

# 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](http://MAKERBOT.COM/Z18)

# MAKERBOT® REPLICATOR® Z18

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

## 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