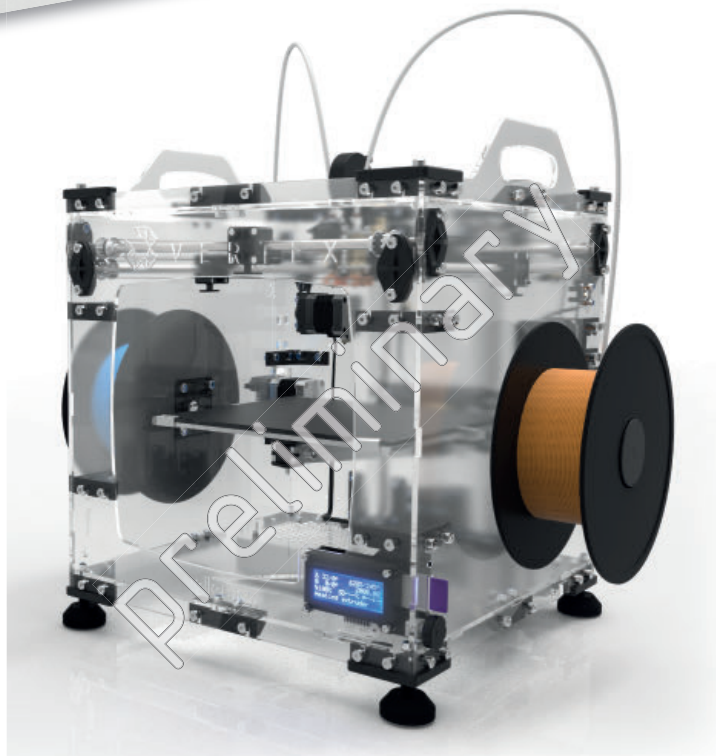


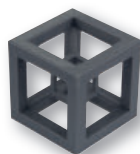
Component : K8400

- ▶ Prints PLA, ABS
(testing with other materials in progress)
- ▶ No soldering required
- ▶ Open filament policy



The Vertex is the next generation Velleman 3D printer kit

Examples:



ADHD Cube
by EDP-TechEdStudent



Low-Poly Torodile
by FLOWALISTIK



Customizable hinge/snap Octahedron net
by mathgrnt



Hilbert Cube
by Ibuser



V E R T E X

Dual head^(*) 3D printer kit

Easy, accurate, affordable & Open Source

Specifications

Printing

- ▶ Print technology: Fused Filament Fabrication (FFF)
- ▶ Layer resolution: standard: 0.1 mm
(maximum: 0.2 mm – minimum: 0.05 mm)
- ▶ Build plate: 215 x 240 mm (8.46" x 9.45")
- ▶ Build volume: 180 x 200 x 190 mm (7" x 7.8" x 7.5")
- ▶ Print speed: 30 mm/s – 120 mm/s
- ▶ Travel speed: 30 mm/s – 300 mm/s
- ▶ Build plate surface: removable layer of BuildTak™
(also sold separately)
- ▶ Filament diameter: 1.75 mm (accepts all filament spools
with a mounting hole ≥ 53 mm)
- ▶ Prints: PLA, ABS
Testing with other materials in progress
- ▶ Nozzle 1&2 diameter: 0.35mm
One nozzle supplied. Second nozzle optional
- ▶ Distance between nozzles: 23.7 mm
- ▶ Maximum nozzle operating temperature: 270 °C

Software

- ▶ Firmware: Modified Open Source Marlin 3D Printer
Firmware – user upgradable
- ▶ Software: Repetier – CuraEngine – Slic3r
(RepRap compatible)

Physical

- ▶ Dimensions: X Y Z 360 – 380 – 395 mm
(14" x 15" x 15.5") (without filament spools)
- ▶ Frame: Polycarbonate panels and fibre reinforced
molded ABS parts

Electrical

- ▶ Communication: USB 2.0 or SD card
- ▶ Controller board: AVR ATmega2560 based
Dual head and heated bed capable
- ▶ Display: 4 x 20 ch. blue LCD with white backlight
- ▶ AC input: 100 – 240 VAC 50–60Hz 150W max.



www.vertex3dprinter.eu

(*) Standard delivered with 1 head, second head optional.

Misprints and errors excepted. Illustrations and texts are subject to change without prior notice. Please do not litter. Velleman® is a registered trademark. Copyright 2014 Velleman NV.