



S A T U R N



**ATMAT**

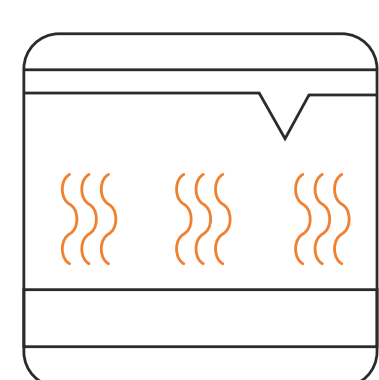


# New face of production

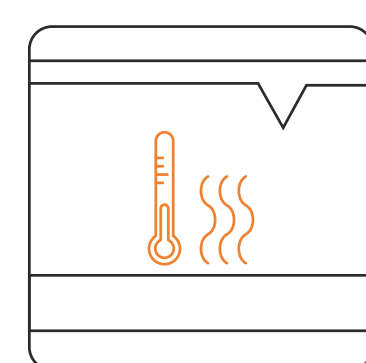


## SATURN

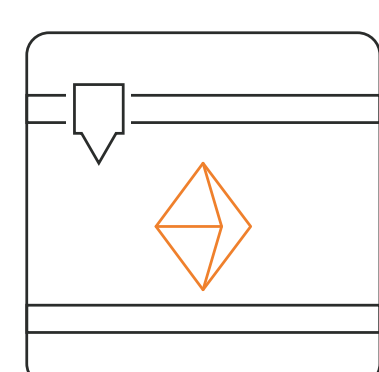
The device created for the production of large-scale models in incremental technology. The printer is based on industrial solutions, offering a very wide range of possibilities.



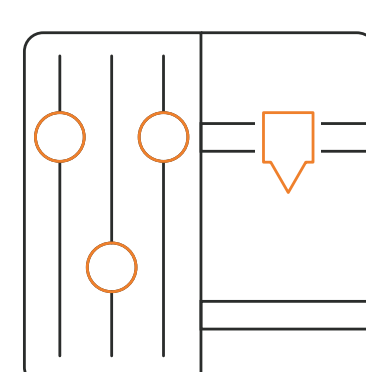
Granite working bed with 4-zone heating system



Thermoinsulated, heated chamber



High-performance printing system



Intelligent machine control systems



# SATURN

## 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 environment	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

# SATURN

## Technical specification

### MATERIAL

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

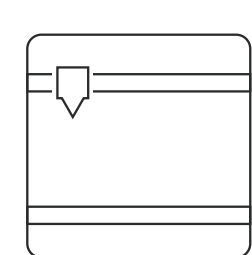
### OPERATION

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

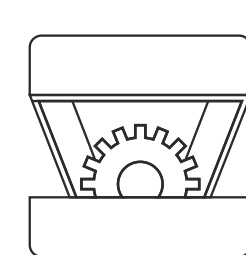
### GENERAL DATA

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

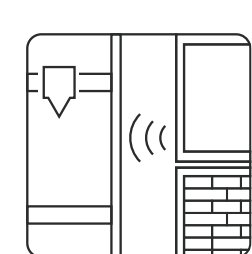
### CONTENT OF THE SET



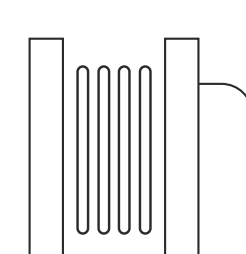
3D Printer



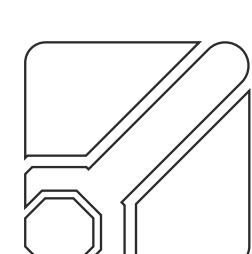
Maintenance kit



Simplify 3D software



3 x filament spool



1 year warranty



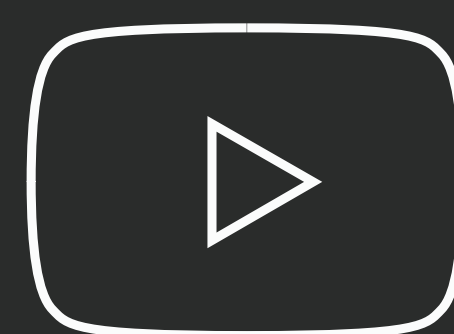
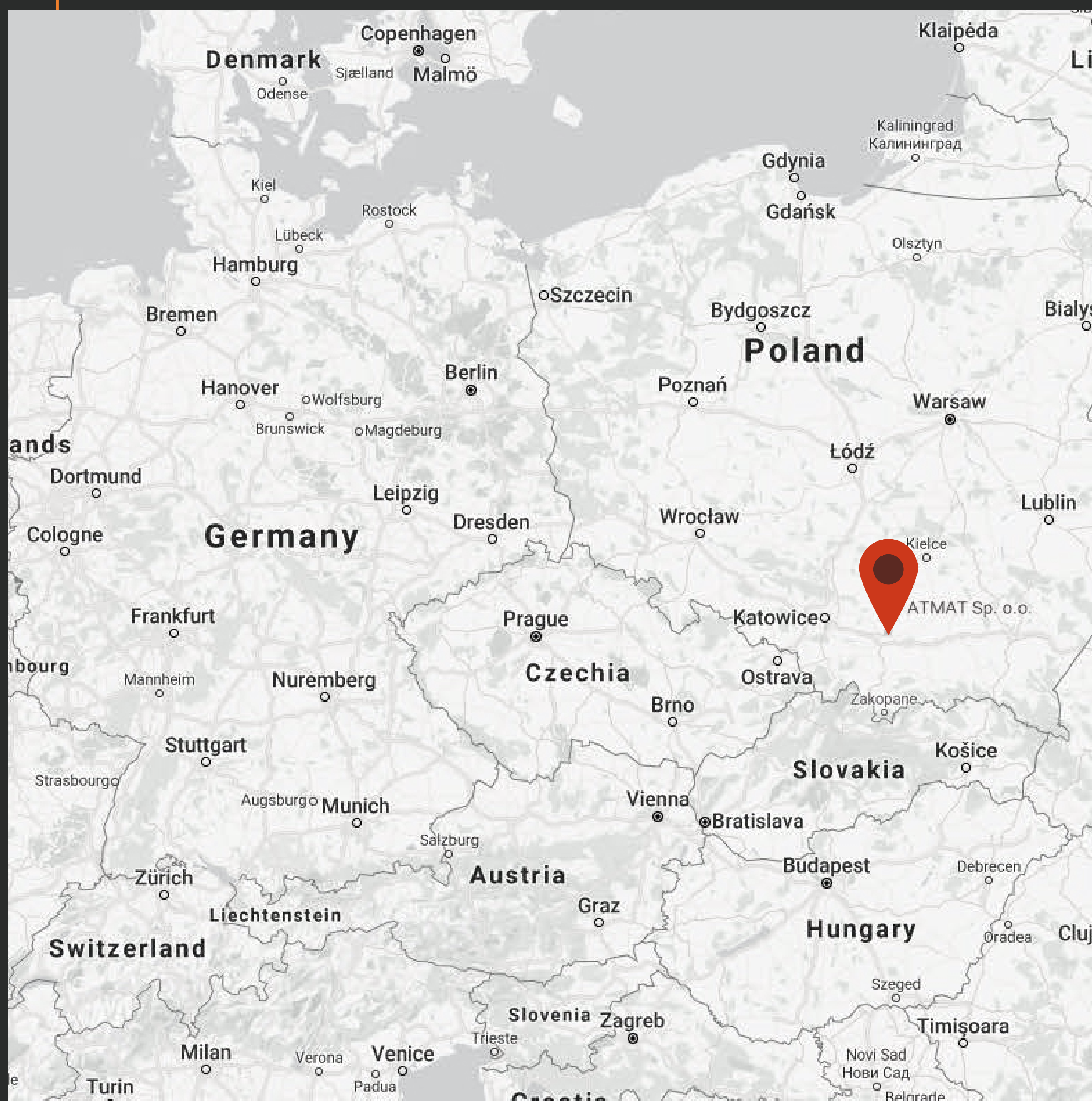
User's manual



# ATMAT

Contact us

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[www.atmat.pl](http://www.atmat.pl)