

# 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.*

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> Workspace 270x270x200

> 300°C Printing Temperature

> Heated Table

> Closed Chamber

## Technical specification

## VSHAPER 270

<b>Printing Parameters</b>	
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	• <b>V-Port 2.0</b> (dock for two heads <b>V-JET 2.0</b> )
Print temperature	• Max 300°C
Nozzle diameter	• Standard: 0.4 mm nozzle (Optional: 0.2, 0.6, 0.8, 1.0, 1.2)
<b>Working chamber</b>	
Construction	• Closed (with constant temp. inside)
Heating	• Yes (passive heating)
Ventilation	• Yes (with carbon filter)
<b>Working platform</b>	
Area	• Glass surface
Heating	• Yes (build platform temperature up to 130°C – ideal material adhesion)
Auto leveling	• Yes
<b>Filament</b>	
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
<b>Mechanical and electrical parameters</b>	
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
<b>Control</b>	
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+)
<b>Dimensions and weight</b>	
External dimensions	• 590 x 462 x 463 mm
Weight	• 35 kg