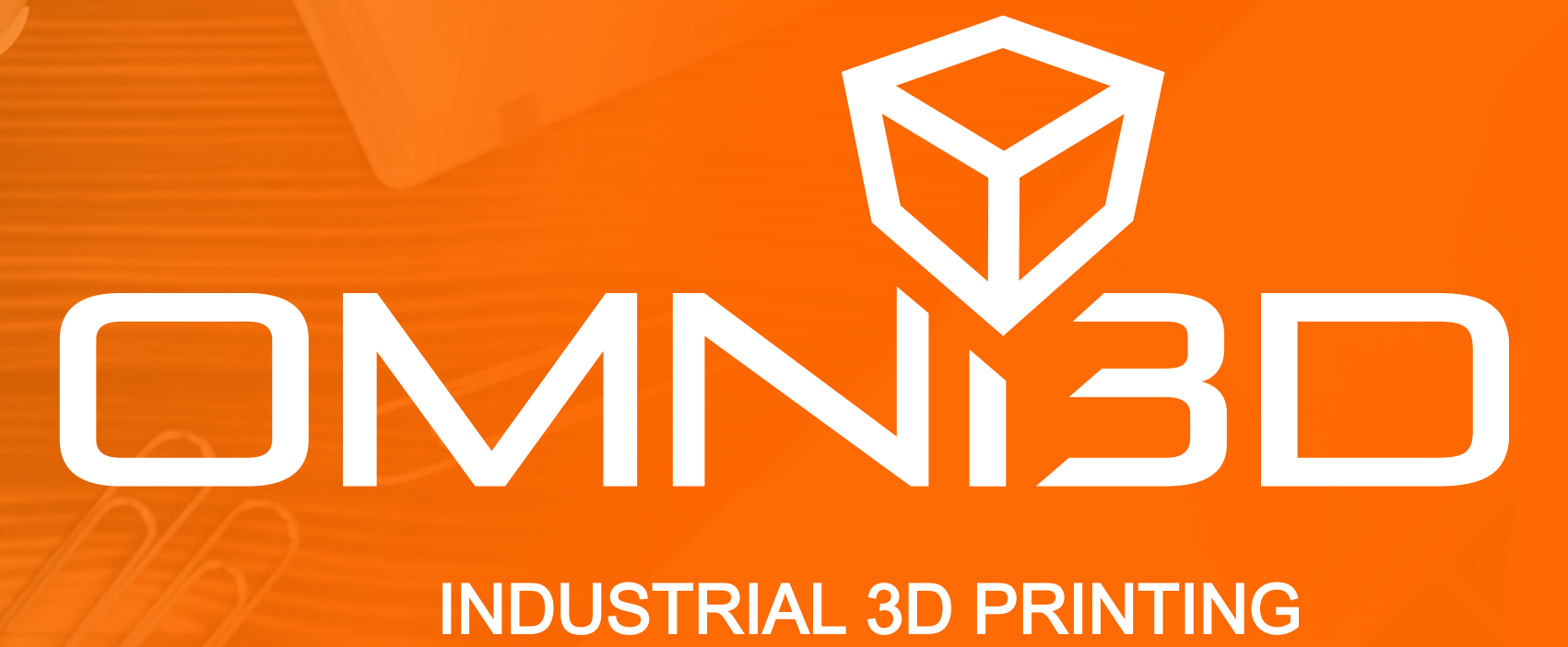




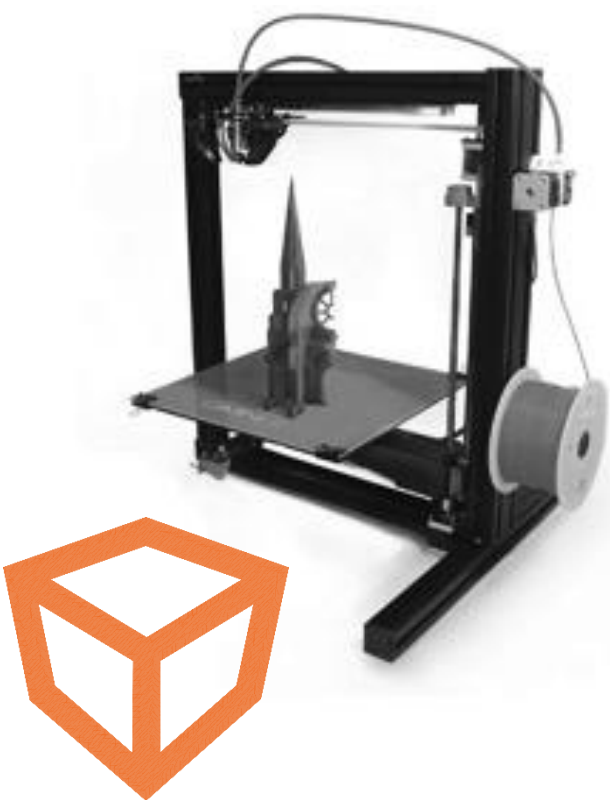
Welcome in Omni3D's World



INDUSTRIAL PRINTING 3D

Tomasz Garniec
Export Manager

COMPANY MILESTONES



ABOUT US

We are the first Polish manufacturer of industrial 3D printers in **FFF technology**.

We offer industrial **3D printing systems** and **3D printing on demand**.

Award winning technology

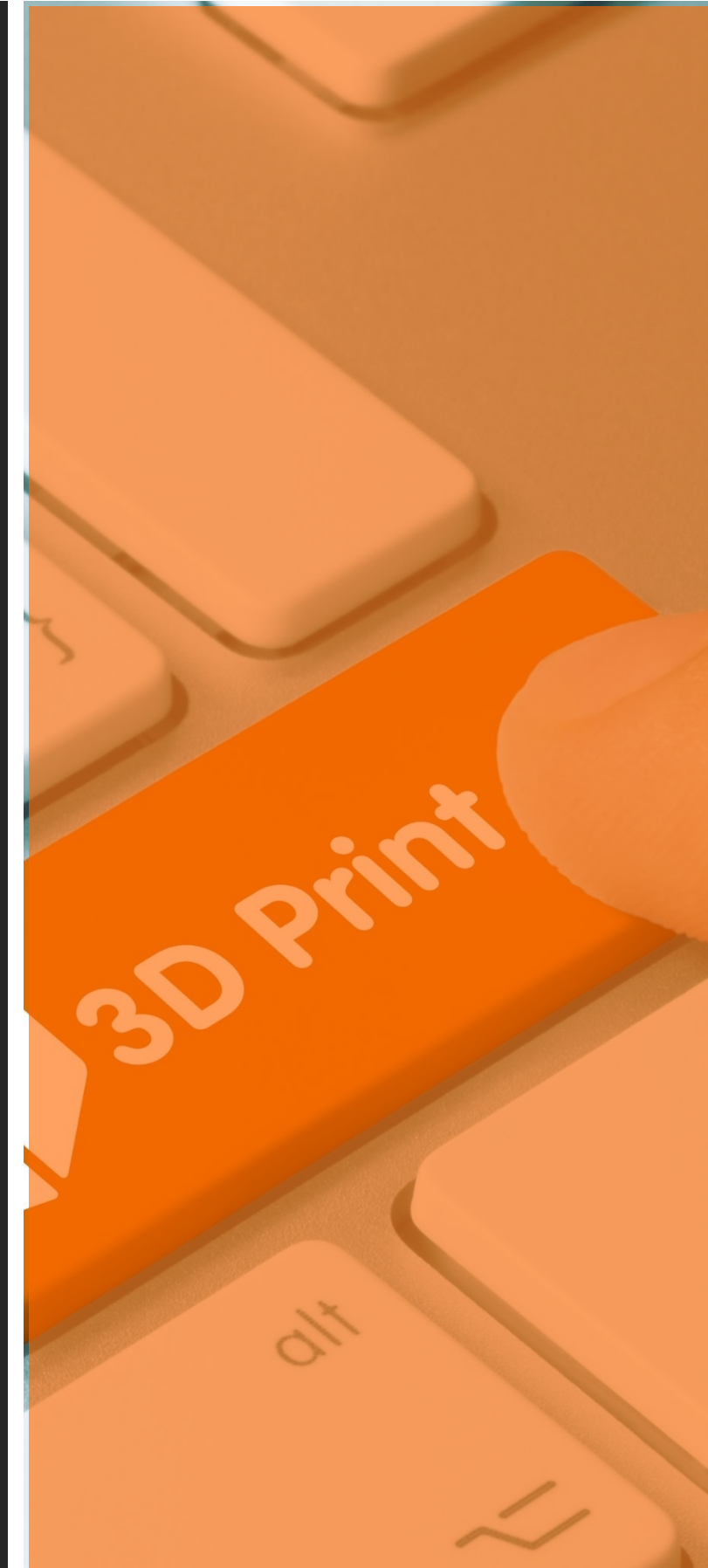


MADE IN EU

Our products are designed and manufactured in Europe

2

Production plants



7

YEARS

of experience and more than 30 peoples working for Your setisfaction

KEY HIGHLIGHTS

Available packages also
include:

- post-sales services,
- audits,
- installation,
- training,
- service and filaments.



**Big Building
Value**

500x500x500

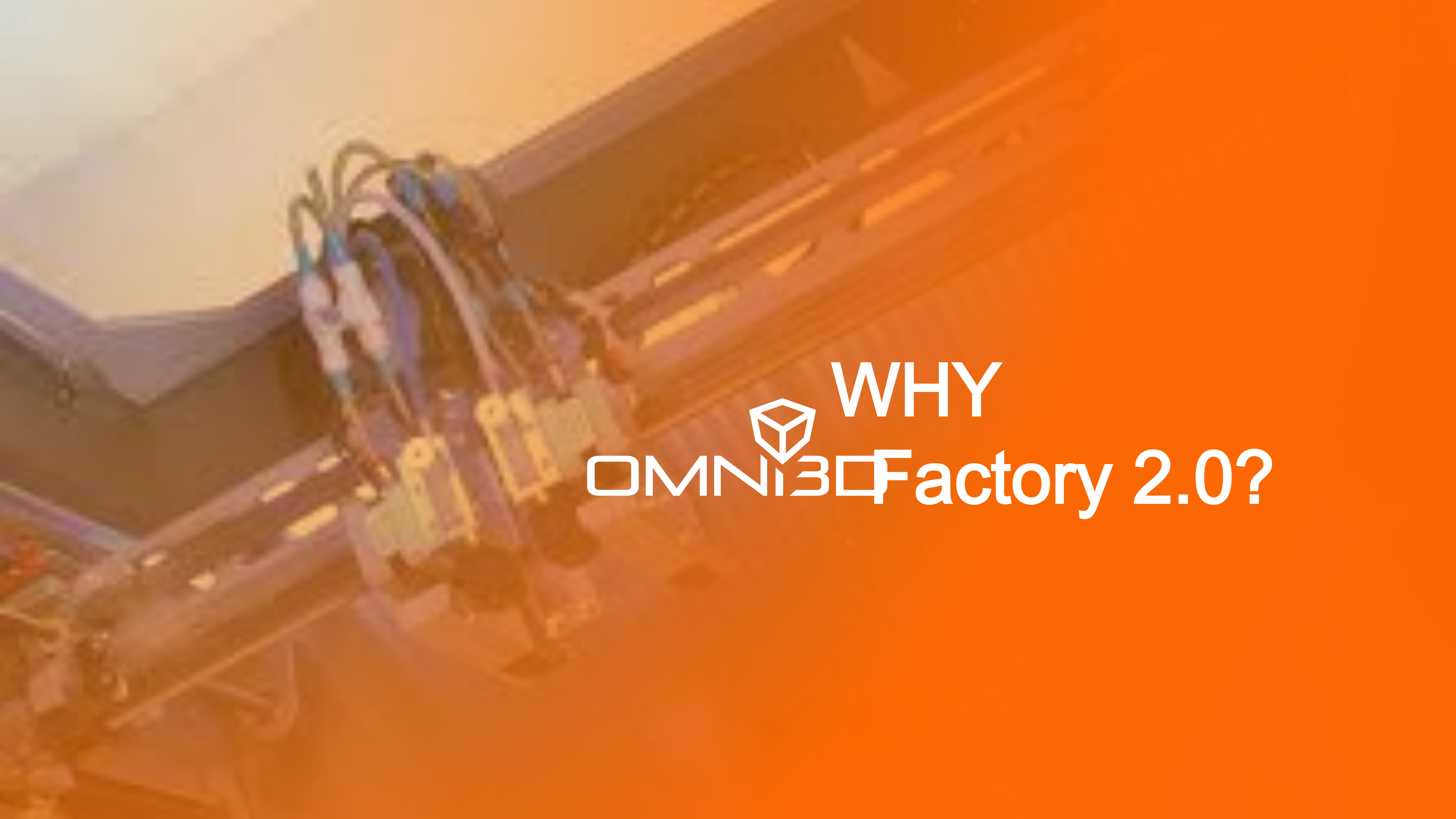
2

**Fully useful
technological
Patents**



21

**AUTHORIZED
filaments**

A background image of an industrial robotic arm in a factory setting, overlaid with a semi-transparent orange gradient. The arm is positioned on the left side of the frame, with its joints and cables visible. The rest of the image is a solid orange color.

WHY OMNIB3D Factory 2.0?

Filament extrusion = 3D Printing

KEY HIGHLIGHTS ABOUT PRINTING

Right printing depends of:

- Filament preparation,
- Stable extrusion (pressure and temperature),
- Fully controlled air flow during printing,
- Stable temperature of nozzles and chamber,
- Drying process.

Cooling System for Extruders

Patented
system
that gives stable
pressure

Fully Controlled Heated Chamber with Air Flow

For filament
drying, for
stable air flow
during printing
and drying of
the printouts

A photograph of an Omni3d 3D printer, showing its internal components and the filament extrusion process. The printer has a transparent front panel and a sturdy metal frame.

Omni3d's
Printers
give You

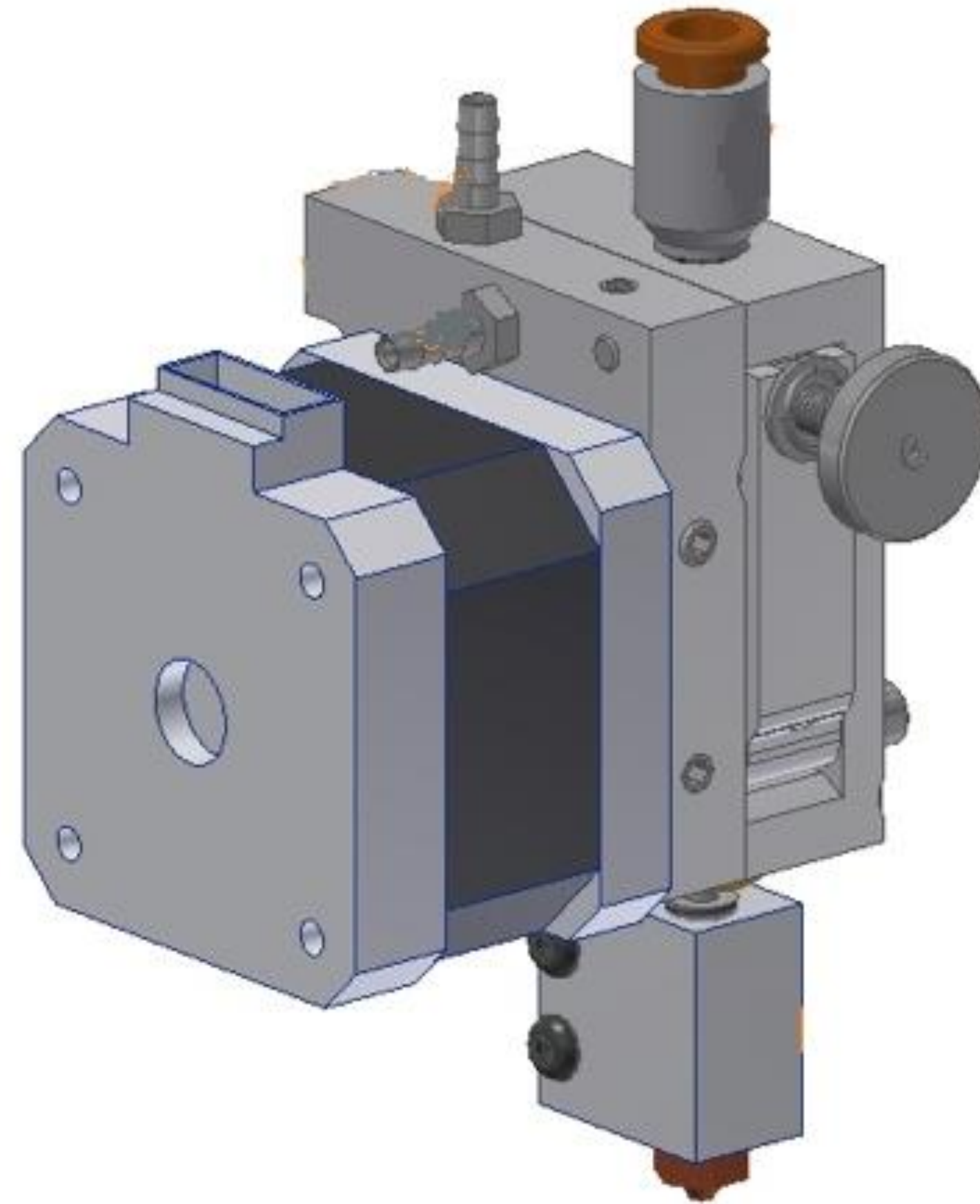
Universal Construction of Printing Heads

Hardness
steel nozzles
for all
filaments type

Cooling system

OMNI3D

- Reducing temperature in extruder by 40C
- Cooling the upper part of nozzles
- Keeps filament tight – far from Deflection Temperature



3D Printing process

- Reducing temperature at feeding gear
- Reducing the temperature of filament on feeding gear
- Reducing the temperature of feeding gear motor

KEY HIGHLIGHTS ABOUT PRINTING

Right printing depends of:

- Filament preparation,
- Stable extrusion (pressure and temperature),
- Fully controlled air flow during printing,
- Stable temperature of nozzles and chamber,
- Drying process.

Printing Area, Filament Flow

Filament Flow Control

Sensor
that
Gives an info not
just if the filament is
inside but how it
flows

High Bed temperature

Up to 150C –
and a glass
surface to
minimize
warping



Omni3d's
Printers
give You

Big Printing Area

0,125m³

Factory^{2.0}



0,125m³
PRINTING AREA



ENCLOSED HEATING CHAMBER

Enables effective printing of large objects from industrial thermoplastics such as ABS



DUAL EXTRUDER with automatic height adjustment

Print complicated and unusual shapes using dedicated support material. The printer is additionally equipped with a lifting system for an inactive head. Optional high temperature head module up to 420 °C



500 x 500 x 500 OF BUILD VOLUME

You can print large items or a whole series of smaller parts



AUTOMATIC PLATFORM CALIBRATION

We optimise your work thanks to automatic platform calibration, filament flow control and predefined print settings

Factory^{2.0}



Filaments

BASIC Filaments

-  ABS42
-  Ultrafuse ABS Fusion+ 750g
-  ASA
-  PLA
-  PC-ABS
-  PET-G32
-  HIPS-20

FLEXIBLE AND ENGINEERING Filaments

-  TPU
-  PA-6/66
-  CF-PA-12
-  XSTRAND GF-PA-6
-  PA-12
-  3DXSTT ESD-PETG

INDUSTRIAL Filaments

-  THERMEC ZED (PPS)
-  PEKK-A
-  CF-PEKK
-  PVC (VINYL 303)

SUPPORT Filaments

-  ODS-20
-  WS-20

Presenting
OMNI
3D Samples

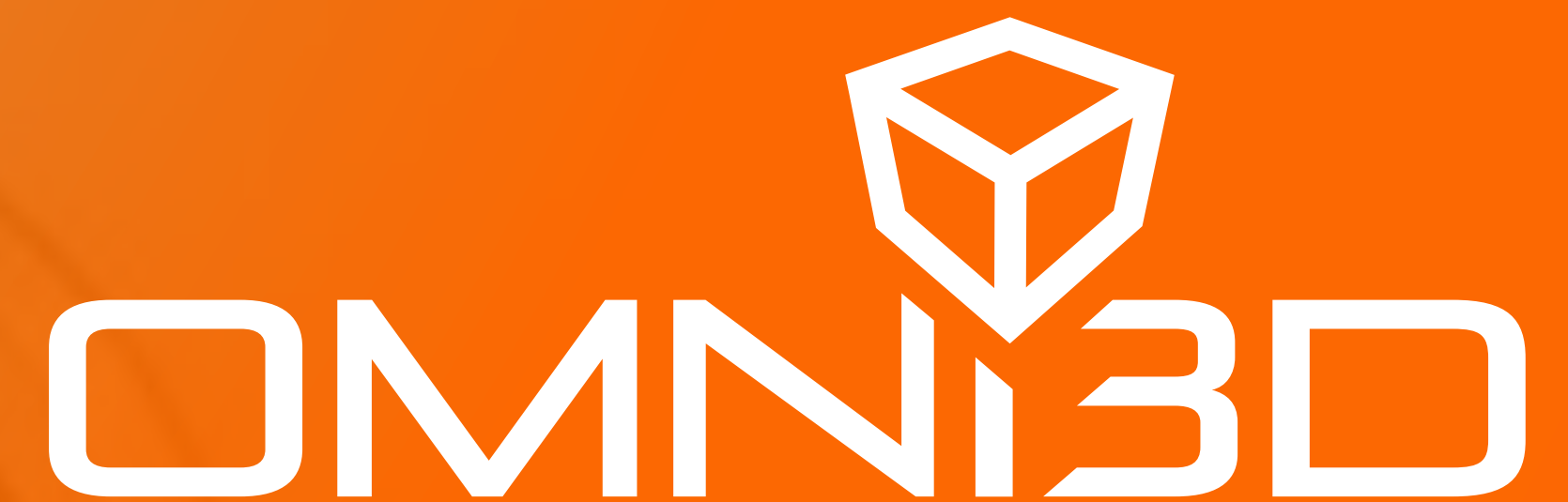
OMNI^{3D}Samples system

Omni3D Print Room Sample Printing



-  **15 MACHINES**
Full professional Omni3D machines with modern equipment that gives high repeatability
-  **DEDICATED WEB**
Web side with individual calculations and all necessary informations
-  **TECHNOLOGY SUPPORT**
To follow and control the process from start to the end
-  **MULTI FILAMENTS CHOICE**
All filaments included the individual created for the customer
-  **HELP DESK – CAD Design**
Specialists of CAD by request to prepare the project right

TRUSTED BY MANY
OWNED BY THE
BEST

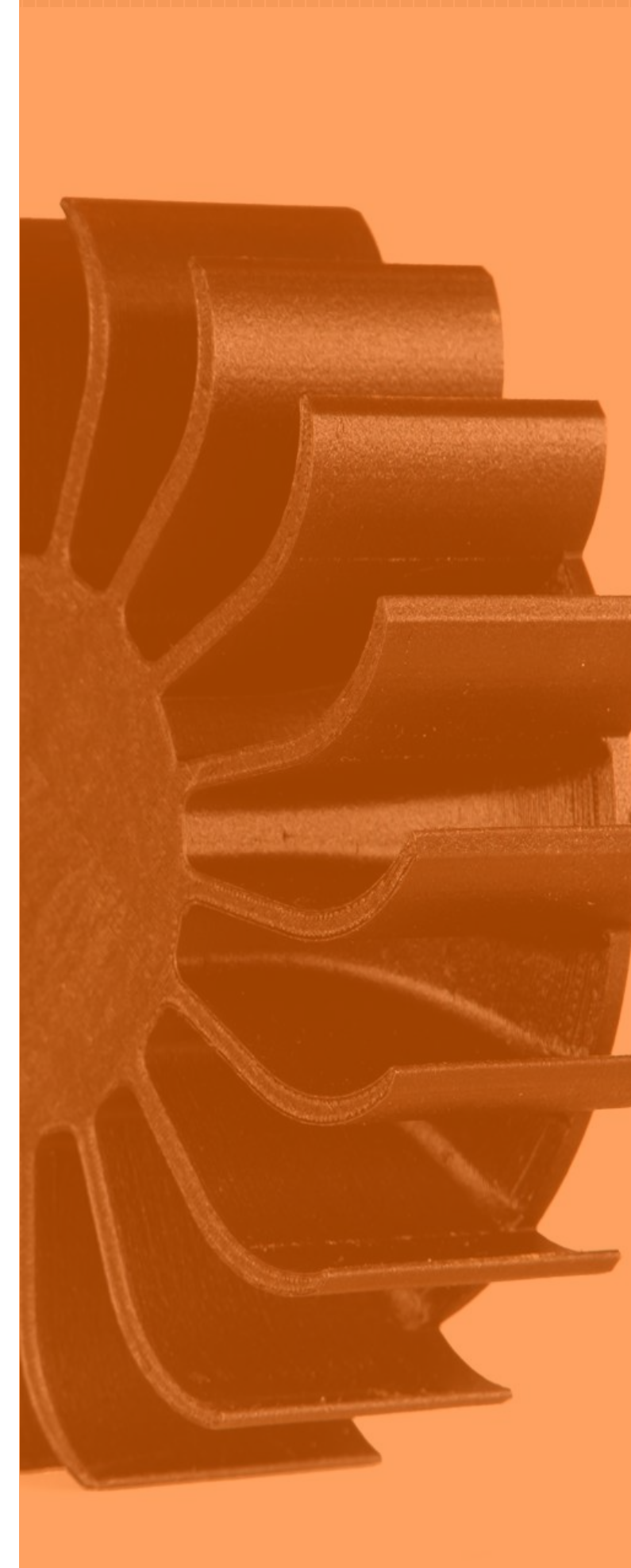
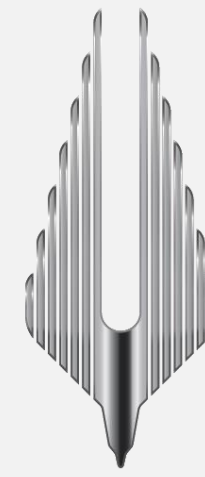


INDUSTRIAL 3D PRINTING

Successful Stories

CASE - STUDY

- Prototyping
- Small value production
- Customize production
- logistic
- Spare parts production
- Tooling



BOSCH



COMPANIES THAT TRUST OMNI3D



SIEMENS

S A M S U N G



BAE SYSTEMS



OLYMPUS



Volkswagen



MEYRA

MAHLE



GE Power



IVECO



INDUSTRIAL 3D PRINTING

THANK YOU FOR YOUR ATTENTION

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www.omni3d.com

If You have any questions do not hesitate to contact me