



INDUSTRY F1000

Large Format High-Performance 3D Printer
for True Engineering & Composite Parts



NOZZLE INNOVATION:
PRINT 30% FASTER

**ACTIVELY HEATED
CHAMBER**

**PRINT LARGE
COMPOSITE PARTS**

**PROCESS MONITORING
& TRACEABILITY**

INDUSTRY F1000

SPECIFICATION SHEET

Date / Revised: 13.02.2024

Version No.: 2.1

PRINTING	Print technology:	FFF
	Build volume:	1000 x 600 x 800 mm (480 000 cm ³)
	Min. layer height:	50 µm
	Number of printheads:	3
	Nozzle diameter:	According to the 3DGence Slicer profiles
	Filament diameter:	1.75 mm
	Printhead temperature (max.):	300°C (on basic version)
	Buildplate temperature (max.):	110°C
	Chamber temperature (max.):	85°C
Achievable part accuracy:	Parts are printed with an accuracy of 0.125 mm or 0.0014 mm/mm, whichever is greater. Accuracy in Z-axis includes an additional tolerance of 0.000/+ layer height.	
SPEED	Idle movement speed (max.):	1000 mm/s
	Print speed for working movements (max.):	up to 400 mm/s
DIMENSIONS AND MASS	External dimensions (WxDxH):	1800 x 1350 x 2000 mm
	Mass:	650 kg
CONSTRUCTION	Construction:	Freestanding, fitted with castor wheels for easy handling
	Extruders:	3 modules with direct drive extruders and flow diagnostic
	Heatbed surface:	Vacuums on polymer or polymer-steel pads
ENVIRONMENT	Working temperature:	18 - 30°C relative humidity 30% to 70% non-condensing
	Storage temperature:	-20 - 54°C relative humidity 10% to 85% non-condensing
POWER	Power requirements (EU):	230V 3ph with 32A IEC 60309 plug (recommended), or 230V 1ph 25A direct connection
	Max power draw:	5,7 kW
	Average power draw:	3 kW
	Communication:	ethernet, Wi-Fi, USB drive
SOFTWARE	Slicing software:	3DGence SLICER 4.0
	Cloud based services:	3DGence CONNECT
SAFETY	Advanced Filtration Unit:	yes, optional
	Sensors:	main chamber door, top access hatch, thermal sensors, emergency switch
	UPS:	yes, optional
	Others:	software access overdrive - remote shut down
WHAT IS INCLUDED?	3DGence INDUSTRY F1000 3D printer Set of accessories (Wi-Fi module incl.) Signal tower Emergency stop circuit	
WHAT IS THE ADDITIONAL EQUIPMENT?	UPS - emergency power supply Advanced filtration unit ULT LAS 4	