

MAKERBOT® REPLICATOR® Z18

3D PRINTER | FIFTH GENERATION

Massive build volume and the best price/performance
in the extra-large, professional 3D printer category.



MAKERBOT.COM/Z18

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3D PRINTER

MASSIVE BUILD VOLUME

- Make extra-large and ultra-tall industrial prototypes, models, and products
- Think and build bigger than ever
- Print multiple things at once so you can get to work on your next design sooner

BEST PRICE/PERFORMANCE IN THE PROFESSIONAL 3D PRINTER CATEGORY

- Enclosed and heated build chamber designed for printing large models with minimal curling
- Fifth generation technology defines the new standard for ease of use, quality, and reliability
- Powered by the new, user-friendly MakerBot Replicator 3D Printing Platform
- App and cloud enabled
- Wi-Fi, Ethernet and USB connectivity ensures a seamless production workflow
- New MakerBot Replicator Smart Extruder is easy to swap or replace

PRINT PAPER-THIN LAYERS

- 100-micron layer resolution
- Get smooth-to-the-touch surfaces that don't need sanding, finishing, or postproduction
- Create professional-quality, high-resolution prototypes and complex models
- Create realistic prototypes and models for demonstrations and presentations
- Choose settings that range from fast draft to finer resolution

SPECIFICATIONS

PRINTING

PRINT TECHNOLOGY
Fused Deposition Modeling

BUILD VOLUME
30.5 L x 30.5 W x 45.7 H cm
[12.0 L x 12.0 W x 18.0 H in]

42,512 cubic centimeters
[2,592 cubic inches]

LAYER RESOLUTION
100 microns [0.0039 in]

FILAMENT DIAMETER
1.75 mm [0.069 in]

FILAMENT COMPATIBILITY
MakerBot PLA Filament
Large: 0.90 kg [2.0 lb]
XL: 2.26 kg [5.0 lb]*
XXL: 4.53 kg [10.0 lb]*

* Requires MakerBot Filament Case

BUILD PLATE
Injection-molded PC-ABS

PRINT CHAMBER
Enclosed and heated build chamber

SIZE & WEIGHT

PRODUCT DIMENSIONS
49.3 L x 56.5 W x 85.4 H cm
[19.4 L x 22.2 W x 33.6 H in]

PRODUCT WEIGHT
41 kg [90 lbs]

ELECTRICAL

POWER REQUIREMENTS
100-240 VAC; 5.4-2.2 A;
50/60 HZ; 350 W

SOFTWARE

FILE TYPES
STL | OBJ | THING | MAKERBOT

OPERATING SYSTEMS
Windows (7+)
MAC OS X (10.7+)
Linux (Ubuntu, Fedora)

CONNECTIVITY
USB, Ethernet, Wi-fi

CAMERA

CAMERA RESOLUTION
320 x 240