



MTP GOLD MEDAL 2017

# VSHAPER PRO+

Prints created in VSHAPER PRO+, widely popular in medicine, automotive and aerospace industries, are often used as alternatives to elements made of metal.

Monolithic construction, closed chamber and heated working platform provide full control over the process of cooling and welding subsequent paths. Additional emergency power supply guarantees continuous work of 3D Printers in industrial conditions.

3D Prints created with the use of VSHAPER PRO+ are characterized by high endurance during shock loading and when being stretched or bent. They are most commonly used by companies producing gear wheels, ring gears, rotor blades and heavily exploited machine parts.



*When choosing a device, we commissioned PEEK printing to many different producers of 3D Printers. The quality of VSHAPER prints was by far the best.*

**Marek Schnitzer**  
Technical University of Košice



> PEEK Printing

> 420°C Printing Temperature

> Vacuum Table

> Isolated Heated Chamber

## Technical specification

### Printing Parameters

- Printing technology
- Workspace
- Resolution
- The accuracy of the position of layers
- Positioning accuracy

### Extruder

- Maximum print temperature
- Nozzle diameter
- Filament diameter
- Recommended VSHAPER material
- Filament feeding accuracy

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### Working chamber

- Construction
- Heating
- Maximum temperature inside

### Working platform

- Type
- Surface
- Heating
- Maximum temperature
- Auto-leveling

### Mechanical parameters

- Construction
- Housing
- Engines
- Transmission

### Electrical parameters

- The volume of noise during printing
- Power supply

### Control

- Touch panel
- Display
- Interfaces

### Software

- Control software
- Recommended operating system

### Dimensions and weight

- External dimensions
- Weight

## VSHAPER PRO+

- Fused Filament Fabrication
- 250 x 250 x 175 mm
- 0.05 mm - 0.3 mm
- 30 µm
- XY 13 µm / Z 2.5 µm

### VPREC-PRO (single head)

- 420°C
- Standard: 0.4 mm (optional: 0.25, 0.8, 1.0)
- 1,75 mm
- PEEK
- 1 µm

### VPREC-SINGLE (single head)

- 300°C
- Standard: 0.4 mm (optional: 0.25, 0.8, 1.0)
- 1,75 mm
- HIPs, ASA, PET-G, PC-ABS, PA12, ABS, PA+CF, PA+GF, PC, PMMA
- 1 µm

- Closed (isolated, with constant temp. inside)
- Yes
- 70°C

- Vacuum table
- Removable plastic surface
- **S-PRO-HT** for **VPREC-PRO** extruder
- **S-PRO-LT** for **VPREC-SINGLE** extruder

- Yes
- 150°C
- Yes

- Powdered steel
- Powdered aluminium + anodized aluminium
- Stepper motors
- Linear guides

- < 40 dB
- 100-240V ~ 2A, 50-60 Hz

- Yes
- Monochrome (128 x 64 px)
- USB, SD Card, Ethernet

- **SOFTSHAPER**
- Windows 10 - 64-bit

- 592 x 462 x 518 mm
- 37 kg

The above parameters may be altered without notice.