

# MAKERBOT® REPLICATOR® MINI+

DESKTOP 3D PRINTER

Lasting reliability and greater performance from  
MakerBot's most portable 3D printer





MakerBot.

# THE ALL-NEW MAKERBOT® REPLICATOR® MINI+

Rigorously Tested for over 380,000 Hours

## PRINT TECHNOLOGY

Fused Deposition Modeling

## BUILD VOLUME

10.1 L X 12.6 W X 12.6 H cm

1603 cm<sup>3</sup>

## MIN | MAX LAYER RESOLUTION

100 Microns | 400 Microns

## FILAMENT COMPATIBILITY

Small Spool Of MakerBot PLA Filament

0.5 lb [0.2 kg]

## NOZZLE DIAMETER

0.015 in

## AMBIENT OPERATING TEMPERATURE

60-78°F [15-26°C]

## STORAGE TEMPERATURE

32-100°F [0-38°C]

## PRODUCT DIMENSIONS & WEIGHT

29.5 L X 34.9 W X 38.1 H cm

20.5 lbs [9.3 kg]

## SOFTWARE BUNDLE

Makerbot Print, Makerbot Mobile

## SUPPORTED OS & FILE TYPES

Mac Os X 10.9+ (.makerbot) (.stl)

Windows 7, 10 (.makerbot)(.stl)(.ipt, .iam)

(.sldprt, .sldasm)(.iges, .igs)(.step, .stp)

(.catpart, .catproduct)(.obj) (.prt)

(.par, .asm)(.prt, .prt., .asm, .asm.)(.wrl)

(.x\_t, .x\_b)

## POWER REQUIREMENTS

100-240 V, 50/60 Hz, 0.75-0.45 A

The all-new Replicator Mini+ combines portability with ease-of-use and lasting reliability. The Replicator Mini+ prints high-quality models faster, easier, and with a 28% bigger build volume than its predecessor. To ensure consistent performance, our new 3D printers and their subsystems were re-engineered and rigorously tested for over 380,000 hours\* across multiple facilities.

## New MakerBot Print Software Streamlines and Optimizes Printing

With MakerBot's powerful workflow tools, the Replicator Mini+ streamlines desktop 3D printing for professionals and educators. MakerBot Print allows you to remotely manage all connected printers over the Cloud, and optimize prints for speed and quality. Plus, the guided wireless setup from MakerBot Mobile makes getting started easy.

## Engineered and Extensively Tested to Print Faster, Easier, and More Reliably with a Bigger Build Volume

- Print up to 10.1x12.6x12.6 cm—28% larger than the MakerBot Replicator Mini, so you can print bigger models
- 10% faster than the MakerBot Replicator Mini
- Extensive printer and subsystem testing of 380,000+ hours across multiple facilities over the course of development ensures reliable, high-quality performance
- For improved precision and reliability, we have redesigned the Z-stage and refined the gantry through stiffer materials and sturdier construction
- As a portable 3D printer, you can easily move it between classrooms or offices
- Factory-leveled so the printer doesn't need to be leveled out of the box
- Prints adhere better to new Grip Surface on a more durable build plate, resulting in reduced warping and curling.

## Standardized Features for an Easy and Accessible 3D Printing Experience

- The swappable MakerBot Smart Extruder+ is designed and tested to provide better performance over a longer period of time
- On-board camera for remote monitoring with 640x480 resolution, double that of the MakerBot Replicator Mini
- Connect to the MakerBot Replicator Mini+ using Wi-Fi or USB cable

\* This number includes testing of the MakerBot Replicator+, MakerBot Replicator Mini+, Smart Extruder+, and other subsystems.



**MORE INFORMATION**  
makerbot3d.asia



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www.thingiverse.com



MakerBot.

# THE ALL-NEW MAKERBOT® REPLICATOR®+

Rigorously Tested for over 380,000 Hours

## PRINT TECHNOLOGY

Fused Deposition Modeling

## BUILD VOLUME

29.5 L x 19.5 W x 17.5 H cm

9492 cm<sup>3</sup>

## MIN | MAX LAYER RESOLUTION

100 Microns | 400 Microns

## FILAMENT COMPATIBILITY

Lg Spool Of MakerBot PLA Filament

Lg Spool Of MakerBot Tough PLA Filament

2.0 lb [0.9 kg]

## NOZZLE DIAMETER

0.015 in

## AMBIENT OPERATING TEMPERATURE

60-78°F [15-26°C]

## STORAGE TEMPERATURE

32-100°F [0-38°C]

## PRODUCT DIMENSIONS & WEIGHT

52.8 L X 44.1 W X 41.0 H cm

40.4 lb [18.3 kg]

## SOFTWARE BUNDLE

Makerbot Print, Makerbot Mobile

## SUPPORTED OS & FILE TYPES

Mac Os X 10.9+ (.makerbot) (.stl)

Windows 7, 10 (.makerbot)(.stl)(.ipt, .iam)

(.sldprt, .sldasm)(.iges, .igs)(.step, .stp)

(.catpart, .catproduct)(.obj) (.prt)

(.par, .asm)(.prt, .prt., .asm, .asm.)(.wrl)

(.x\_t, .x\_b)

## POWER REQUIREMENTS

100-240 V, 50/60 Hz, 0.75-0.45 A

The all-new MakerBot Replicator+ combines unparalleled performance with superior results and lasting reliability. The Replicator+ prints high-quality concept models faster, easier, and with a 25% bigger build volume than its predecessor. To ensure consistent performance, our new 3D printers and their subsystems were re-engineered and rigorously tested for over 380,000 hours\* across multiple facilities.

## New MakerBot Print Software Streamlines and Optimizes Printing

With MakerBot's powerful workflow tools, the Replicator+ streamlines desktop 3D printing for professionals and educators. MakerBot Print allows you to import native CAD files, like assemblies and parts, remotely manage all connected printers over the Cloud, and optimize prints for speed and quality.

## Engineered and Extensively Tested to Print Faster, Easier, and More Reliably with a Bigger Build Volume

- Approximately 30% faster print time than the MakerBot Replicator Desktop 3D Printer (5th Generation)
- Print up to 29.5 x 19.5 x 17.5 cm — 25% larger than the MakerBot Replicator, for printing a bigger model or more prints at one time
- Extensive printer and subsystem testing of 380,000+ hours across multiple facilities over the course of development ensures reliable, high-quality performance
- For improved reliability and precision the gantry and Z-stage are redesigned with stiffer materials and a sturdier construction
- Better print adhesion and easier removal using the Flex Build Plate with Grip Surface. Prints adhere better to new Grip Surface resulting in reduced warping and curling. No blue tape required
- Factory-leveled so the printer doesn't need to be leveled out of the box.
- On-board LCD screen supports 8 languages: English, Spanish, Italian, French, German, Japanese, Korean, Chinese
- Compatible with Tough PLA Filament Bundle. Created so engineers and designers can print durable, high-impact strength prototypes and fixtures

## Standardized features for an easy and accessible 3D Printing Experience

- The Swappable MakerBot Smart Extruder+ is designed and tested to provide better performance over a longer period of time
- On-board camera for remote monitoring with 640x480 resolution
- Full-color LCD display for easy interaction and configuration of your printer
- Connect to the MakerBot Replicator+ using Wi-Fi, USB stick, USB cable or Ethernet

\* This number includes testing of the MakerBot Replicator+, MakerBot Replicator Mini+, Smart Extruder+, and other subsystems.



**MORE INFORMATION**

[makerbot3d.asia](http://makerbot3d.asia)



**EXPLORE**

[www.thingiverse.com](http://www.thingiverse.com)

# MAKERBOT® REPLICATOR®+

DESKTOP 3D PRINTER

Unparalleled performance with superior results  
and lasting reliability



# 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

 **ORDER NOW**  
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