



S A T U R N



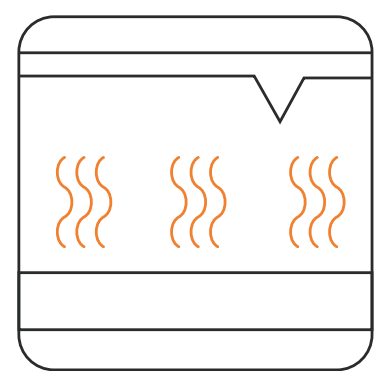
ATMAT

New face of production

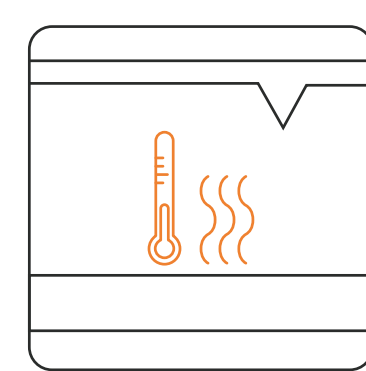


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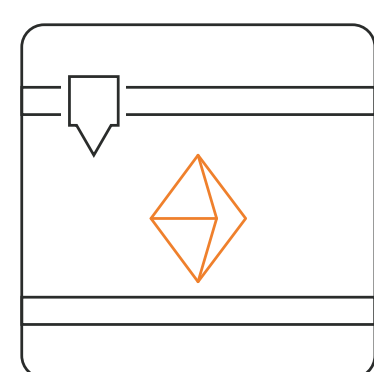
The device created for the production of large-scale models in incremental technology. The printer is based on industrial solutions, offering a very wide range of possibilities.



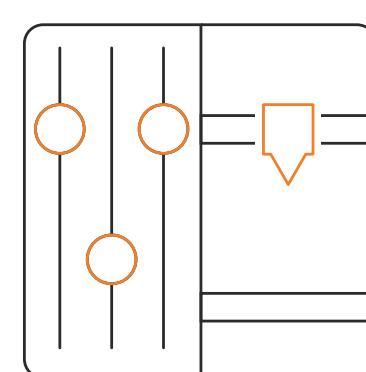
Granite working bed with 4-zone heating system



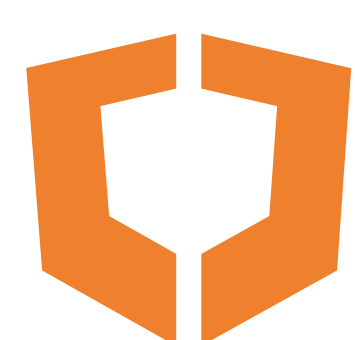
Thermoinsulated, heated chamber



High-performance printing system



Intelligent machine control systems



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Technical specification

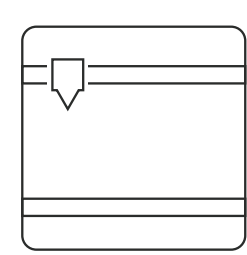
PRINTER SPECIFICATIONS	Printing technology	FFF (FDM)
	Working area	X:1200 Y:1000 Z:1000 mm
	Housing	Stable, aluminium sheet construction. Light column and safety switch on the outside of the housing. Separate cabinet for the materials.
	Printing enviroment	Closed working chamber with temperature control
	Max. chamber temperature	45°C
	Working bed	Bed autolevelling, 4-zone working 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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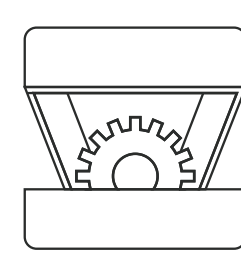
Technical specification

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	2600x2100x2000 mm (width x depth x height)
	Weight	1500 kg

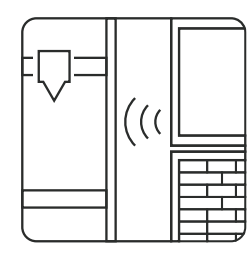
CONTENT OF THE SET



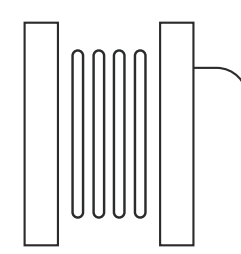
3D Printer



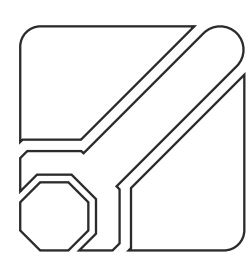
Maintenance kit



Simplify 3D software



3 x filament spool



1 year warranty



User's manual



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