

# gMax 2 Specifications

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**FDM** – Fused Deposition Modeling

**Dimensions:**

18 x 18 x 24 inch (**7,776 in<sup>3</sup>**) Print Volume  
(457.2 x 457.2 x 609.6 mm)

**Weight:**

Approx. 70lbs

**Resolution:**

40 micron to 720 micron (nozzle dependent)

**Linear Motion:**

Metal Linear Guides for X, Y and Z  
4mm Pitch TR10 10mm Lead Screws

**Resolution:**

0.000492" XY Resolution  
0.0000492" Z Resolution with 1/16 microsteps  
0.40mm Min Layer Resolution Recommended

**Nozzle:**

Genuine E3D V6 All-Metal Hotend (0.5mm nozzle included)  
Works with variety of E3D nozzles (0.25mm - 1.2mm)

**Connection:**

Print via USB or Directly from the supplied SD card.  
Advanced WiFi, Cloud and USB Memory Printing Powered by  
Astroprint and the gTouch Controller

**Electronics:**

RAMPS v1.4 Electronics with Custom Marlin Firmware

**Motors:**

NEMA 17 1.68 amp, 1.8 step angle  
TMC2130 Drivers with StealthChop™ Technology and up to  
1/256 Micro Stepping with SpreadCycle™

**Frame:**

Genuine 80/20 Lite Aluminum 1.5" T-Slot Profile with Powder  
Coated Aluminum and Steel Parts manufactured in the USA

**Materials:**

3D printed parts are printed in CF Nylon filament.  
The gMax 2 is enclosure compatible

**Bed:**

18 x 18 inch Heated Bed Controlled by Printer with 4mm  
Borosilicate Glass Bed and Custom BuildTak Surface

**Bed Leveling:**

Integrated Genuine BLTouch Smart Bed Leveling sensor with  
36 Point Bi-Linear Mesh Bed Leveling saves to memory

**Power Supply:**

120v/240v Full Range Micro ATX (Printer uses approx. 60  
watts)  
120v (Only) Heated Bed Plugs Directly Into Wall

**gTouch Controller:**

5" touch screen powered by Astroprint.  
Cloud based slicing, cloud based file storage, wi-fi  
connectivity, gMax tools, phone app, desktop app and many  
more tools.

