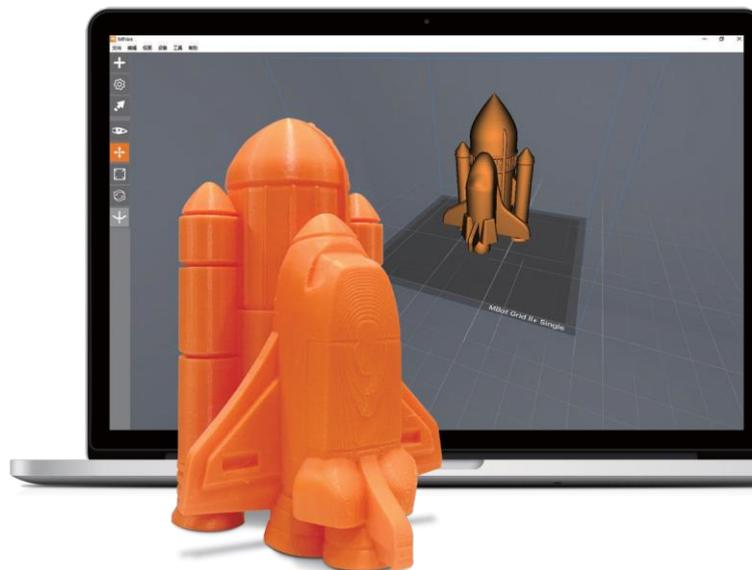
Power Input	110V/220V 50Hz/60Hz, 150W
Slicing Software	MPrint
Operating System	Win OS and Mac OS
Supported file	STL

MBot Grid II+ comes with a 1-year warranty of extruders, stepper motors and electronics.

One-stop service

Simple to use Slicing Software

MPrint converts 3D model of STL format into 3D printer readable X3G file instantly. It allows comprehensive parameter setting and print process preview before print.



Multi-color Printing Materials

MBot3d filament provides multi-color choices and Infinite inspiration to suit your individual requirements.



User community

In the 3D model community woi3d.com, users can share cool 3D models, and gather inspiring ideas.

The user forum provides a platform for all MBot3D printer users to talk about 3D printing machines and applications, and make connections.



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