



ADMASYS
ADDITIVE MANUFACTURING SYSTEMS ROMANIA

3D printing applications

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Company presentation

- Admasys RO was established in 2022 with the goal of providing professional and specialized services to clients and companies within the rapidly evolving 3D technology market.
- We deliver professional solutions in additive manufacturing (3D printing) tailored to meet the most stringent requirements. Our offerings include 3D printers, high-quality accessories, 3D scanners, specialized software, consumables, and expert services in customized 3D printing, as well as training, maintenance, and technical support.



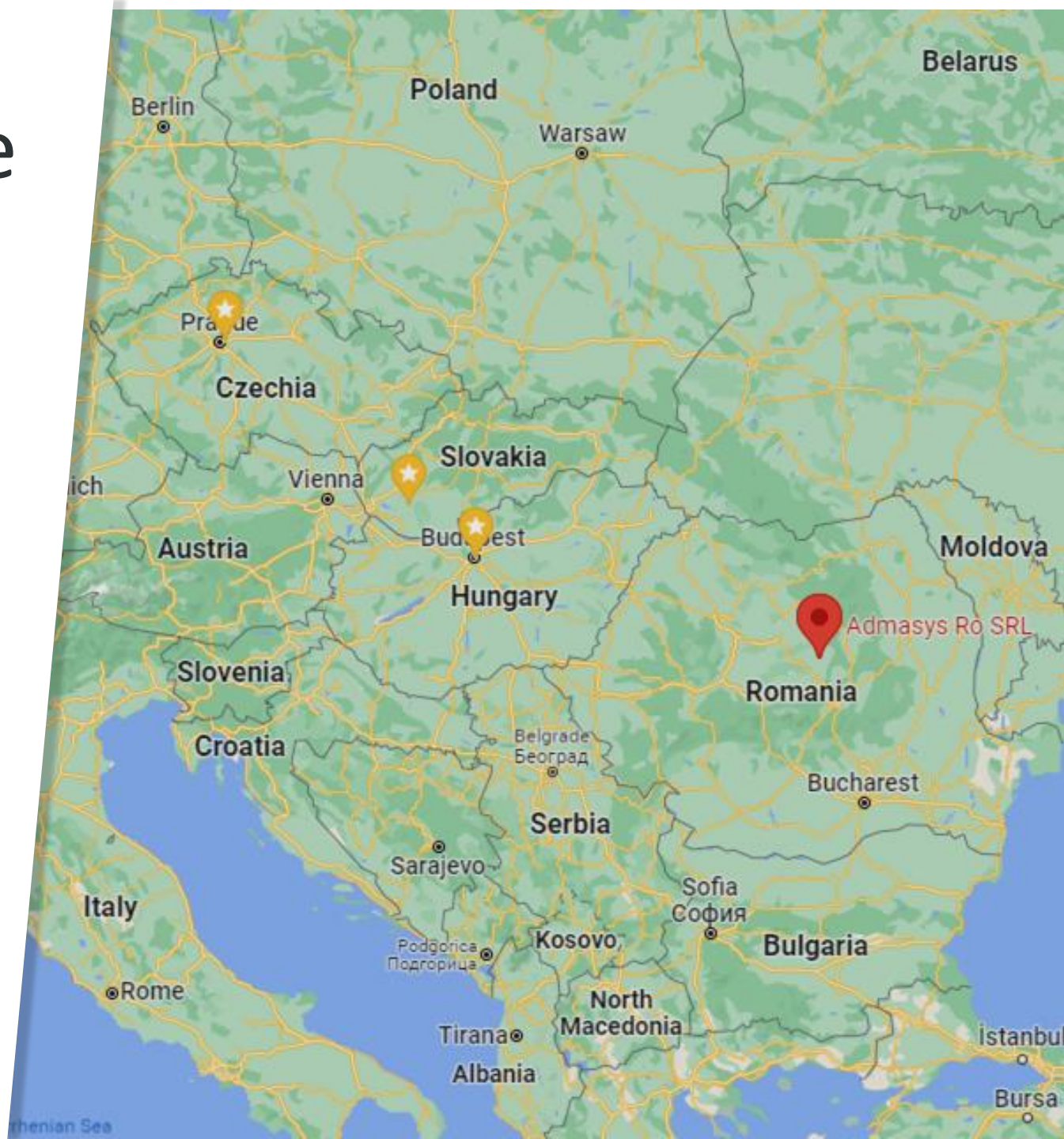
We find the **optimal solution**

- Every product in our range is thoroughly tested under real operating conditions, which guarantees its quality 100%. You can choose from a wide variety of 3D printers, scanners, materials, and accessories.
- Do you have doubts about the practical benefits of 3D printing? Take advantage of our 3D printing applications center in Odorheiu Secuiesc—discover with us the opportunities for use and the benefits of additive manufacturing.



We are part of a large international group

- We are part of the ADMASYS International team, which operates in four countries in Central and Eastern Europe:
 - Admasys RO SRL – Romania;
 - 3Dwiser s.r.o. – Czech Republic;
 - ADMASYS SK s.r.o. – Slovakia;
 - FreeDee Printing Solution Kft. – Hungary;



Satisfied clients



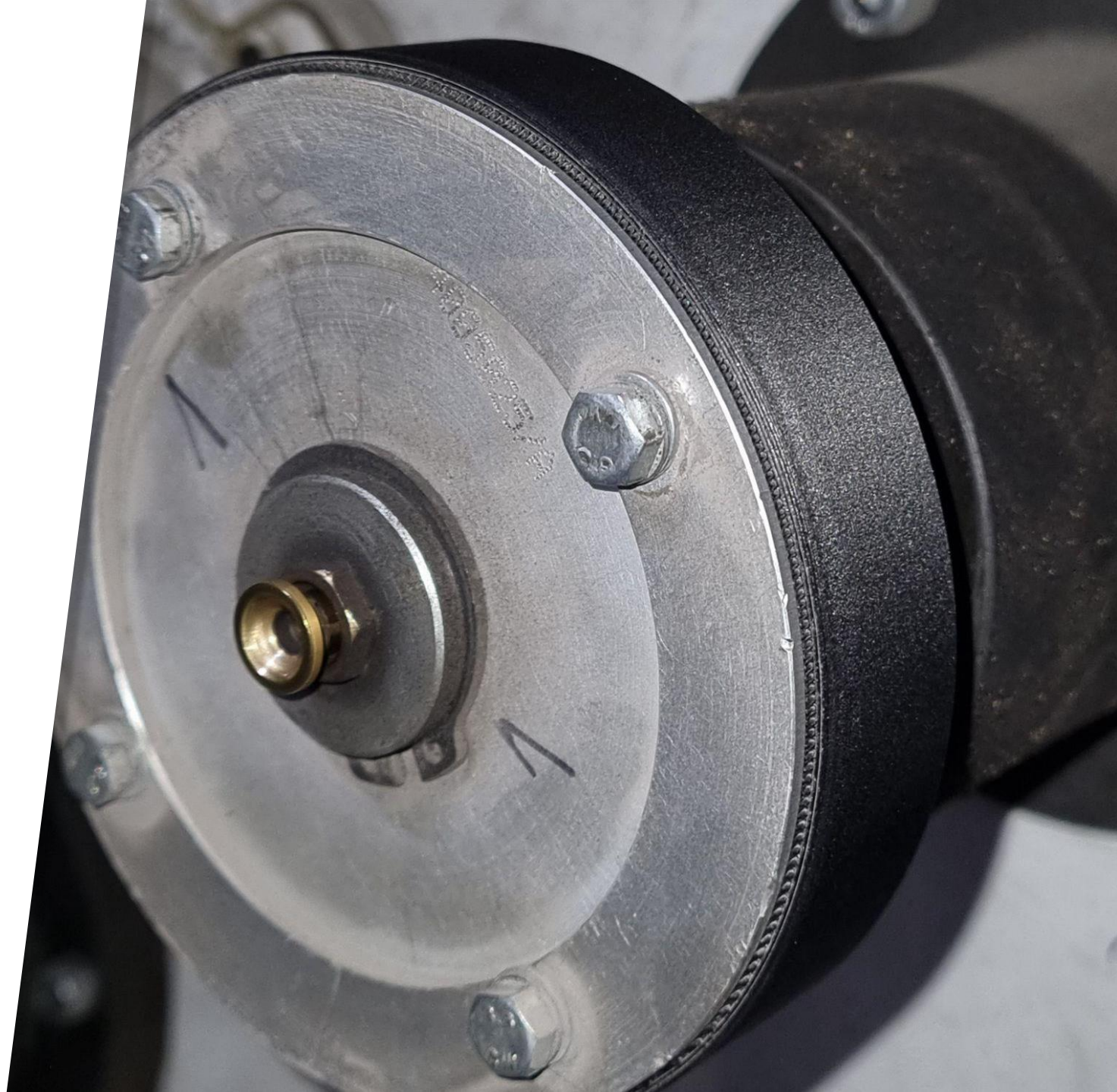
ZENTIVA



and thousands more



SHIMANO

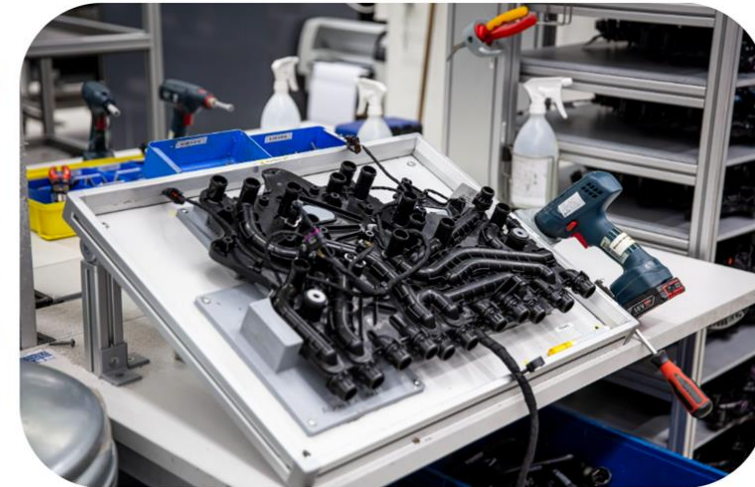
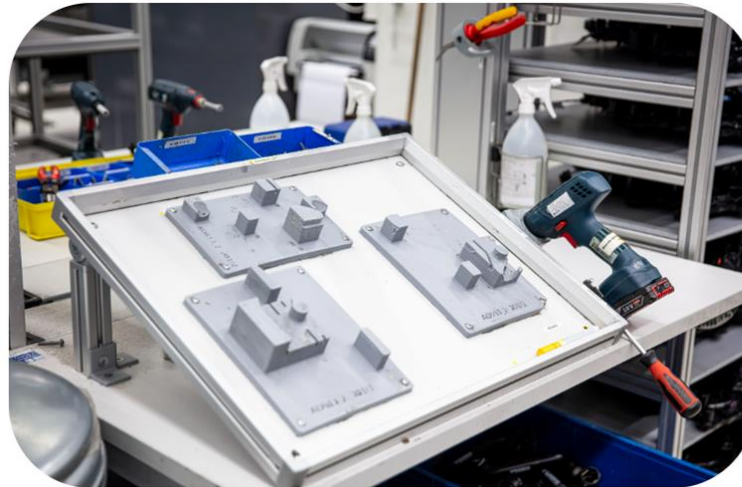
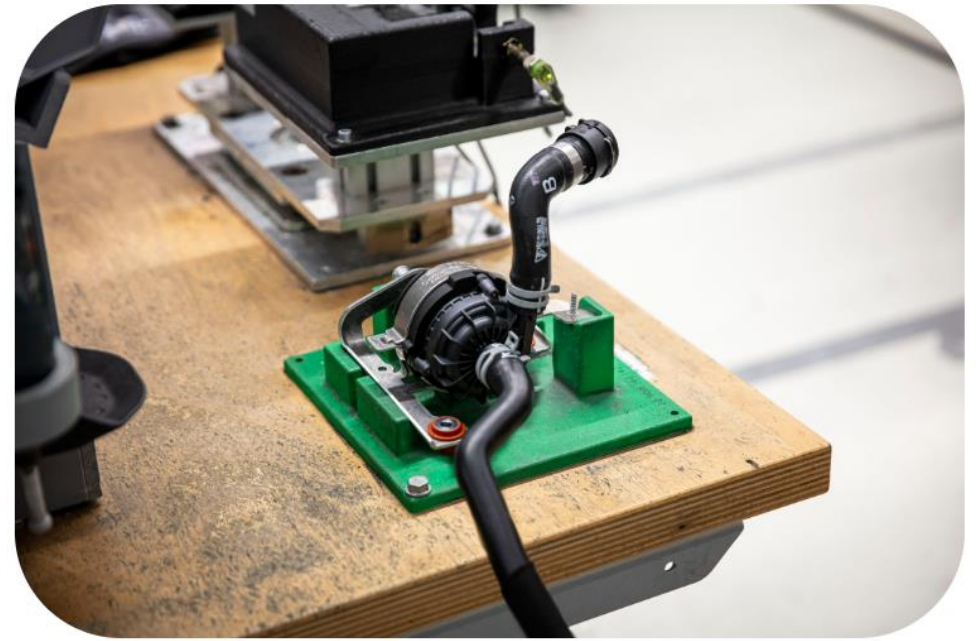


Case study no.1

UltiMaker - Audi

- More than 200 custom jigs and fixtures printed for the E-Tron GT production line
- Fast production times (1-2days vs 2-3weeks)
- Reduced cost (80%)
- Versatile materials (Tough PLA, ESD, TPU 95A, ABS, PETG)

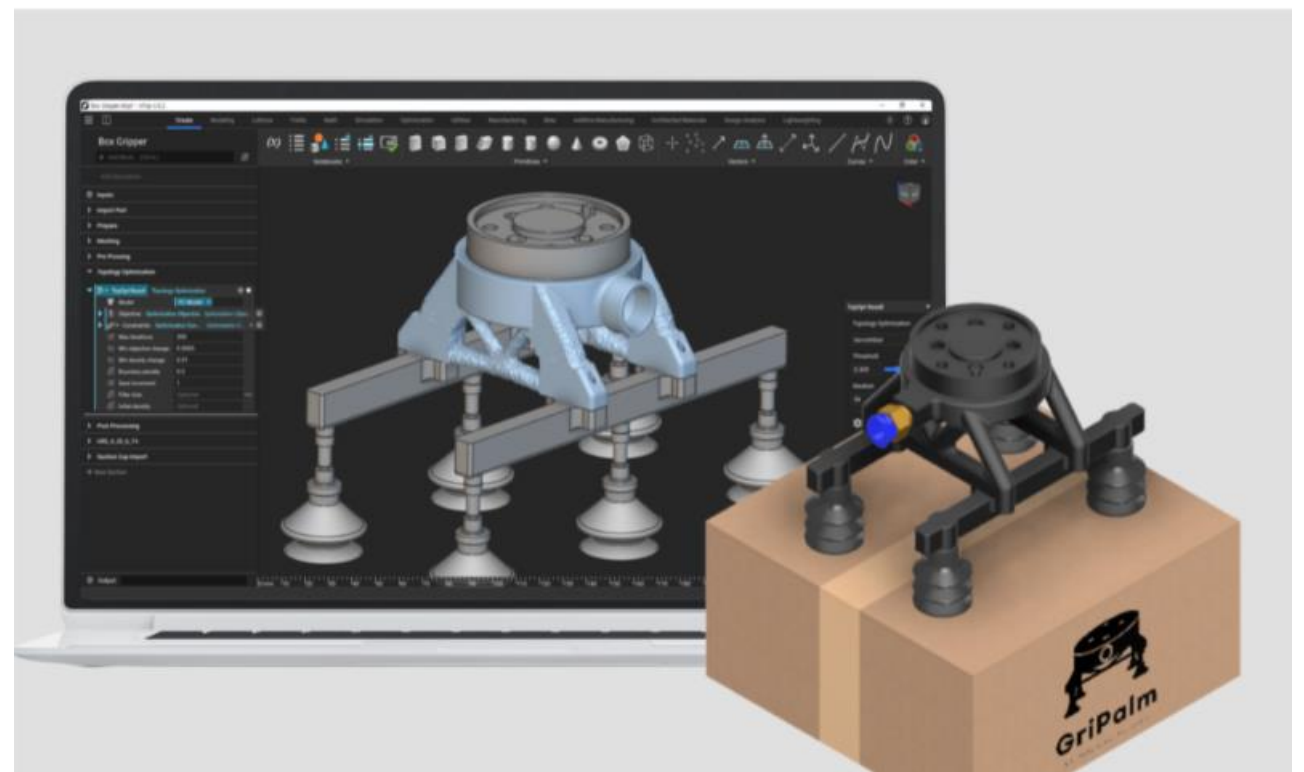
Upcoming Webinar with UltiMaker, Trinkle and Audi on 3D printed jigs and fixtures on 26th of June / 16:00 CEST
[Webinar registration link](#)



Case study no.2

Markforged - Harvestance

- Issue:
 - limited capacity of collaborative robots (20kg)
 - complex geometry grippers
 - interference of pneumatic tubes with robot movement
- Solution:
 - By using Markforged' Onyx PA6-CF material the reduction of weight by ~80%
 - Designing with 3D printing in mind, integrated vacuum lines



Case study no.2

Markforged

Continuous fiber reinforcement:

For parts that need Aluminum strength and lightweight

- Carbon Fiber
- Kevlar
- Fiberglass
- Heat resistant fiberglass

Other materials:

- Vega™ (PEKK-CF)
- ULTEM™ 9085
- Onyx FR(-A)
- Onyx ESD
- Smooth TPU 95A
- Precise PLA
- Nylon



Case study no.3

miniFactory - HEINZ-GLAS

Ultrapolymers used in glass manufacturing process:
(glass decoration / printing)

High temperature resistance needed beside the need to
withstand UV radiation and harsh chemicals.

Material of choice: Kimya PEI-1010 (ULTEM AM1010F)
operating temperature: 200C
flame resistant
UV resistant
Chemically resistant



Case study no.4

Formlabs - OXO

Design iterations using Form4 LFD resin printer

- Hundreds of new products to the market in a short timeline -> no time for long testing period
- Prototypes needed with injection molded like finishes out of the printer
- Rigid, semi-flexible, flexible materials
- Functional prototyping is mandatory for hand-held products, for ergonomy tests. Simulations, renders are not enough.



Case study no.5

Hans-Weber - BMW

Large scale gripper production with pellet 3D printer

- Used in combination with robotic arms, these jigs are used for car body part manipulation.
- 80kg assembly as printed
- Gantry system and robotic system available
- Can be used for large casting form printing
- Furniture printing





Achieve more
with 3D technologies

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