

A stack of white 3D printed parts, possibly a mold or a large container, is shown next to a black 3D printed part. The background is dark, and the lighting highlights the texture and edges of the printed parts.

MELTIO

ADVANCED 4D MANUFACTURING

MELTIO F1000

Large format industrial FFF 3D printer

[MELTIO4D.COM](https://meltio4d.com)

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Big size and high productivity. Meltio F1000 features a build envelope of 1000x600x600 mm and interchangeable nozzles from 0.3 to 1.2 mm for producing large plastic parts with the size and the quality you need. The size of your desired parts will never be a problem again.



Single or dual extrusion

Meltio F1000 can be purchased in two versions: Single extrusion (F1000S model) and dual extrusion (F1000D), for those customers who require combining two build materials or producing parts with water soluble supports.

Materials

The printer can easily manufacture parts with most common standard materials from 3rd party manufacturers: ABS, ABS FP, ABS Medical, PC, Nylon and CFR Nylon. Meltio F1000D can also work with support materials (PVA) for building complex geometries.

Smart software

Improve your efficiency with Meltio's smart 3D printing software, which will automatically correct files and verify the printing configuration, in order to reduce time and production cost. The software automatically verifies and repair the STL file, if it detects flaws. Besides, it verifies the configuration of the G-Code file and its compatibility with the printer, by checking parameters. The included software also has features functions for manual repair of 3D models, import and export to more than 12 file formats and object splitting for print preparations.



Technical features

Printing technology	FFF
Printing volume	600 x 1000 x 600 mm
Minimum layer height	0.1 mm
Weight	400 kg
Dimensions	1500 x 1210 x 1730 mm
Nozzle diameters	Commodity and High Temp Extruders: 0.4, 0.6, 0.8 mm High Production Extruder: 0.6, 0.8, 1, 1.2 mm
Filament diameter	1.75 mm
Environment	Closed chamber with temperature and humidity control
X/Y Precision	15 microns
Z Precision	15 microns

Max. extruder temperature	500°C
Max. plate temperature	70°C
Max. cabin temperature	55°C

	F1000S	F1000D
Printheads	1	2
Extrusion system	Tilting Extruder (up to 245°C) / High Temp Extruder (up to 500°C)	Dual extruder with 2 tilting extruders (up to 245°C) and two high temp extruders (up to 500°C)
Build materials	PLA, PLA3D850, ABS, ABS FP, ABS Medical, PC, Nylon, CFR Nylon	
Support materials	PVA	