

**SEEED-402070002**

## **MakerBot Replicator Dual Extrusion (2-color printing)**



## **PRODUCT DETAILS**

### **The New MakerBot Replicator (Assembled Kit)**

The MakerBot Replicator is the ultimate personal 3D printer, with dual extruders (2-color printing) and a bigger printing footprint, giving you the superpower to print things BIG! Assembled in Brooklyn by skilled technicians, the MakerBot Replicator is ready within minutes to start printing right out of the box.

Personalized manufacturing using a MakerBot Replicator opens up a world of innovation, customization and creativity. Create your own 3D designs or download one of the thousands of models from [Thingiverse.com](http://Thingiverse.com), and turn your ideas into real, physical objects.

With the MakerBot Replicator, you can invent the future and also be a hero around the house. Make shower curtain rings, bath plugs, door knobs, or create custom gifts for special occasions. Design it, MakerBot it and give it away. With a MakerBot Replicator, you've got an inexhaustible supply of awesome.

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The MakerBot Replicator is a new way of making the things you want and need. The MakerBot Replicator embodies the spirit of innovation, allowing you to make things right when you need them and right where you are. Instead of going shopping, MakerBot it!

Plus, if there's an apocalypse this year, those with a MakerBot Replicator will be equipped to create anything needed for survival. Get a MakerBot Replicator to create the things you'll need when the world ends and stores close down.

### **Fully Assembled, Factory Tested, Dedicated Support**

Each MakerBot Replicator is assembled by hand in the MakerBot workshop in Brooklyn NY. If you have questions or need our assistance, the MakerBot Support Team is available to make sure you have a positive experience, right out of the box. When you get your MakerBot Replicator, you'll have your machine up and running in no time.

### **Product Highlights**

- The MakerBot Replicator is assembled and tested prior to shipment.
- Go big! With a print volume of more than 300 cubic inches, you'll be making things the size of a loaf of bread.
- A new world of color. By choosing the dual extrusion option you can make multicolored objects.
- Low cost consumables. Print in either ABS (what Lego® is made of) or PLA (a bio-material made from corn).

### **Technical Specifications**

#### **Printing**

- Build envelope: 225 x145 x150 millimeters or 8.9 x 5.7 x 5.9 inches
- Build Volume: almost 5 liters
- Layer thickness: Choose .2-.3mm with stock nozzle.
- Stock nozzle diameter: 0.4 mm
- Speed: 40 mm/s
- Flow rate: approximately 24 cc/hr
- Maximum recommended extruder temperature: 230°C

- Maximum temperature for heated build platform: 120°C
- Positioning precision: 2.5 micron on Z axis 11 micron on XY axes

## Electronics

- MakerBot MightyBoard single-piece motherboard
- 5 axis, 1/16 micro-stepping motor control
- 4x20 LCD character display and multi-directional control pad
- Piezoelectric buzzer
- Software-controllable RGB LED lighting
- Universal Power Supply - 100-240V, 50/60Hz, 4.0A (input), and takes standard IEC cable

## Software

- Controlled through ReplicatorG
- Compatibility: Linux, Windows, and OSX
- Print from SD card or over USB
- Input file type: STL, gcode

## Materials

- Works with ABS, PLA, and other materials
- Filament diameter: 1.75 mm

## Mechanical

- Linear ball bearings
- Precision ground 8 mm shafts
- Durable ABS injection-molded parts
- Snap-on, snap-off carriage assemblies
- Overall dimensions: 320 x 467 x 381 millimeters or 12.6 x 18.4 x 15 inches
- Shipping weight: 32lbs