

INDUSTRY F421

High-performance 3D printer
for demanding industrial applications



HIGH PRINT SPEED

up to 400 mm/s

POWERFUL HEATED CHAMBER

Optimum conditions for 3D printing

LARGE BUILD VOLUME

380 × 380 × 420 mm

HIGH-PERFORMANCE MATERIALS

ULTEM 9085, PEEK, PEKK,
CF materials, VICTREX AM™ 200,
soluble supports

Flexibility and performance

F421

Job-specific printing
modules and developed
printing profiles

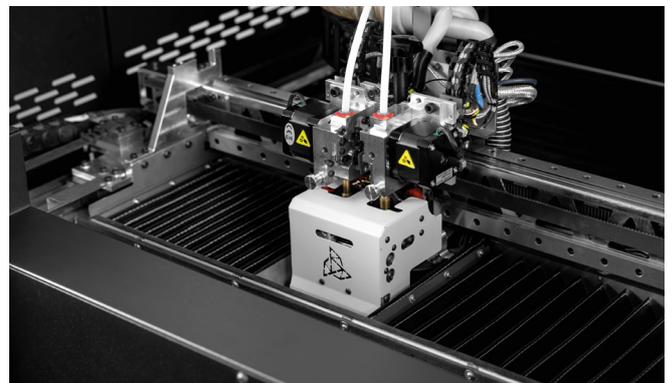
M280

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, PC-CF,
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, PEEK AERO,
VICTREX AM™ 200

SUPPORT MATERIAL:
ESM-10



E421

The powerful and full-fledged manufacturing system for:

PRODUCTION

FAST | SAFE | RELIABLE | COST-EFFECTIVE

Produce parts cheaper and faster than before with the materials you know. Easily produce end parts or spare parts that can replace worn details.

Durable and accurate end parts manufacturing.

Cost-cutting ensured by high print speed and short downtime.

Batch printing with a large build volume.



PROTOTYPING

VERSATILE | ACCURATE | CONNECTED | SPACIOUS

Accelerate your product development and shorten the road to the market by replacing your traditional prototyping process with 3D printing. The use of a 3D printer in the company allows to significantly reduce the prototyping time.

Head start on the competition with high-performance materials.

Complex prototypes with the use of soluble supports and large build volume.

Controlled environment in a high-temperature chamber.



F421

SPECIFICATION

Build volume

380 × 380 × 420 mm (60 648 cm³)

Printing system

Dual extruder equipped with purging station

Filament diameter

1.75 mm

Model materials

PLA, ABS, ABS-ESD, ASA, PA6, PA-CF, LEXAN, PC, PC-ABS, PC-CF, PEKK-CF, ULTEM 9085, PEEK, PEKK, PEEK AERO. VICTREX AM™ 200

Support materials

Breakaway support material, soluble support material ESM-10 – for removing the ESM-10 you need solvent and Support Dissolving System

Material chamber

4 bays with automatic spool change

Nozzle temperature (max.)

500°C

Buildplate temperature (max.)

180°C

Chamber temperature (max.)

195°C (active heating)

Filament chamber temperature (max.)

50°C

Software

3DGence SLICER 4.0, 3DGence CLOUD

Additional accessories

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

