SATURN

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New face of production

SATURN

The device created for the production of large-scale models in incremental technology. The printer is based on industrial solutions, offering a very wide range of possibilities.

Granite working bed with 4-zone heating system

Thermoinsulated, heated chamber

High-performance printing system

Intelligent machine control systems

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Technical specification

PRINTER SPECIFICATIONS	
Printing technology	FFF (FDM)
Working area	X:1200 Y:1000 Z:1000 mm
Housing	Stable, aluminium sheet construction. Light column and safety switch on the outside of the housing. Separate cabinet for the materials.
Printing enviroment	Closed working chamber with temperature control
Max. chamber temperature	45°C
Working bed	Bed autolevelling, platform heating system
Working bed material	Granite
Max. bed temperature	100°C
HEAD	
Nozzle diameter	Main: 1mm, 1.5 mm, 2mm Auxiliary: 0.5mm, 1mm, 1.5mm
Number of heads	2
Number of extruders	3
Extruder type	Direct
Max. head temperature	340°C
PRINTING PROCESS	
Layer height	0.2 – 1 mm
Nominal printing speed	200 mm/s
HQ printing speed	100 mm/s
Maximum passage speed	300 mm/s
Positioning accuracy of the X/Y axes	50 µm
Positioning accuracy of the Z axis	10 µm
Software	Simplify 3D
File extensions supported by software	.stl, .obj

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Technical specification

MATERIAL

Materials	PLA, PET-G, PA, ABS* Support: PVA (*for limited geometry printouts)
Material diameter	2.85 mm
Filament form	Spool
Supported spool weights	3 x 2.5kg/4.0kg/8.0kg

OPERATION

Communication	USB 2.0
File extensions supported by printer	.gcode
Control	HMI with customized interface
Working environment temperature	10 - 30°C

GENERAL DATA

Power	400V/50Hz
Max. power consuption	9000 W
Average power consuption for PLA	1500 W
External dimensions	2600x2200x2500 mm (width x depth x height)
Weight	1500 kg

CONTENT OF THE SET

- 3D Printer
- Maintenance kit
- Simplify 3D software
- 3 x filament spool
- 1 year warranty
- User's manual

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Contact us

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