

Roboze

Re-shaping Manufacturing in the Defense Sector



#PrintStrongLikeMetal

About us

Roboze Global Footprint



● Roboze Headquarters

▲ Roboze 3D Partners

■ Roboze Resellers

+120

EMPLOYEES
WORLDWIDE

+500

PRINTERS
INSTALLED

+50.000

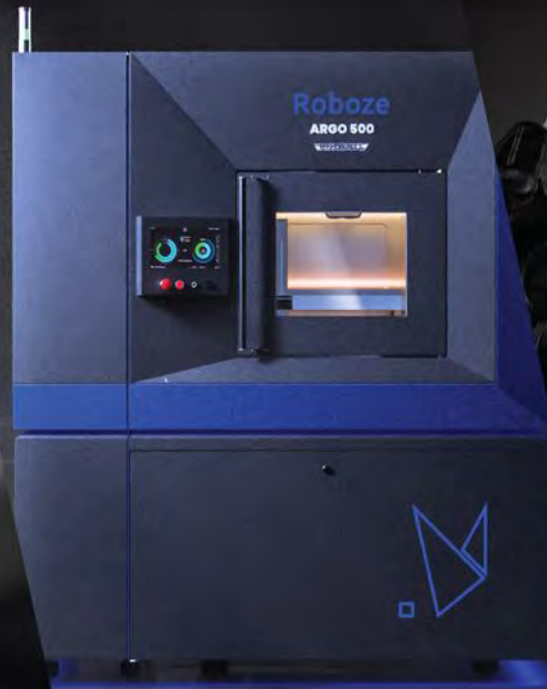
PRINTED PARTS
IN THE WORLD

+20

3D PARTS AND
RESELLERS

The Roboze Ecosystem

One holistic manufacturing environment that brings advanced materials to life



Material Science

Proprietary materials that are **lighter** and **cheaper** than metals but just as strong

Hardware

Patented, 3D printers; ultra-precise, fast, complex geometries, large volumes, scalable

Software

Software that ensures **process reliability, autonomy** and **continuous updates**

Service

Engineering services from **product redesigns** to **supply chain reconfigurations**

Roboze Technology & Services

Unlocking advanced material manufacturing with cutting-edge tech and expert support for every mission.



3D Printers

Printers with the largest controlled chambers in the world are what enable Roboze's materials. They provide CNC-level accuracy with cost savings, complex geometries, and fast production.

Customer Services

Roboze's engineers assist customers in replacing metals, selecting optimal materials, and redesigning parts for cost, time, and weight savings.

Strategic Services

Whether it's for building a country's industrial base or decoupling companies from geopolitical risk, Roboze aids customers in reconfiguring entire supply chains.

Roboze Tech & Manufacturing Applications Across Industries

ENERGY



- Cut Cost
- Lead Time
- Digital Inventory
- Maintenance
- Safety

AEROSPACE



- Light-weighting
- Complex Geometries
- Cut Cost
- Maintenance
- Interior

MOBILITY



- Tooling
- Complex Geometries
- Lead Time
- Custom Parts
- Maintenance

INDUSTRIAL



- Tooling
- Complex Geometries
- Custom Parts
- Product Development
- Maintenance

MEDICAL



- Devices & Implants
- Customized tool
- Assistive Technologies
- Custom Part
- Medical Machines

Strategic industries seek to cut costs, save time, and boost performance

Driving Value in Strategic Industries



Shell's Superpolymer Turbine Blades

By changing the material of their turbine blades to Roboze superpolymers, Shell achieved cost **savings of 40%** and lead **time reductions of 60%**.



Thales Halves Cubesat Weight

Thales halved cubesat weight using Roboze superpolymers. With launch costs at \$10,000/kg, this change generated **savings of over \$20,000** per satellite.



Leonardo's Advanced Actuator Solution

Leonardo swapped the door actuator material on their helicopters from aluminum to Roboze superpolymers, **reducing weight by 60%** and **cost by 50%**.



Hitachi Rail Inventory Optimization

Hitachi Rail cut production costs by €100k/year and freed up €200k in inventory by moving from safety stock to Roboze digital inventory.

Innovation in Additive Manufacturing for the Aerospace & Defense Sector

Key Benefits

- **Repair and Maintenance:** Facilitate on-site repairs by 3D printing composite spare parts, reducing downtime and logistical challenges for maintenance in the field.
- **Lightweight Components:** enhancing vehicle performance while minimizing weight for improved fuel efficiency.
- **Customized Armor:** Tailor composite armor to specific vehicle requirements, providing optimal protection against varying threats.
- **Rapid Prototyping:** Accelerate the design process by quickly creating prototypes for testing and validation.
- **Complex Geometries:** enhancing overall vehicle aerodynamics and functionality.



Air Duct

ULTEM™ AM9085F

Lightweight and strong

50% lighter

Enhanced efficiency



Rudder

Carbon PA PRO

Customizable design

-60% lead time

Faster production



Helicopter Intake Duct

Carbon PEEK

Durable, lightweight

30% cost reduction

Improved reliability

A Global Smart Factory Network

Roboze Advanced Manufacturing Network



Roboze is reshaping the manufacturing landscape with a connected network of AI-powered, cloud-driven smart factories, reducing foreign dependence and strengthening national security.

Drones

- Drone Frames
- Propellers
- Sensor Housings
- Weapon Mounts
- Surveillance Equipment
- Payload Containers
- Structural Components
- Customized Airfoils
- Battery Casings



Submarine

- Sonar Dome Housings
- Propeller Blades
- Torpedo Tube Components
- Comm. Equip. Casings
- Periscope Mounts
- Ballast Tank Valves
- Diving Mechanisms
- Airlock Seals
- Nav. System Enclosures



Naval

- Ship Hull Components
- Radar System Casings
- Sonar Dome Housings
- Antenna Mounts
- Communication Equipment Enclosures
- Propeller Blades
- Torpedo Tube Components
- Deck Fittings
- Missile Launcher Parts
- Helicopter Landing Pads



HOUSTON, US

HEADQUARTERS US

7934 Breen Drive
77064 Houston, TX, Stati Uniti

(+1) 346 229 5675

BARI, IT

HEADQUARTERS EMEA

Via Vincenzo Aulisio 31/33
70124 Bari-Italy

(+39) 080 505 7559

MILANO, IT

CUSTOMER DEVELOPMENT CENTER

Via Polidoro da Caravaggio, 30
20156 Milano, Italia

