

TECHNICAL DESCRIPTION



DUAL600

General characteristics

Dimensions of the machine :	Height: 850 mm Width: 950 mm Depth: 720mm
Weight :	100kg
Level of sound :	54 dB SPL Maximum
Accessibility and openings :	Front door and upper hood
Security :	Machinery directive 2006/42/CE Enclosure locked with a key
Connectivity :	USB, ETHERNET
Monitor (control panel) :	Touchscreen and 7" capacity, 1024*600 resolution
Computational power :	Built-in Intel core i5 processor
Supervision :	Built-in camera, remotely accessible

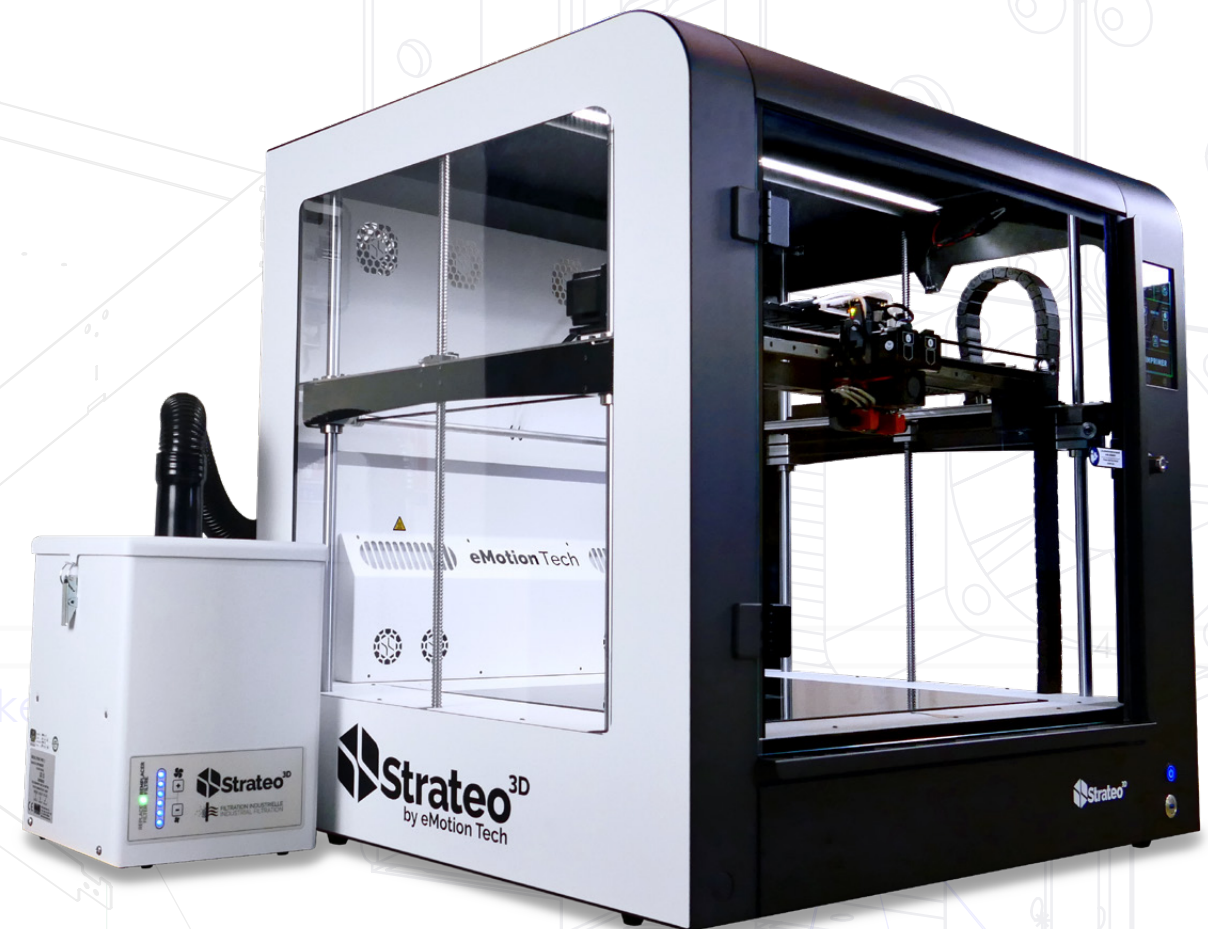
Capacities

Dimensions of the printing surface :	Height: 500 mm Width: 600 mm Depth: 420 mm
Printing surface :	Borosilicate glass and/or 3D bedfix coating
Smart tool :	Interchangeable thanks to a magnetic binding, memorisation of the calibrations
Diameter of the nozzles (mm) :	0,4 / 0,6 / 0,8 / 1,0 / 1,2
Layer thickness :	From 0.1mm to 1mm (depending of the nozzles used)
Precision of the robot :	XY axis: $\pm 5\mu\text{m}$ Z axis: $\pm 3\mu\text{m}$
Calibration :	Semi-automatic, power assisted
Extrusion :	2 independent extruders, bi-material, duotone
Temperatures:	-Extrusion : up to 400°C (high temperatures tool, optional) up to 300°C (standard tool) -Heat bead : up to 140 °C: -Enclosure actively heating : up to 70°C
Characterized materials to this day :	PLA, ABS, PETG, PC, PC-ABS (ul94-V0), PEKK (ul94-V0), ASA-X, TPU, BVOH, PVA, HIPS, PA6-66, ACETATE
Filtration:	HEPA and standard carbon active or industrial filtration unit (optional)

Softwares and interfaces

Software :	Stratocontrol 3D developed by eMotion Tech and accessible on any device equipped with a web browser + slicing application Cura
Supported OS :	Mac OS, Windows, Linux, Android, IOS and any system with a browser

Additive manufacturing «**Made in France**»

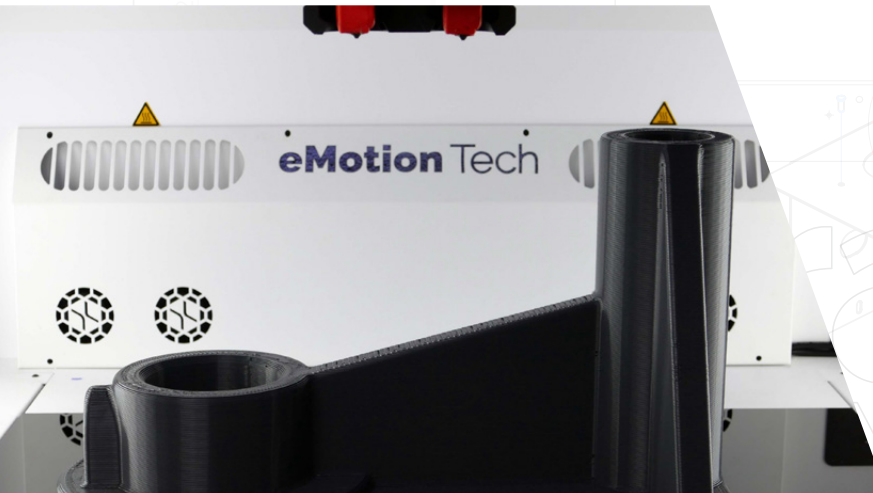


✓ **Very large printing volume**
600 x 420 x 500 mm

✓ **Double extrusion tool up to 400°C**
connected and interchangeable

✓ **Active heating up to 60°C**
Enabling the printing of technical materials

PRACTICAL APPLICATIONS

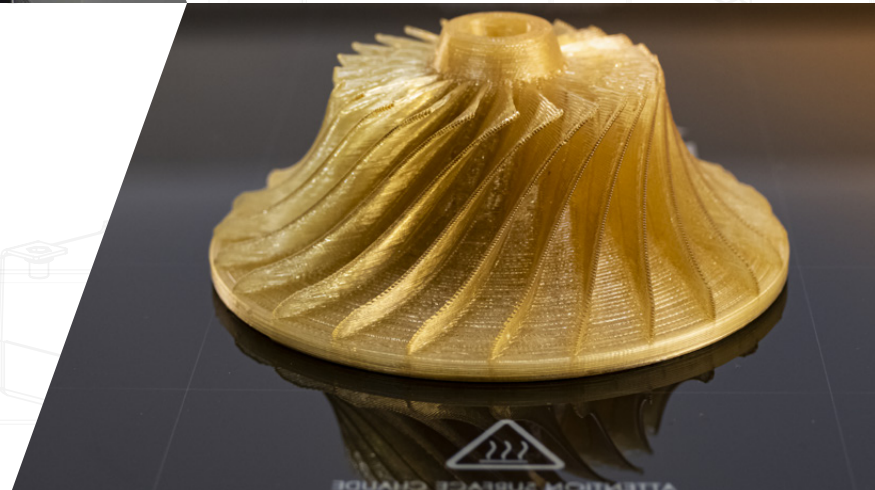


Big scale projects

Thanks to its large volume of 126L and its large printing surface (600 x 420 mm), the Strateo 3D enables you to make very large pieces.

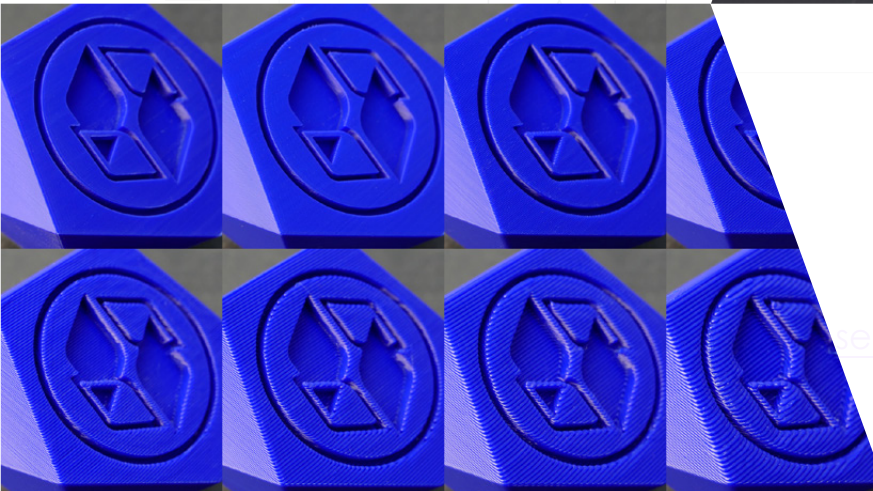
From classical to technical materials

Strateo 3D enables the use of the entirety of the polymers whose temperature of extrusion is between 189 and 400°C.



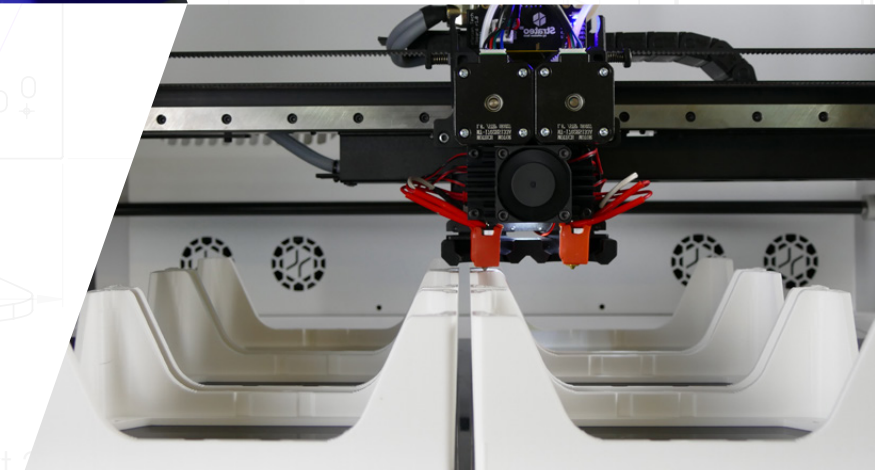
Variable layer thickness

Strateo 3D enables the printing of pieces with a layer thickness between 0.1 and 1mm. Choose between precision and a fast production according to your needs.

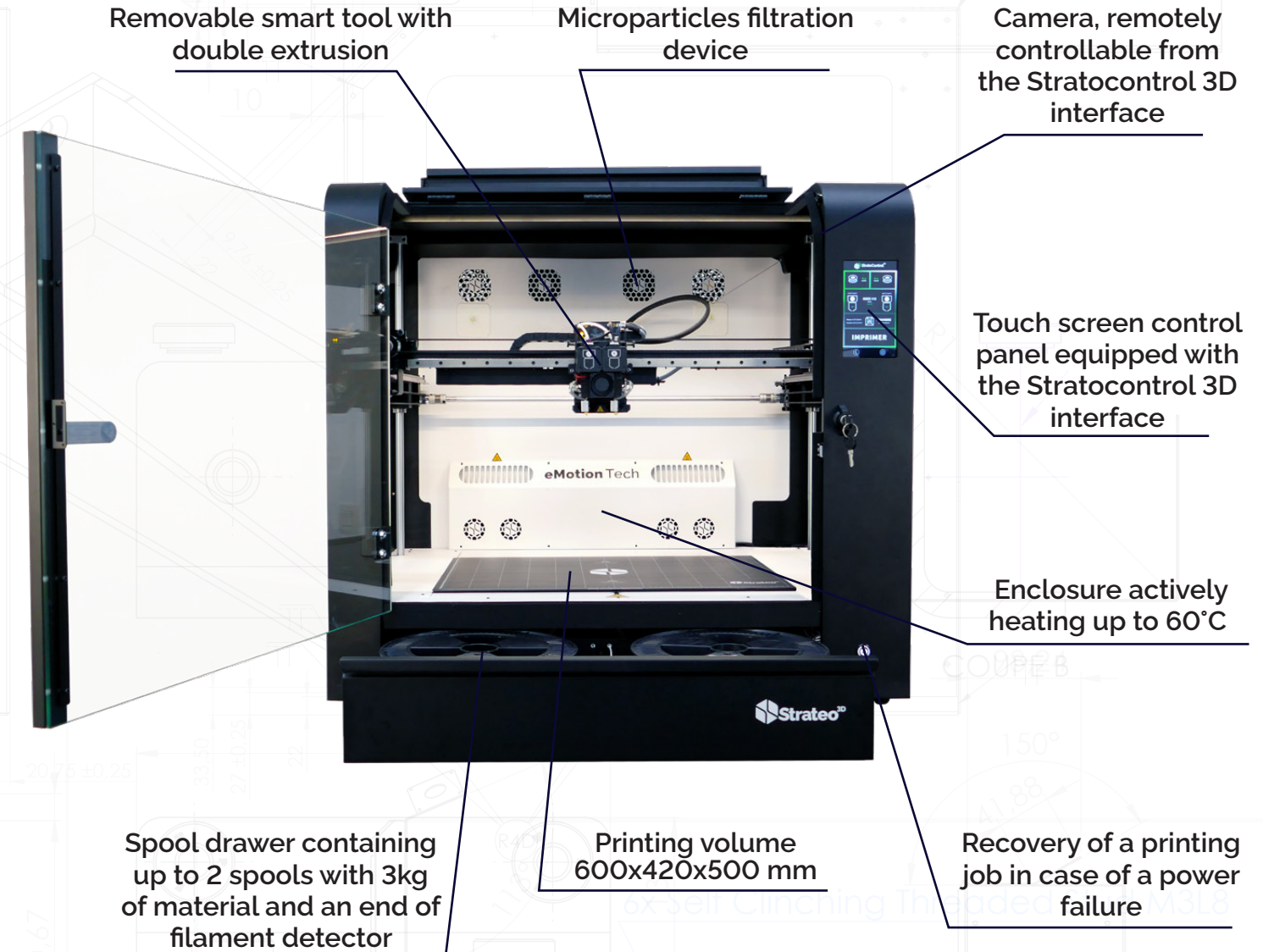


From a prototype to production

Industrial production tool enabling the making of serial pieces simultaneously during the same printing job.



KEY POINTS



OPTIONAL EQUIPMENTS

- ✓ Industrial filtration system purging 99,997 % of the 0.3 microns microparticles
- ✓ High temperatures double extrusion tool enabling the printing of technical polymers up to 400°C
- ✓ The Strateo3D DUAL600 also exists in a machinery directive 2006/42/CE version that is compulsory to be integrated in a workshop

OPTIONAL SERVICES

- ✓ Training courses to learn how to use the Strateo 3D
- ✓ Extended warranty
- ✓ Maintenance package