3DGENCE

ADDITIVE X

INDUSTRY F421

3 YEAR WARRANTY

SPECIFICATION

PRINTING

Print technology:	FFF
Build volume:	380 × 380 × 420 mm (60 648 cm^3)
Min. layer height:	50 µm
Number of printheads:	2, purging system
Nozzle diameter:	0.5/0.5 mm or 0.4/0.4mm
Filament diameter:	1.75 mm
Printhead temperature:	500°C
Buildplate temperature:	180°C
Chamber temperature:	180°C (active heating)
Filament chamber temperature:	50°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

Travel move:	1000 mm/s
Printing speed:	up to 400 mm/s

DIMENSIONS AND MASS

External dimensions:	1900 × 940 × 900 mm
Mass:	365 kg

CONSTRUCTION

Chassis:	steel
External:	steel and vacuformed ABS, chamber lined with satin stainless steel
Build surface:	borosilicate glass / vacuum sealed plastic sheets

ENVIRONMENT

Working temperature:	18-30°C
Storage temperature:	-20-54°C

POWER

Power requirements:	- 230V 1ph with 32A (3n+p+e) IEC 60309 plug (recommended) - 230V 1ph 20A direct connection
Max power draw:	4600 W
Average power draw:	1500 W
Communication:	ethernet, Wi-Fi, USB drive

SOFTWARE

Slicing software:	3DGence SLICER 4.0
Cloud based services:	3DGence CLOUD

SAFETY

Advanced Filtration Unit:	yes, optional
Sensors:	main chamber door, top access hatch, thermal sensors, emergency switch
UPS device:	yes, optional
Others:	software access overdrive - remote shut down

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Flexibility and performance

Job-specific printing modules and developed printing profiles

MODULES

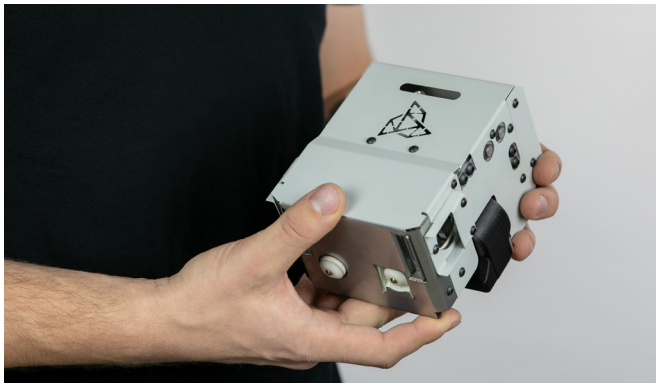
M280

TEMPERATURE:
up to 280°C

NOZZLE DIAMETER:
0,5 mm/0,5 mm

MODEL MATERIAL:
PLA, ABS, ABS-ESD, ASA, PA6, PA-CF

SUPPORT MATERIAL:
ESM-10, HIPS



M360

TEMPERATURE:
up to 360°C

NOZZLE DIAMETER:
0,4 mm/0,4 mm

MODEL MATERIAL:
LEXAN, PC, PC-ABS, PEKK-CF, ULTEM 9085

SUPPORT MATERIAL:
ESM-10

M500

TEMPERATURE:
up to 500°C

NOZZLE DIAMETER:
0,4 mm/0,4 mm

MODEL MATERIAL:
PEEK, PEKK, VICTREX AM™ 200

SUPPORT MATERIAL:
ESM-10