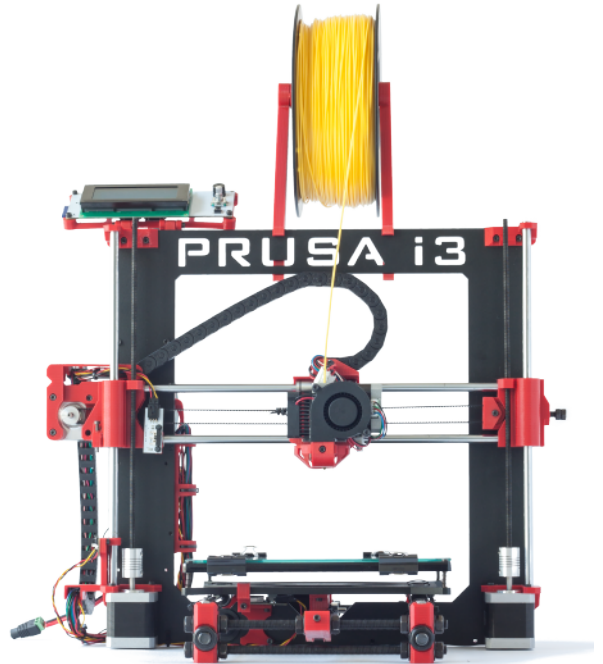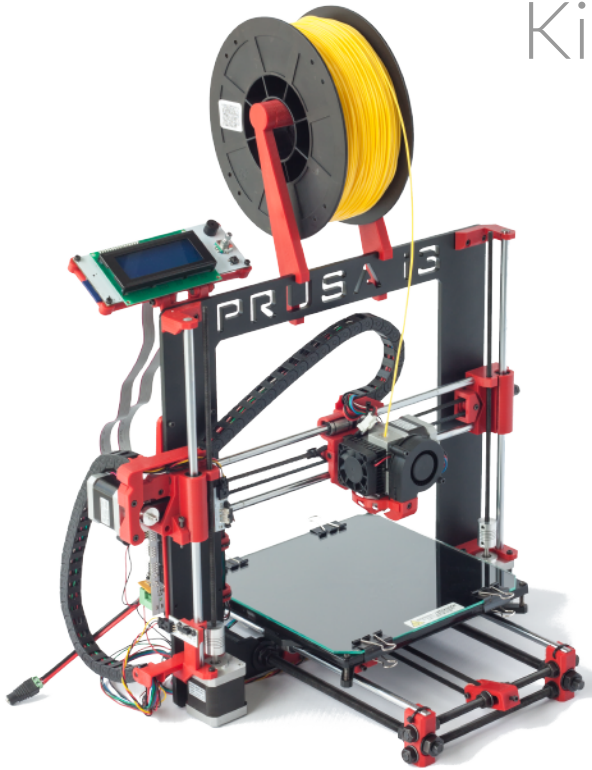**bq**

Kit Prusa i3 Hephestos

TECHNICAL SPECIFICATIONS

All of the electronics in the Prusa i3 HEPHESTOS have been tested and calibrated to ensure optimum functionality. Both the drivers and the firmware are pre-configured to allow users to begin printing as soon as they have finished assembly.

Dimensions and weight

Dimensions, printer: 460 x 370 x 510 mm (without PLA spool)
                             460 x 370 x 583 mm (with PLA spool)
Dim., print area: 215 x 210 x 180 mm
Dimensions, boxed: 408 x 425 x 233 mm
Weight, boxed: 11 Kg

Layer resolution

Very high: 60 microns
High: 100 microns
Medium: 200 microns
Low: 300 microns

Print speed

Recommended speed: 40-60 mm/s
Maximum recommended speed: 80-100 mm/s

Electronics

Ramps 1.4
Mega 2560
LCD screen with rotary encoder and navigation button
Glass base (non-heated): 220 x 220 x 3 mm
Power source: 220 AC 12 DC 100W
100k thermistors in the extruder
Heater cartridge: 40 W, 12 V

General mechanics

Frame and base of powder-coated aluminium
Toughened chrome bars for the X, Y and Z carriages
LM8UU linear ball bearings for the X, Y and Z axes
B623ZZ axial ball bearings for the X and Y pulleys
Igus cable-tidies
Flexible couplings for the threaded bars on the Z axis
4-point cushioned levelling system for the print base
Quick-change print base system with clips
Brushless axial fans with ball bearings
Parts printed using PLA

Extruder mechanics

Own-design extruder
0.4 mm nozzle, for 1.75 mm filament
Fin heat sink with axial fan
Cooling nozzle for printed objects

Software

Marlin-derived firmware
Recommended software environment: Cura Software, slic3r, Repetier, Kisslicer
Permitted files: .gcode
Compatible operating systems:
          Windows XP and later
          Mac OS X and later
          Linux

Connections

SD card reader
Type B USB port

Safety

Own-design extruder protector

Print materials

PLA, HIPS, FilaFlex, among others

Box contents

6 assembly guides
Warranty
Quality certificate

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The image of the device is not contractually binding