

MAKERBOT® REPLICATOR® Z18

3D PRINTER

Supersize your prototypes. Maximize your models.
MakerBot Replicator Z18 3D Printer—now with
the Smart Extruder+ for ultimate reliability.



MAKERBOT: THERE'S AN INNOVATOR IN EVERYONE.

MAKERBOT® REPLICATOR® Z18

3D PRINTER

MASSIVE BUILD VOLUME

- Print more complex, extra-large, and ultra-tall prototypes, models, or products
- Bring larger products to market faster with prototyping that resembles the size and feel of the final product
- Print multiple smaller designs at once to save time and simplify your process
- Give ambitious employees access to more sophisticated 3D printing for their ideas

BEST PRICE/PERFORMANCE IN THE PROFESSIONAL 3D PRINTER CATEGORY

- Affordable print cost of \$24 per pound (cost based on MakerBot Large PLA)
- On-board camera for print monitoring and easily sharing photos of prints
- App and cloud enabled for remote monitoring and control via MakerBot Desktop or MakerBot Mobile
- Offered with a six-month warranty, the new swappable MakerBot Smart Extruder+ ensures reliable results with MakerBot PLA filament over a greater period of time.
- Easily setup and maintain your printer with an intuitive display and dial
- Assisted leveling to ensure consistent results

PROFESSIONAL-QUALITY DETAIL

- 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