

DATA SHEET

Strateo^{3D} IDEX420
by eMotion Tech



General features

Size of the machine:	Height: 810 mm Width: 920 mm Depth: 700 mm
Weight:	90kg
Noise level :	54 dB SPL Maximum
Accessibility and openings:	Front door & spools drawer
Safety:	Directive machine 2006/42/CE Enclosure locked by key
Connectivity:	USB, ETHERNET
Control screen:	Touch & capacitive 7", resolution 1024*600 px
Monitoring:	Integrated camera remotely accessible

Capacities

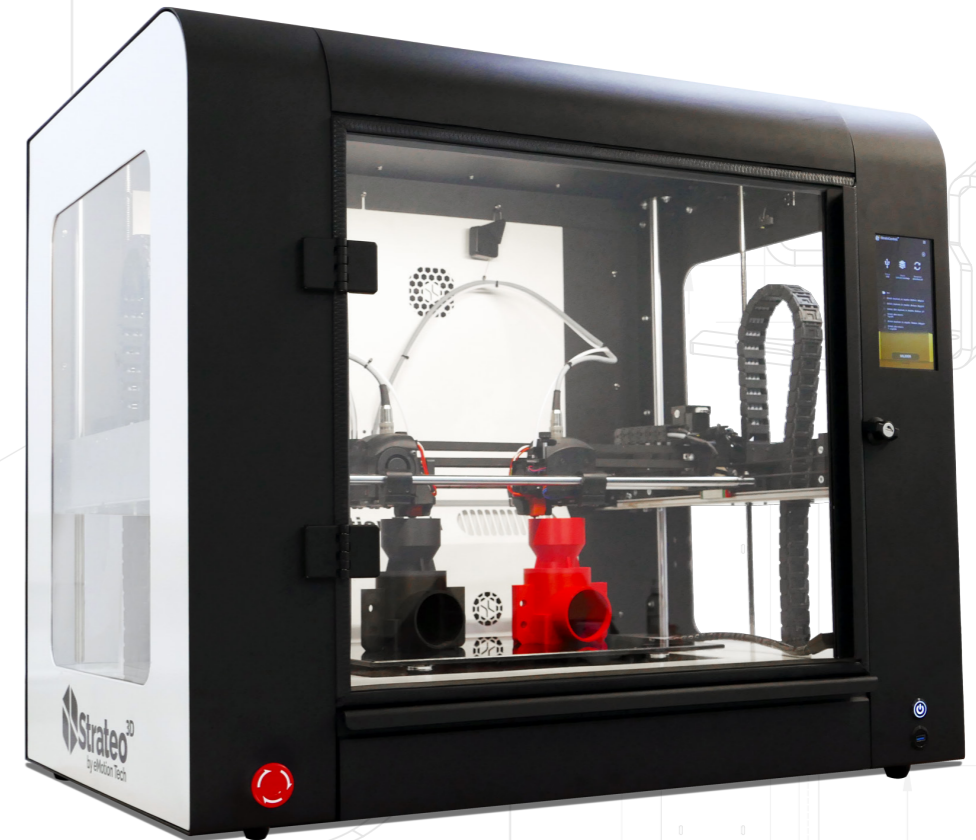
Printing surface dimensions:	Height: 400 mm Width: 420 mm Depth: 320 mm
Printing surface:	Borosilicate glass removable bed (magnetic fastening)
Intelligent tool:	Calibration memory, interchangeable by magnetic fastening
Nozzle diameter (mm) :	0,4 / 0,6 / 0,8
Layer thickness:	From 0,1 mm to 0,6 mm (depending on the used nozzles)
Robot accuracy:	XY axis: 5µm Z axis: 1,25µm
Calibration:	Automatic, assisted
Extrusion:	2 independant extruders, bi-material / bi-colour
Temperatures:	-Extrusion: up to 300°C -Heat bed: up to 120 °C: -Active room heating: up to 60°C
Characterised polymers to date:	PLA, ABS, PETG, PC, PC-ABS (ul94-V0), ASA-X, TPU, BVOH, PVA, HIPS, PA6-66, ACETATE
Filtration:	Standard HEPA filtration & active carbon or industrial filtration system (optional)

Software and interfaces

Software:	Stratocontrol3D developed by eMotion Tech accessible on any device with a web browser + Cura slicer
Supported OS:	Mac OS, Windows, Linux, Android, IOS and any OS with a web browser

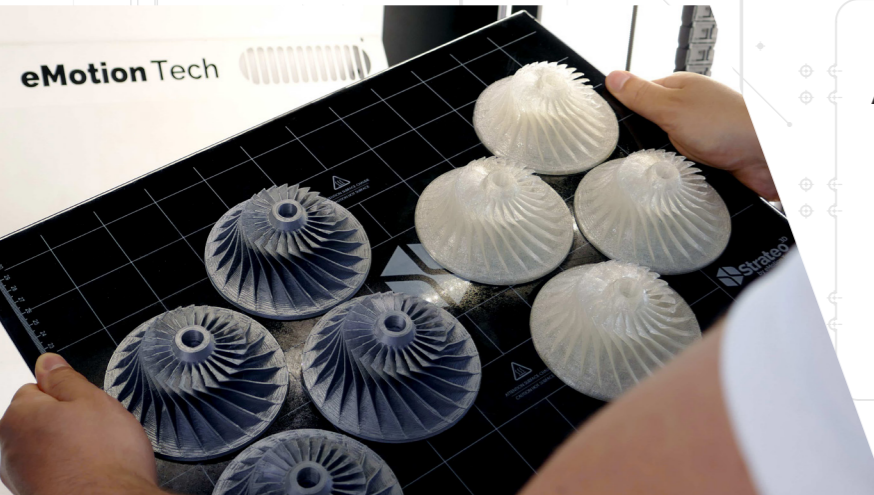
The professional 3D printer optimised for production!

From 6990€ exc. VAT



- ✓ **Production rate increased by a factor of 2**
Two independant extrusion tools to print twice as many parts in the same amount of time.
- ✓ **A substantial volume of work**
A 420 mm x 320 mm x 400 mm printing surface
- ✓ **Active room heating up to 60°C**
To ensure the printing of technical materials

APPLICATIONS

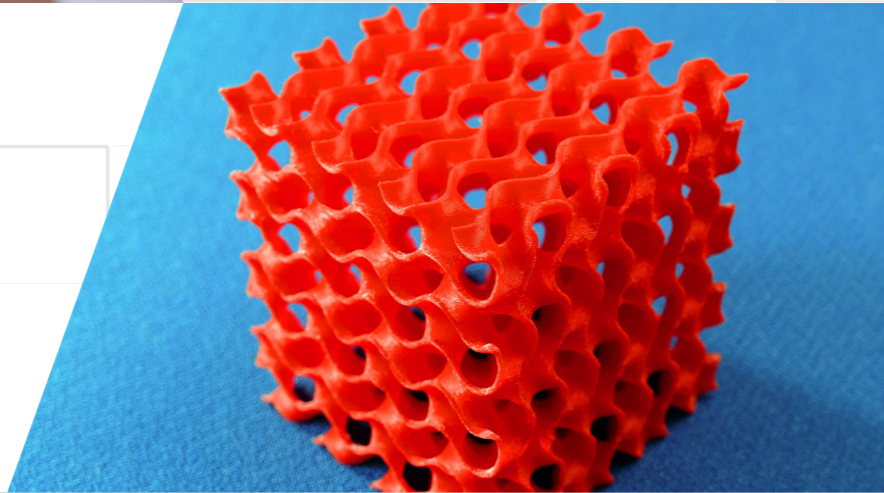


A production rate increased by a factor of 2

For mass production requirements, Strateo3D IDEX420 is equipped with two independent extrusion tools that can run simultaneously, doubling the print rates. Its 420 x 320 mm removable bed allows for uninterrupted production.

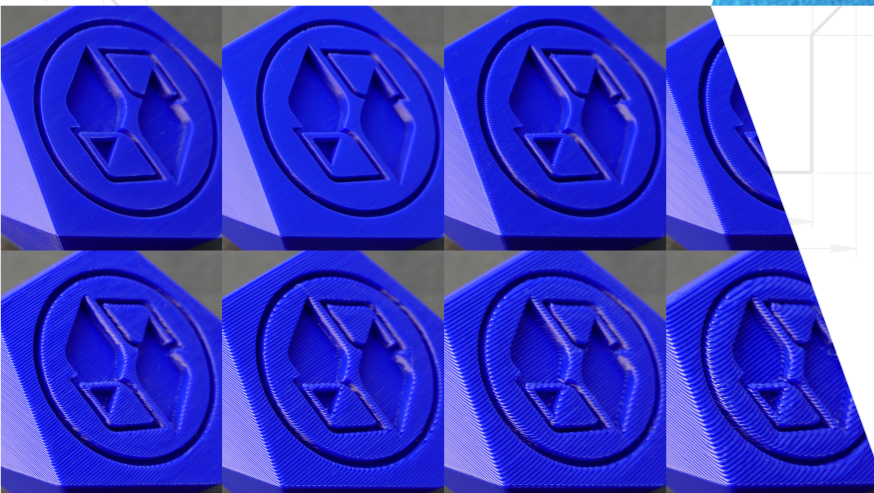
Two tools for a one and only part

For your complex parts, the management of each material being separate, there is no risk of contamination or mixing of one material with the other. Strateo3D IDEX420 allows a clean and precise double extrusion.



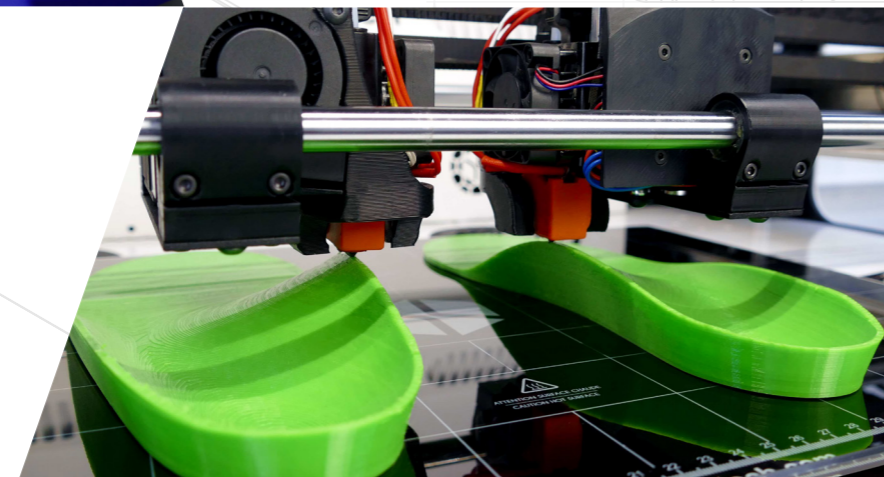
Variable layer thicknesses

Strateo3D IDEX420 can print parts with layer thickness between 0.1 to 0.6 mm. Chose between precision and speed according to your needs.



Specific printing needs

The two independent extrusion tools can also print simultaneously mirrored parts.

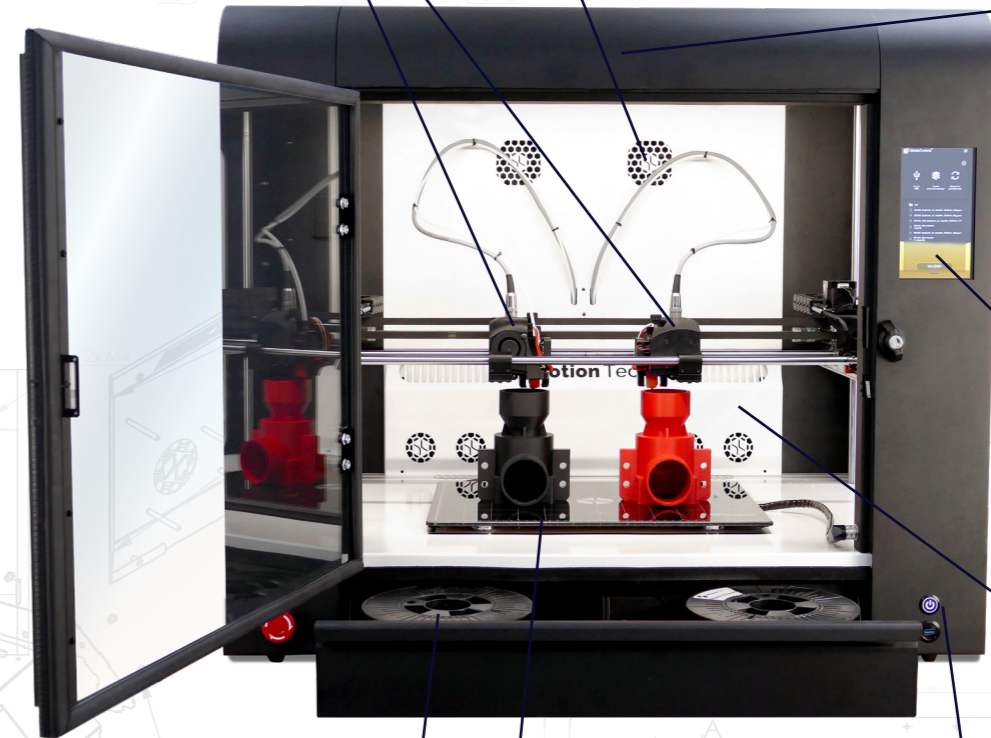


KEY POINTS

Two independent intelligent and removable extrusion tools

Microparticles filtration device

Camera, remote monitoring via Stratocontrol3D interface



Control touch screen equipped with Stratocontrol3D interface

Active room heating up to 60°C

Spools drawer up to 2 material spools of 1kg each & end of filament detection

Removable bed 420x320x400 mm

Resuming of a print job in case of untimely stop

EQUIPMENTS & OPTIONAL SERVICES

- ✓ Industrial filtration system removing up to 99,997 % of 0,3 microns microparticles
- ✓ Training in the use of Strateo3D IDEX420
- ✓ Extended warranty
- ✓ Annual maintenance package