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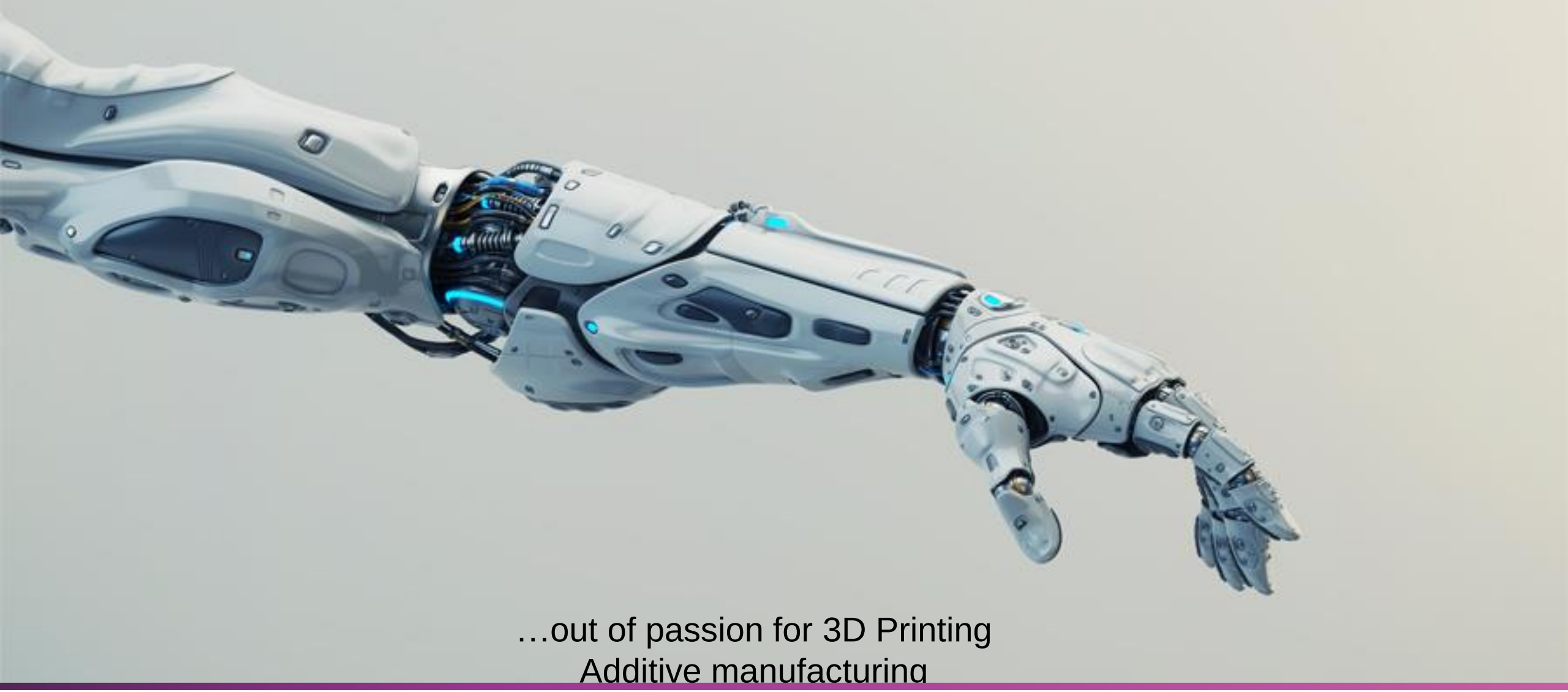
AMAZE Multiplier Event 2 (ME 2) on:

Applied Research Methods for Additive Manufacturing in Industrial Design

3D PRINTERS, SCANNERS & SOFTWARE



…out of passion for 3D Printing
Additive manufacturing

Products and Equipments

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About Us – LEYKOM IMPORT-EXPORT

100% ROMANIAN BRAND

The company offers its customers over 5,000 products, dedicated to the advertising industry - equipments - media - accessories - packaging solutions - cassetting - debiting.

MARKET LEADER

The history and identity of the company, the collaboration with world wide top suppliers, the efficiency of the distribution network, the constant quality of the products in the portfolio, but also the level of services offered to our customers, annually confirms the company's leading status in the advertising industry.

NATIONAL COVERAGE

With headquarter in Bucharest and with six territorial branches in Brasov, Cluj, Iasi, Timisoara, Braila and Constanta, the company's national footprint allows for quick customer consulting, through the key points of the distribution network.

ANNUAL EVENTS

Every year, the company organizes training sessions, workshops and presentations of equipments and media, in the most important cities in Romania.

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3D Industry

3D printers and scanners are some of the most advanced systems currently on the market, which will allow you to perform complex work in a very short time.

Leykom provides a wide range of 3D equipment's with amazing features and cutting-edge technologies, making them suitable for industries such as: medicine, dentistry, education, engineering, decorations, etc.

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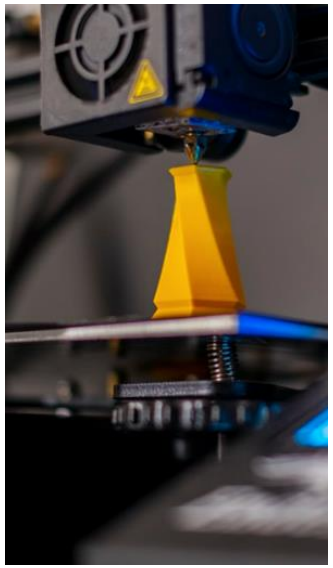
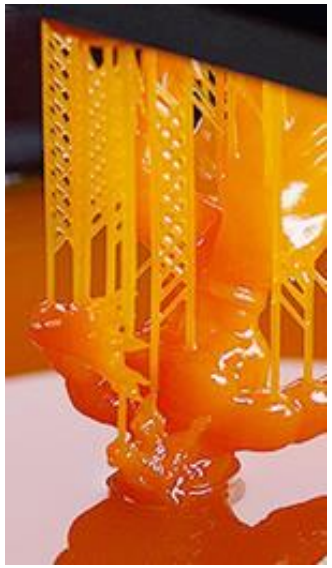
3D Printing Technologies



FDM – Modeling by Thermoplastic Extrusion

SLS – Selective Laser Sintering (Powder)

SLM – Selective Laser Melting (Metal)



SLA – Stereolithography (Resin)

GDP – Gel Dispensing Printing (Massivit)

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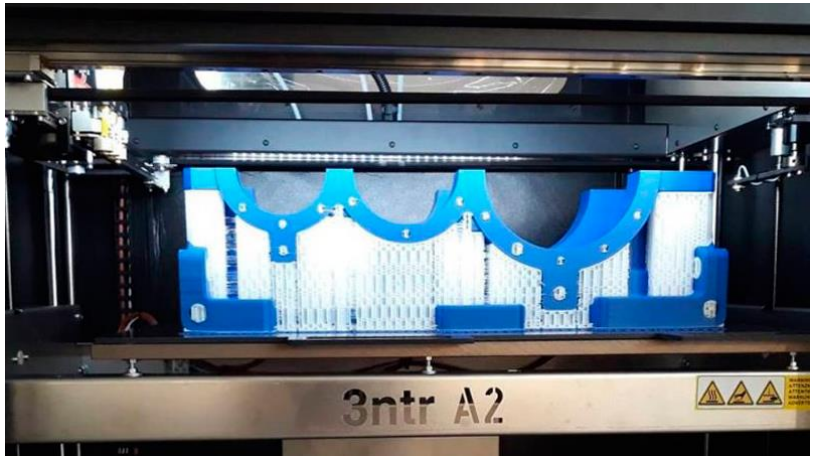
3D Printing - Additive manufacturing

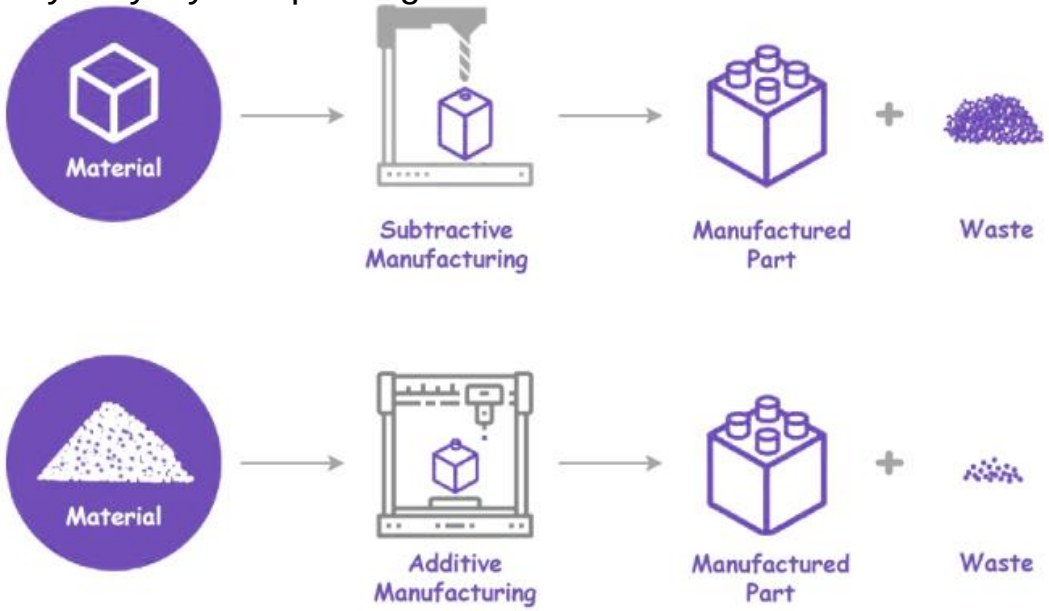
3D printing and additive manufacturing are two terms often used interchangeably.

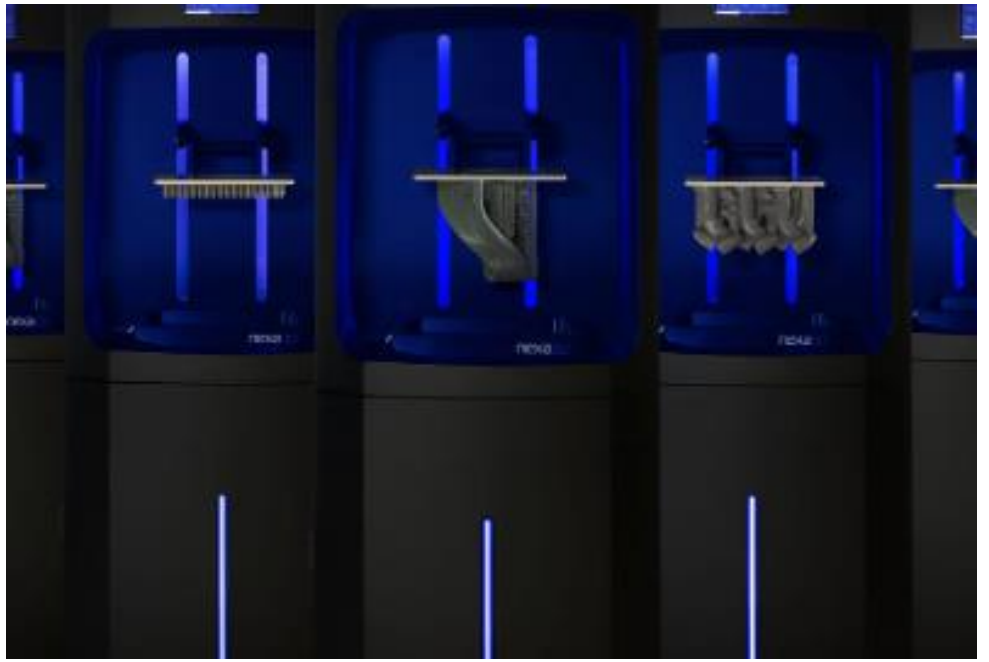
3D printing or additive manufacturing enables you to produce geometrically complex objects, shapes and textures. It often uses less material than traditional manufacturing methods and allows the production of items that were simply not possible to produce economically with traditional manufacturing.

As the name itself suggests, additive manufacturing or 3D printing is simply printing or simply producing a 3D Model.

If we define it in a more formal way, “ Additive manufacturing refers to the process by which digital 3D design data is used to build up a component (basically a 3D Model) by layer by layer depositing material.”







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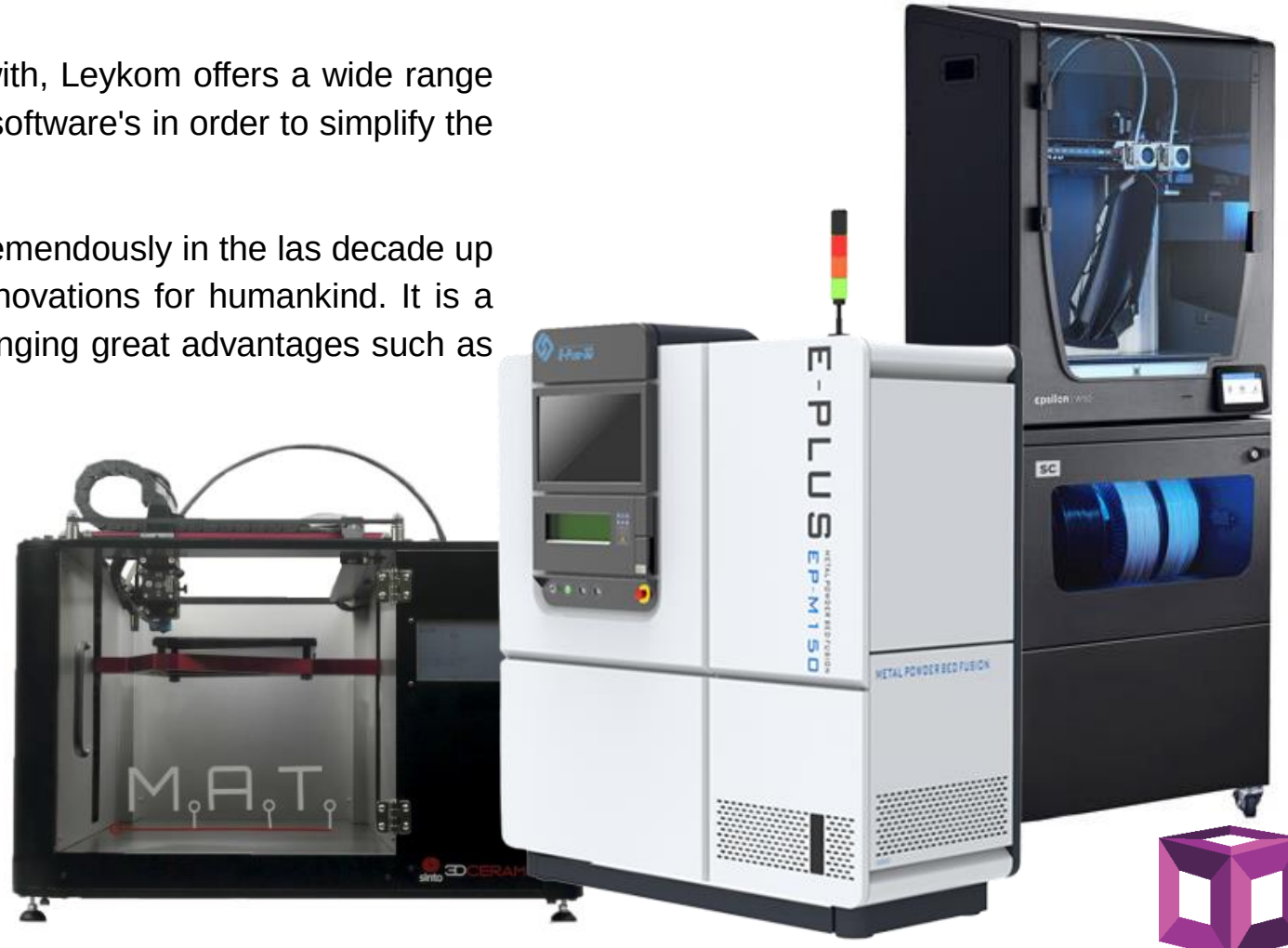
3D Printing

Leykom offers 3D Printer’s and a wide range of 3D scanners– the most reliable and fastest solution for obtaining top-notch accuracy.

By choosing only top producers and experts to collaborate with, Leykom offers a wide range of 3D printers with state-of-the-art technologies and intuitive software's in order to simplify the additive fabrication.

The revolutionary technology of 3D printing has developed tremendously in the las decade up to the point where now it enables new opportunities and innovations for humankind. It is a game-changing alternative to classic manufacturing while bringing great advantages such as rapid prototyping, cost savings and precision.



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3D Printer’s for prototyping

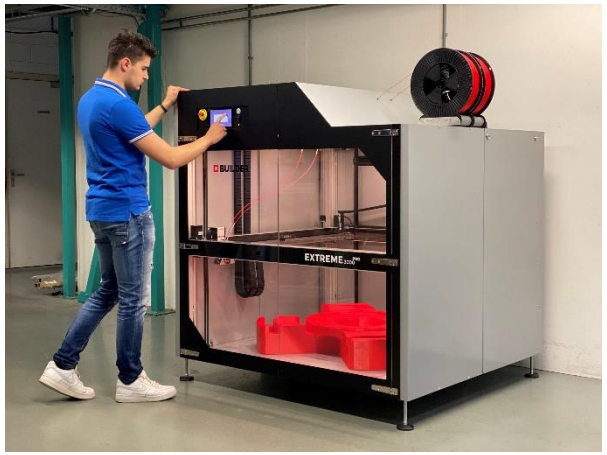
Prototyping is an essential step in the product development process. For close to three decades now, 3D print for prototyping has been widely used to create physical prototypes for visualization purposes, functional prototypes or testing.

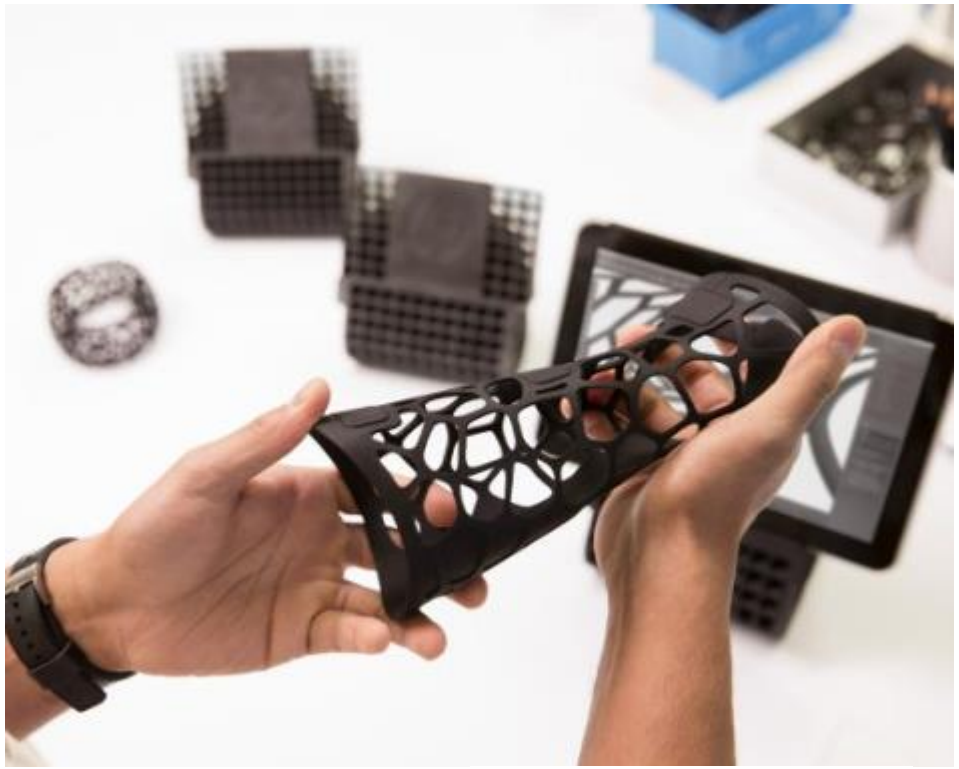
Having access to an in-house 3D printer is generally better than outsourcing your 3D printing. In-house 3D printing can in many cases mean same day delivery, even of multiple iterations.

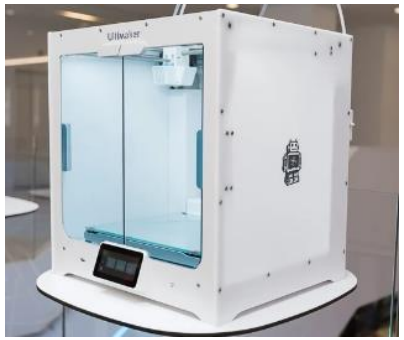
But, even so, it is often a better choice to 3D print your prototypes rather than produce them with traditional methods such as CNC milling. The main reasons are cost efficiency and shorter lead times of parts.

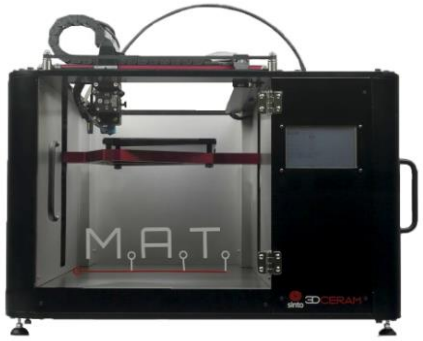
Some 3D printer manufacturers in our portfolio for prototyping.

- 3DCeram
- BCN3D
- Builder
- UltiMaker









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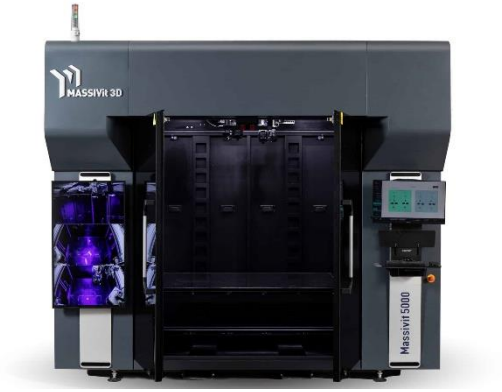
Industrial 3D Printer’s for manufacturing

The evolution of 3D printing has seen a rapid growth in the number of companies adopting the technology.

The applications and use cases vary across industries, but broadly include tooling aids, visual and functional prototypes — and even end-use parts.

Addititve manufacturing systems:

- 3ntr
- DWS
- Eplus3D
- Massivit
- NEXA 3D



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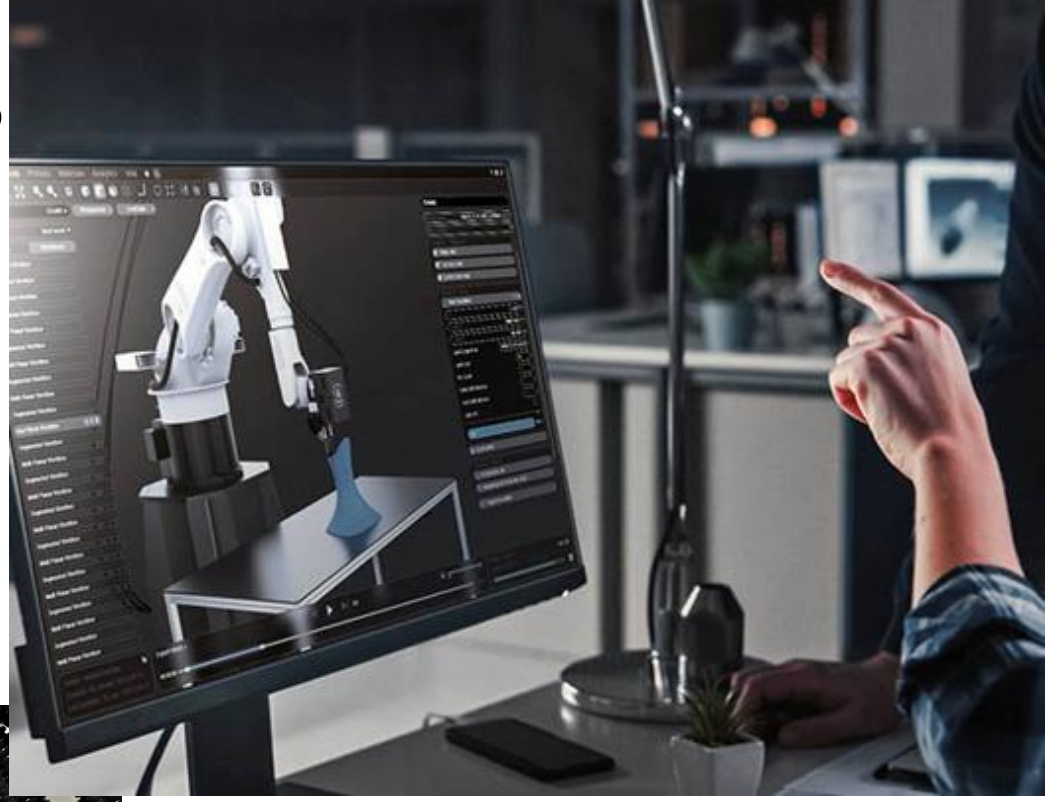
Additive Manufacturing with ROBOTS

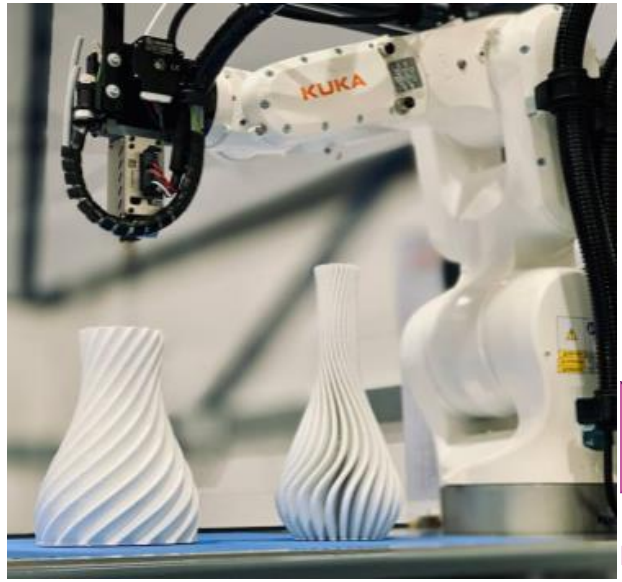


From Academic Sector to Enterprise Application

KUKA AM CELL

AMCell from KUKA is aimed specifically at the academic sector, for schools, universities and company training facilities, through which students can learn the basics of automated polymer, 3D printing.

Featuring the **KUKA AGILUS 10 R900**, **Ai Build's** additive manufacturing software **AiSync**, a non-planar extruder head and periphery, AMCell has been efficiently and cost effectively packaged to support the optimal delivery of advanced training methods in additive manufacturing principles.



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3D Scanning solutions

Leykom offers 3D Software and a wide range of 3D scanners from Shining 3D – the most reliable and fastest solution for obtaining top-notch accuracy.

With handheld 3D scanners, additive manufacturing engineers and technicians can quickly scan parts for in-line or at-line inspections, which substantially saves on inspection times and speeds up throughput.

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Examples
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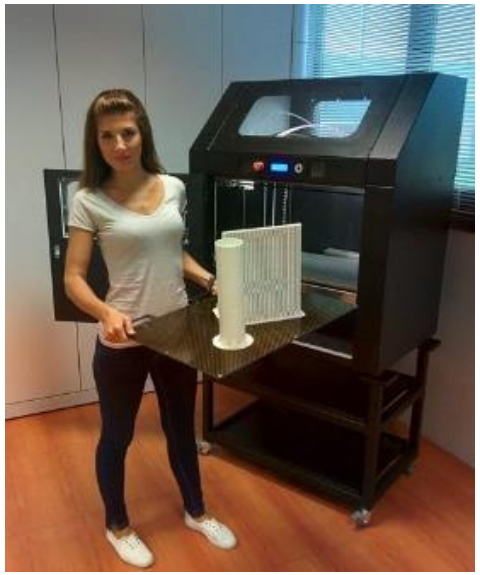
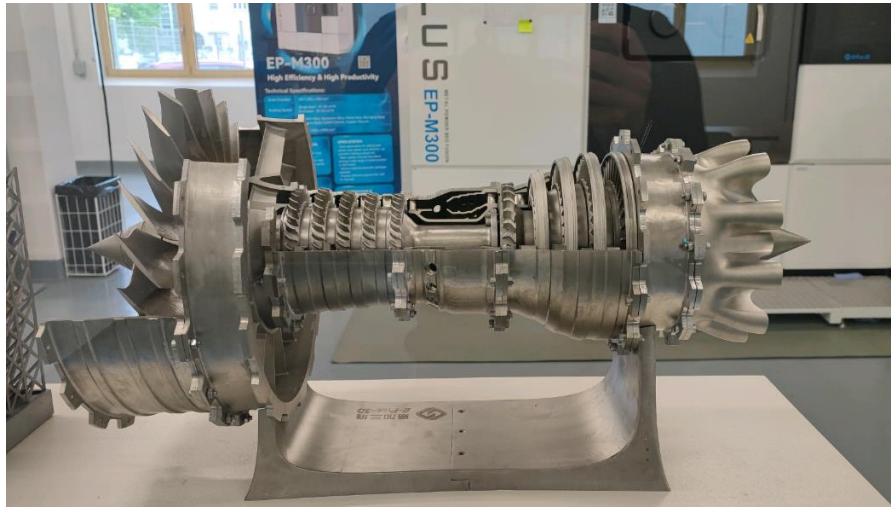


A2v4 3D printer. Its 600- by 300- by 500-mm work area

Nexa3D NXE 400 and its xPEEK147 material

Freescan UE Pro



AirCraft Engine (Used in Aerospace industry) printed with IN718 by EPLUS M650

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+ 20 Top Partners

Question Time

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