

SPECIFICATIONS · MAKERBOT REPLICATOR

PRINTING

Print Technology:	Fused deposition modeling
Build Volume:	25.2 L x 19.9 W x 15.0 H cm [9.9 L x 7.8 W x 5.9 H in]
Layer Resolution:	100 microns
Filament:	1.75 mm [0.069 in] MakerBot PLA Filament
Nozzle Diameter:	0.4 mm [0.015 in]
Print File Type:	.makerbot

SOFTWARE

Software Bundle:	MakerBot Desktop Software
3D Model File Types:	.stl, .obj, .thing
Supported OS:	Windows (7+), Mac OS X (10.7+), Linux (Ubuntu 12.04+, Fedora 19+)

PHYSICAL DIMENSIONS

Printer:	52.8 L x 44.1 W x 41.0 H cm [20.8 L x 17.4 W x 16.2 H in]
Shipping Box:	57.6 L x 52.1 W x 54.6 H cm [22.7 L x 20.5 W x 21.5 H in]
Printer Weight:	16.0 kg [35.3 lbs]
Shipping Weight:	17.6 kg [38.9 lbs]

TEMPERATURE:

Ambient Operating Temperature:	15-32°C [60-90°F]
Storage Temperature:	0-38°C [32-100°F]

ELECTRICAL

Power Requirements:	100-240 VAC; 0.76-0.43 A; 50/60 Hz; 100W
Connectivity:	USB, Ethernet, Wi-Fi [coming soon]

MECHANICAL

Construction:	PC ABS with powder-coated steel reinforcement
Build Surface:	Glass with blue tape
Stepper Motors:	1.8° step angle with 1/16 microstepping
XY Positioning Precision:	11 microns [0.0004 in]
Z Positioning Precision:	2.5 microns [0.0001 in]

CAMERA

Camera Resolution:	640X480
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