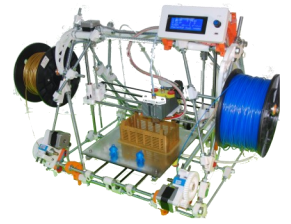




## MasterRap Dual 3D-Printer Specification

**Product dimensions:**

51x50x49 cm (Spool holder unattached)  
(20x19.7x19.3 IN)

**Layer Thickness:**

0.008 - 0.3 mm

**Build platform:**

Heated glass mirror platform  
(250mmX250mm)

**Dual extruder:**

Standard

**Stepper motors:**

1.8° Step angle with 1/16 Micro-stepping

**Body / Construction:**

Steel, Engineering Plastic,  
Chromium plated steel

**Stepping Precision:**

X: 80 step/mm  
Y: 80 step/mm  
Z: 4000 step/mm

**Print speed:**

10 – 180 mm/s

**Travel speed:**

30 – 300 mm/s

**Nozzle diameter**

0.3 mm (0.0118 IN) or 0.4mm (0.0157 IN) option

**Single extruder print:**

Print all at Once configuration:  
Up to 23x23x19 cm (9x9x7.5 inch)  
Print one at a time configuration :  
Up to 23x23x14 cm (9x9x4 inch)

**Dual extruder print:**

Up to 20x18x18 cm

**Max print. volume:**

10.0 liter

**Positioning resolution:**

XY: 12.5 microns Z: 0.3 microns

**Extruder Feature:**

Filament Anti-grinding protection mechanism  
Front load, easy access for quick filament change

**Print bed leveling:**

Easy 3 points leveling system

**Filament holder:**

Dual Spools accept any filament vendor

**Filament materials:**

Take any 1.75mm ABS/PLA filament from any vendor

**Smart LCD controller:**

20X4 character LCD controller,  
Stand-alone offline Printing from SD

**Printing method:**

Print from SD, Print from USB

**Filament Diameter:**

1.75 mm

**Compatible Software**

Repetier Host(Free)  
Cura (Free)

**File format:**

STL, G-code

**Operating systems:**

Windows, Mac OS X, Linux

**Nozzle temperature:**

175° – 265° C

**Connectivity:**

USB (included)

**Operation heated bed temperature:**

25° – 110°

**Power Supply: (Not provided)**

DC 12V 20A required



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