

Software

SLICER 4.0

Industrial 3D model slicing software dedicated to 3DGence printers to prepare your files seamlessly for 3D printing.



Engineered Profiles

Wide choice of accurate and fine-tuned material profiles with continuous, automatic updates. Custom profile options are available and user-friendly.

Large Model Split Options

SLICER 4.0 provides the capability to split large models that exceed the build area. Two methods are available for splitting models: simple and advanced, where the tongues and grooves are precisely created on the parts. This feature enables seamless merging of the parts post-printing. The advanced splitting option is unique and available only in SLICER 4.0.

Print Profile Modification Options

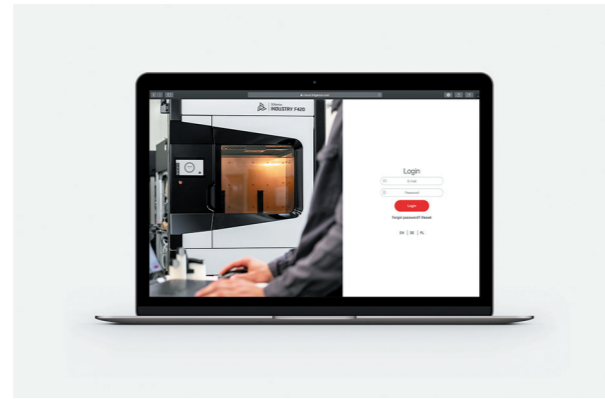
For intermediate users, there are available options to modify the print profiles. Adjustments of parameters can be made after choosing the material and profile.

Online Options

3D printing via the local web or the Internet is available while using the INDUSTRY F421, INDUSTRY F350 and 3DGence CLOUD. The web printing will be possible only using the proprietary .3dg file format, prepared by 3DGence SLICER 4.0.

CLOUD

Dedicated cloud-based functionality for industrial printers developed to meet Industry 4.0 requirements.



Remote Access and Control

The user can start, cancel or queue the prints. The user has full control of the printing process and job order, even on multiple printers, as well as real-time monitoring of the machine and print status.

Detailed Data

The software is able to aggregate and provide machine and material usage statistics. All user data transferred via CLOUD are secure thanks to asymmetric encryption.

User Access Permissions

The access for the particular options in the CLOUD can be restricted to predefined user groups. The administrator can differentiate the user groups in order to follow company security and permission protocols.

Service Access Module

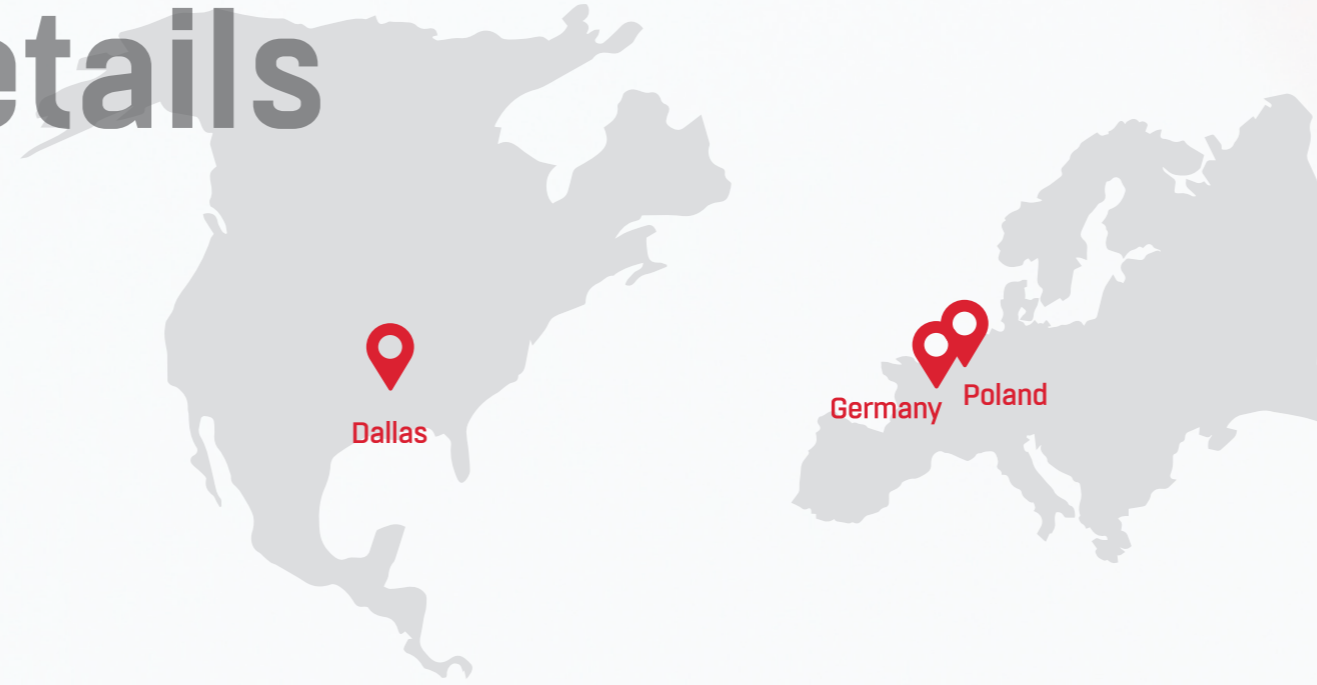
3DGence support team may use the CLOUD software to access, diagnose and provide help remotely, in real-time.

Live Camera Feed

Get a remote preview feed of what is being, or has been printed, without the need of being near the printer.



Contact details



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SALES DEPARTMENT

Our Product Sales and Application Engineer Teams are ready to answer your questions and support you through your evaluation and selection process.

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SUPPORT DEPARTMENT

On-hand and ready to support with any technical or service related requests.

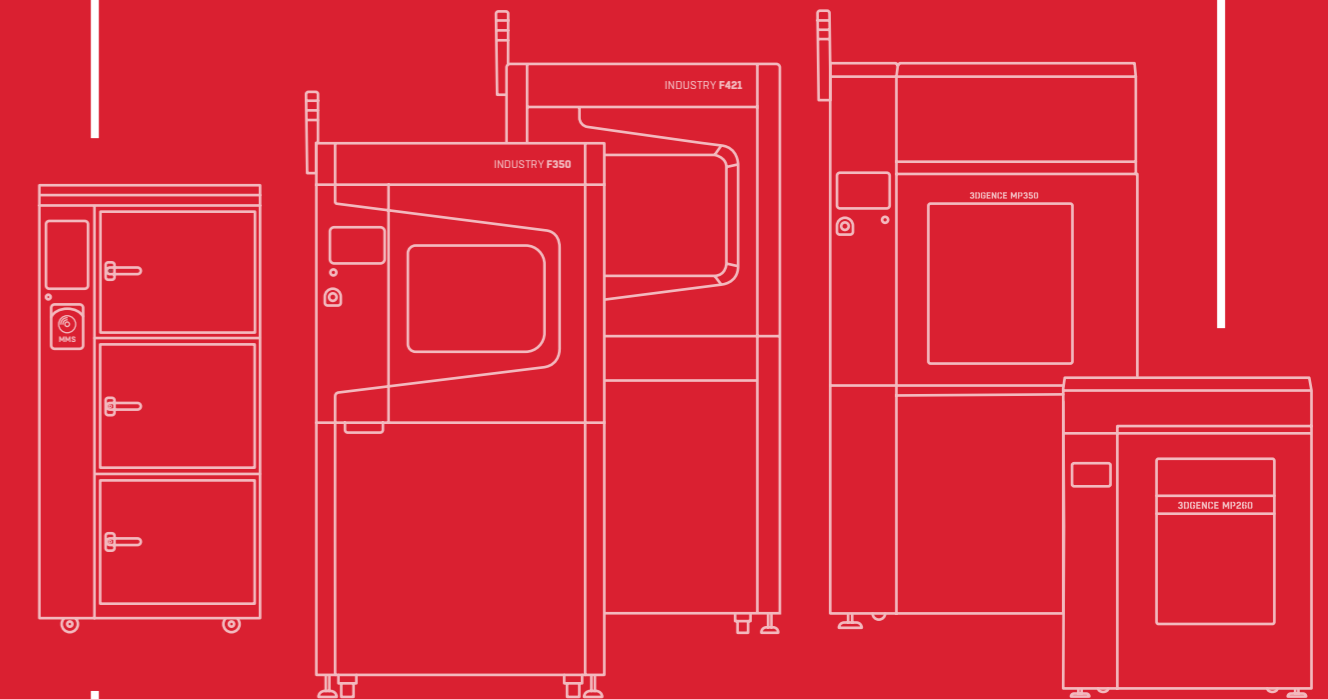
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3DGENCE

CONNECT

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3DGENCE MP350



ACCURACY | REPEATABILITY | DESIGN FREEDOM

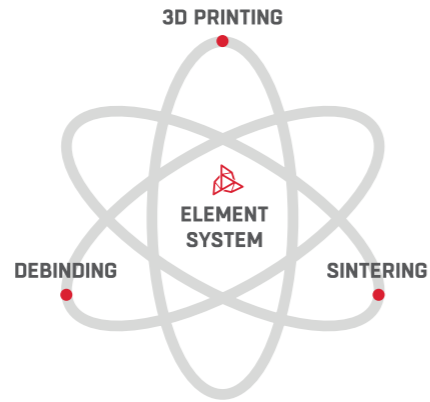
Enhanced productivity and absolute freedom to design in metal and ceramic

The 3DGence ELEMENT MP350 printer features a spacious, temperature-controlled build chamber of 350 x 350 x 340 mm and an advanced safety system.

The highest print accuracy, repeatability, and speed are being ensured by a robust kinematic system enabled by high-power servo motors.

A powerful dual-printhead extrusion system gives the freedom to design and manufacture metal and ceramic parts with dedicated support material, which is necessary to successfully sinter even the most challenging geometries.

The materials are fully protected and heated in unique and thoroughly tested cartridge system with integrated extruders and sensors to keep the process safe.



3DGENCE MP260



PROTOTYPING | RESEARCH | DEVELOPMENT

Rapid 3D Prototyping for MIM

Leverage the first to market fast, cost-effective 3D prototyping solution for MIM technology users.

Dedicated 3D printer to keep rapid prototyping costs down, while ensuring high-productivity of your MIM equipment.

Benefit from fine-tuned printing profiles for 316L stainless steel and Al₂O₃ ceramic or choose the ELEMENT MP260X for full process customizability, especially useful in new material development.



INDUSTRY F421



PRODUCTIVITY | ACCURACY | HIGH PERFORMANCE

Powerful and full-fledged rapid production system for end-use parts

BUILD VOLUME
380 x 380 x 420 mm (60 648 cm³)

MATERIALS
PLA, ABS, ABS-ESD, ASA, PA6, PA-CF, LEXAN, PC, PC-ABS, PEKK-CF, ULTEM™9085, PEEK, PEEK AERO, PEKK, VICTREX AM™ 200, ESM-10 (soluble support material)

CHAMBER TEMPERATURE
195°C



INDUSTRY F350



VERSATILITY | SPEED | HIGH EFFICIENCY

Composite and PEEK rapid prototyping system for accelerated go-to-market

BUILD VOLUME
340 x 340 x 350 mm (40 460 cm³)

MATERIALS
PLA, ABS, ASA, PA6, PA-CF, PC, PEEK, ARNITEL ID2045, ESM-10 (soluble support material)

CHAMBER TEMPERATURE
140°C



3DGence MMS – Material Management System is a solution dedicated to keep your materials in a proper condition during the whole printing process and helps to control it. Connected to 3DGence CLOUD, MMS can transfer detailed information from NFC tags located on Certified Materials for full traceability and a streamlined workflow.

3DGence MMS is designed as a device with 3 chambers, 4 materials slots each, operated from built-in 10-inch touchscreen.

The device can be extended with MMS Expansion Unit, that can double the number of spool slots, enabling to easily control even more material at the same time.

ABSOLUTE PROCESS CONTROL

- Process and material traceability
- Repeatable and accurate prints
- PAEK & PEEK annealing program
- Fine-tuned drying programs
- Drying agent regeneration



INDUSTRIAL ACCESORIES



Emergency power supply

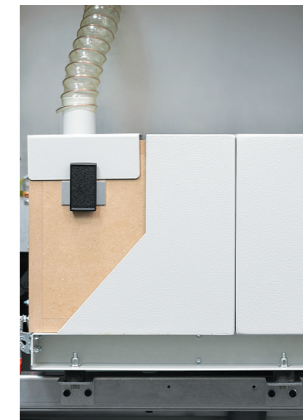
UPS unit for INDUSTRY F421 supports all printer functions during short power outages. UPS is integrated with the system at a deeper level, monitoring UPS battery life. In case the power loss is longer, the printer will switch to idle support mode. Printing will be paused, and only key thermal control and logic functionalities will be maintained.

- unaffected printer performance during short power outages
- longer battery life in case of longer power issues



Emergency power supply

UPS unit for INDUSTRY F350 is the backup power supply that takes care of printing process safety, which is crucial especially while working with engineering and high-performance materials.



Filtration unit

F421 and F350 filters offer unprecedented filtering efficiency among FFF AM platforms. This advanced filtration unit, is capable of filtering:

- macro dust
- nano dust (VOC, UFP)
- solvent vapor
- noxious gases
- foreign particles

The filtration unit sets differ between F421 and F350. Please make sure you order the correct set.



Signal tower

Indicates the status of the printer. The signal tower makes the machine status clearly visible at the production site.