

VSHAPER 270

A flagship VERASHAPE product, dedicated for industrial prints with PLA, ABS, PMMA, PA, PET-G, HIPS, PVA and PC, characterized by high quality of finish.

The printer features closed chamber ensuring equal temperature distribution, heated build platform guarantees perfect first-layer adhesion and ventilation with carbon filter reducing the emission of harmful gas.

Patented extruder V-Port 2.0 with a dock for 2 heads V-JET 2.0, allowing you to print with 0,2 up to 1,2 mm nozzles. Stable construction ensures failure-free uninterrupted printing in industrial environment.

The users of VSHAPER 270 emphasize the importance of closed printing chamber which ensures equal material shrinkage for the entire object, reducing the risk of delamination and warping of three-dimensional print.



Not everything needs to be machined on an expensive CNC machine. Big savings can be gained by 3D printing components or fixtures.

Gydo Keijzer
CAD/CAM Engineer, KCCPD



> Workspace 270x270x200

> 300°C Printing Temperature

> Heated Table

> Closed Chamber

Technical specification

VSHAPER 270

Printing Parameters

- Printing technology Fused Filament Fabrication
- Workspace 270 x 270 x 200 mm with a Single head
240 x 260 x 200 mm with a Double head
- Resolution 0.05 mm - 0.3 mm
- The accuracy of the position of layers 30 µm
- Positioning accuracy XY 11 µm / Z 2 µm
- Extruder **V-Port 2.0** (dock for two heads **V-JET 2.0**)
- Print temperature Max 300°C
- Nozzle diameter Standard: 0.4 mm nozzle (Optional: 0.2, 0.6, 0.8, 1.0, 1.2)

Working chamber

- Construction Closed (with constant temp. inside)
- Heating Yes (passive heating)
- Ventilation Yes (with carbon filter)

Working platform

- Area Glass surface
- Heating Yes (build platform temperature up to 130°C – ideal material adhesion)
- Auto leveling Yes

Filament

- Filament diameter 1,75 mm
- Filament feeding accuracy 1 µm
- Automatic control of the beginning and the end of filament Yes
- Recommended materials PLA, ABS, PMMA, PA, PC, PET-G, HIPS, PVA

Mechanical and electrical parameters

- Construction Powdered steel
- Housing Powdered aluminium + anodized aluminium
- Z axis Ball screw
- XY axis Linear guides
- Engines NEMA17
- The volume of noise during printing < 40 dB
- Power supply 100-240V ~ 2A, 50-60 Hz

Control

- Processor LPC1769 - ARM® Cortex®-M3 MCU 32 Bit
- Touch panel Yes
- Display Monochrome (128 x 64 px)
- Interfaces USB, SD Card, Ethernet

- Operating system Windows (7/8/10), Mac OSX (10.8/10.9), Linux (Ubuntu 10.04+)

Dimensions and weight

- External dimensions 590 x 462 x 463 mm
- Weight 35 kg