



# V E R T E X

NANO

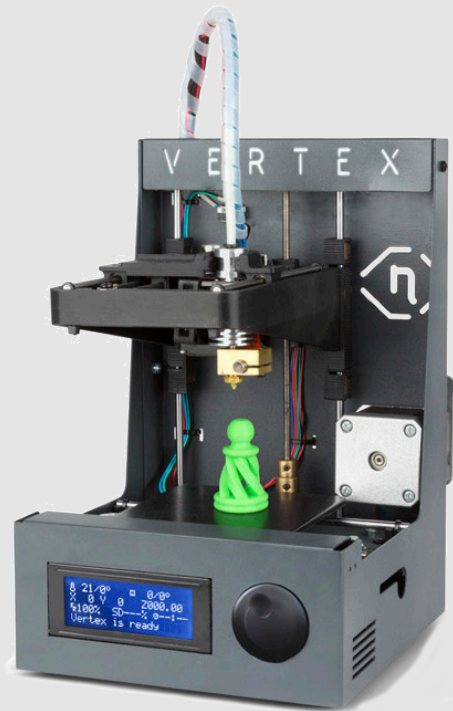
## DATASHEET

VERTEX NANO 3D PRINTER KIT - **K8600**

### REVOLUTIONARY 3D PRINTING

Based on the accuracy and user-friendly character of the first Vertex 3D printer, we bring you the Vertex Nano. This smaller version combines the latest technologies to print refined 3D objects of max. 8 x 8 x 7,5cm in a fast way.

The Vertex Nano is Velleman Projects' 3rd generation 3D printer. Thanks to our experience, we managed to keep this new 3D printer accurate and open source but in a compact and affordable design.



### --- SPECIFICATIONS

#### Printing:

- print technology: Fused Filament Fabrication (FFF)
- layer resolution: standard: 0.1mm  
(maximum: 0.2mm - minimum: 0.05mm)
- build plate: 80 x 80mm
- build volume: 80 x 80 x 7,5mm
- build plate surface: Metal plate with BuildTak™  
(consumable; also sold separately)
- filament diameter: 1.75mm (accepts all filament spools with a mounting hole = 53mm) open filament policy
- prints: PLA, ABS (testing with other materials in progress)

#### Software:

- firmware: Modified Open Source Marlin 3D Printer.  
Firmware - user upgradable
- software: Repetier - CuraEngine - Slic3r  
(RepRap compatible)

#### Hardware:

- dimensions: 230 x 150 x 183mm
- frame: sturdy, metal frame
- weight: 2.3kg
- ambient operation temperature: max 25°C
- storage temperature: -10°C to +40°C

#### Electrical:

- communication: SD card
- controller board: AVR ATmega2560 based
- display: 4 x 20 char. blue LCD with white backlight
- AC input: 100-240 V~, 50/60Hz
- LED illuminated logo



**More info on [vertex3dprinter.eu](http://vertex3dprinter.eu)**

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