

THE MAKERBOT REPLICATOR+

Technical Specs



PRINTING

Print Technology

Fused Deposition Modeling

Build Volume

29.5 L X 19.5 W X 16.5 H CM
[11.6 X 7.6 X 6.5 IN]

9,492 Cubic Centimeters
[573 Cubic Inches]

Layer Resolution

100 microns [0.0039 IN]

Material Diameter

1.75 mm [0.069 in]

Material Compatibility

MakerBot PLA Material - Large Spool,
Small Spool
MakerBot Tough Material - Large
Spool
Additional materials such as
bronzefill, copperfill, and woodfill
(visit MakerBot Labs)

Extruder Compatibility

Smart Extruder+
Tough Smart Extruder+
Experimental Extruder

Nozzle Diameter

0.4 MM [0.015 IN]

Print File Type

.MAKERBOT

TEMPERATURE

Ambient Operating Temperature

15-32°C [60-90°F]

Storage Temperature

0-38°C [32-100°F]

SIZE & WEIGHT

Product Dimensions

52.8 L X 44.1 W X 41.0 H CM
[20.8 X 17.4 X 16.2 IN]

Shipping Box

61.6 L X 52.4 W X 57.9 H CM
[24.3 X 20.7 X 22.9 IN]

Product Weight

18.3 KG [40.4 LBS]

Shipping Weight

(Includes Accessory Kit)
22.8 KG [50.2 LBS]

MECHANICAL

Construction

PC ABS with Powder-Coated Steel Reinforcement,
Aluminum Casting and Extrusions for Motion Components

Build Surface

Grip Surface

Build Plate Leveling

Factory Leveled

Stepper Motors

1.8° step angle with 1/16 micro-stepping

XY Positioning Precision

11 Microns [0.0004 IN]

Z Positioning Precision

2.5 Microns [0.0001 IN]

SOFTWARE

Software Bundle

MakerBot Print Software,
MakerBot Mobile

Supported File Types

STL, OBJ

Operating Systems

Windows (7, 10)
Mac OS X (10.9+)

ELECTRICAL

Power Requirements

100-240 V, 50-60 HZ
0.76-0.43 A

Connectivity

USB, Ethernet, Wifi

CAMERA

Camera resolution

640 x 480