

# Detailed Specifications

## MakerBot Replicator 2X Desktop 3D Printer

### PRINTING

Print Technology: Fused Filament Fabrication

Build Volume: 9.7"W x 6.4"L x 6.1"H [24.6 cm x 16.3 cm x 15.5 cm]

Layer Height Settings:

High 100 microns [0.0039 in]

Medium 200 microns [0.0079 in]

Low 300 microns [0.0118 in]

Positioning Precision:

XY: 11 microns [0.0004 in]; Z: 2.5 microns [0.0001 in]

Filament Diameter: 1.75 mm [0.069 in]

Nozzle Diameter: 0.4 mm [0.015 in]

### SOFTWARE

Software Bundle: MakerBot MakerWare™

File Types: STL, OBJ, Thing

Supports: Windows [7+], Ubuntu [11.10+],

Mac OS X [10.6+]

### PHYSICAL DIMENSIONS

Without Spools: 19.1 x 12.8 x 14.7 in [49 x 32 x 38 cm]

With Spools: 19.1 x 16.5 x 14.7 in [49 x 42 x 38 cm]

Weight: 27.8 lbs [12.6 kg]

### ELECTRICAL

AC Input: 100–240V, ~4 amps, 50–60 Hz

Power Requirements: 24V DC @ 9.2 amps

Connectivity: SD card [FAT16, max 2 GB], USB

### MECHANICAL

Chassis: Powder-coated steel

Body: PVC Panels

Build Platform: 356 aluminum

XYZ Bearings: Wear-resistant, oil-infused bronze

Stepper Motors: 1.8° step angle with 1/16 micro-step.