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Unlimited space of opportunities
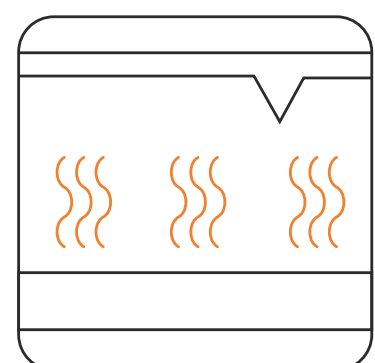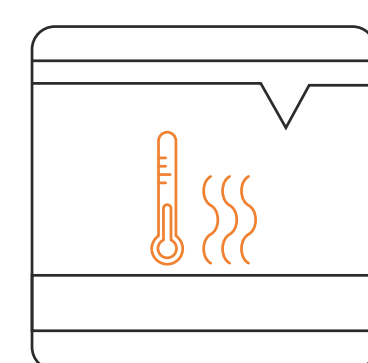

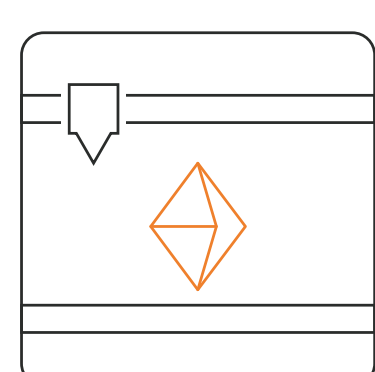ATMAT — CREATE your ideas.

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One of the largest industrial-class 3D printer in the world. Working space allows you to create objects up to 2 meters long. The device is equipped with the latest technological solutions compatible with the industrial standards.
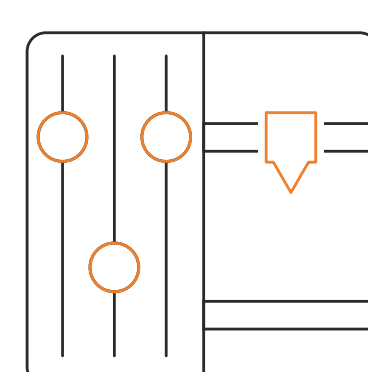
Granite working bed with 4-zone heating system

Thermoinsulated, heated chamber

High-performance printing system

Intelligent machine control systems

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Technical specification

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PRINTER SPECIFICATIONS

Printing technology	FFF (FDM)
Working area	X:2000 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	500 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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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	27000 W
	Average power consuption for PLA	2500 W
	External dimensions	3825x2375x2750 mm (width x depth x height)
	Weight	3000 kg

CONTENT OF THE SET

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