INDUSTRY **F421**

High-performance 3D printer
for demanding industrial applications

3DGENCE CONTINUOUS RAPID PRODUCTION
YEAR WARRANTY 3

HIGH PRINT SPEED
up to 400 mm/s

FULLY ENCLOSED HEATED CHAMBER
Optimum conditions for 3D printing

LARGE BUILD VOLUME
380 × 380 × 420 mm
(15 x 15 x 16.5 in)

HIGH-PERFORMANCE MATERIALS
ULTEM™ 9085, PEEK, PEKK, CF materials, composite materials and speciality materials, VICTREX AM™ 200, advanced support materials

www.3dgence.com

The powerful and full-fledged rapid production system for:

PRODUCTION

FAST | SAFE | RELIABLE | COST-EFFECTIVE

Produce durable end-use parts faster and more cost-effectively than before with advanced materials that can replace worn components.

Batch printing with a large build volume.

Cost control by high print speed and minimal downtime.

Maximum material performance ensured by optimal processing conditions and engineered software.

PROTOTYPING

VERSATILE | ACCURATE | CONNECTED | SPACIOUS

Accelerate your product development and shorten the cycle to market by replacing conventional prototyping processes with 3D printing. The use of a 3D printer allows for a significantly reduced design-to-prototype time frame.

Print higher performance durable parts from the highest performance materials.

Complex geometries and higher resolution with the use of advanced supports and post-processing technologies.

Controlled environment in the fully enclosed heated chamber.

Widest range of materials with interchangeable modules.

Flexibility and performance

Job-specific printing modules and developed printing profiles

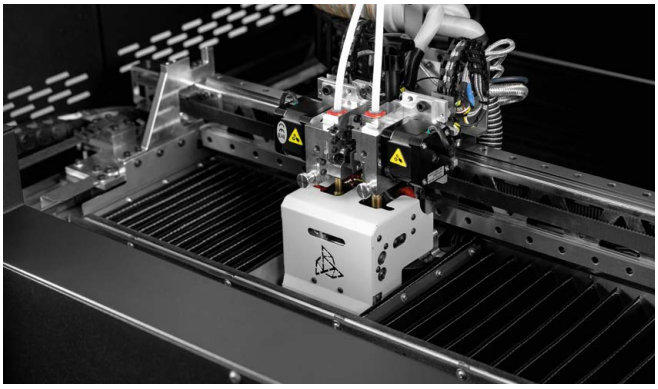
M280

TEMPERATURE:
up to 280°C (536°F)

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

MODEL MATERIAL:
ABS, ABS Carbon, Addigy F1030 CF-10, ASA, PA6 Neat, PET, PLA, PP

SUPPORT MATERIAL:
ESM-10, HIPS



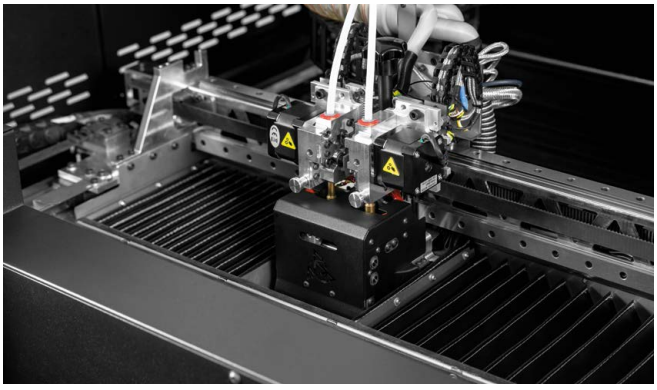
M360

TEMPERATURE:
up to 360°C (680°F)

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

MODEL MATERIAL:
ezPC-CF, LEXAN™ EXL AMHI240F, PC, PC-ABS, PC-CF, PC-ESD, PEKK Carbon, ULTEM™ 9085

SUPPORT MATERIAL:
ESM-10, ESM-30



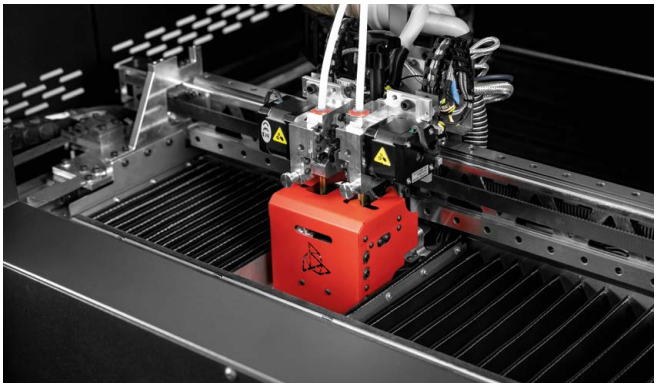
M500+

TEMPERATURE:
ip to 500°C (932°F)

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

MODEL MATERIAL:
PEEK, PEEK AERO, PEEK-CF, PEKK-A, VictrexAM™200

SUPPORT MATERIAL:
ESM-10, ESM-30



SPECIFICATION

Build volume
380 × 380 × 420 mm (60 648 cm^3)
(15 x 15 x 16.5 in)

Printing system
Dual extruder equipped with purging station

Filament diameter
1.75 mm

Model materials
ABS, ABS Carbon, Addigy F1030 CF-10, ASA, ezPC-CF, LEXAN™ EXL AMHI240F, PA6 Neat, PC, PC-ABS, PC-CF, PC-ESD, PEEK, PEEK AERO, PEEK-CF, PEKK Carbon, PEKK-A, PET, PLA, PP, ULTEM™ 9085, Victrex AM™200 FIL

Support materials
Breakaway support material, soluble support material ESM-10 and ESM-30*
*For ESM-10 and ESM-30 removal you need solvent and Support Dissolving System

Material chamber
4 bays with automatic spool change

Nozzle temperature (max.)
500°C (932°F)

Buildplate temperature (max.)
190°C (374°F)

Chamber temperature (max.)
195°C (383°F) (active heating)

Filament chamber temperature (max.)
50°C (122°F)

Software
3DGence SLICER 4.0, 3DGence CLOUD
– find out more about the new functionalities

Additional accessories
Advanced filtration unit,
UPS – emergency power supply, signal tower