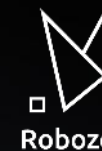


Roboze

Re-shaping manufacturing

Additive production with high performance materials



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.

Benefits of Additive Manufacturing vs Traditional



■ Weight Reduction

Replacing heavy metals with super polymers and composites can reduce weight by 50%.

■ Leadtime Reduction

On Demand Additive Manufacturing can reduce substantially sourcing lead-times

■ Readiness Driver

The fastest technology to go from Design to Production increasing mission readiness

Key Differentiation	Roboze	Metal CNC	Molded Polymers	Carbon Lamination
Cost	✓	✗	✓	✗
Lead Time	✓	✗	✗	✗
Weight	✓	✗	✓	✓
Strength	✓	✓	✗	✓
Parts Consolidation	✓	✗	✗	✗
Sustainability	✓	✗	✗	✗
Supply Chain Flexibility	✓	✗	✗	✗
Design Flexibility	✓	✗	✗	✗
Production Parts - Size	✓	✓	✗	✗
Small Run Size	✓	✗	✗	✓



Air Duct

ULTEM™ AM9085F

Lightweight and strong

50% lighter

Enhanced efficiency



UAV Rudder

Carbon PA PRO

Customizable design

-60% lead time

Faster production



Helicopter Intake Duct

Carbon PEEK

Durable, lightweight

30% cost reduction

Improved reliability

Applications for different platforms



Air Systems



- Erosion shields on wings.
- Parts for cockpit.
- Supports for avionics.
- Environmental Control System parts.
- Protection elements for landing gear.
- Lightened EMI shielding.
- Fixtures for fuel control sensors

Drones



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

Submarine and Naval



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

Ground Systems



- Interior Cabin Parts
- Engine Mounts
- Communication Equipment
- Weapon Mounts
- Customized Vehicle Brackets
- Air Intake
- Liquid reservoirs
- Tactical Vehicle Accessories

A Collaborative approach tailor-made for your needs

Business Offering for Aerospace & Defense



Sustainment Programs development

- 1.On-Demand Spare Parts:** Printing parts as needed, reducing inventory costs.
- 2.Digital Inventory:** Storing part designs digitally for quick production.
- 3.Reduced Lead Times:** Faster production of critical spare parts compared to traditional methods.
- 4.Customization:** Tailoring spare parts for specific applications or upgrades.
- 5.Minimized Obsolescence:** Extending the life of older equipment by printing discontinued or hard-to-find parts.
- 6.Local Production:** Enabling decentralized, near-site manufacturing for quicker distribution and lower logistics costs.
- 7.Material Flexibility:** Producing parts using high-performance materials that match or exceed original part specifications.

Offset Programs

- 1.Local Manufacturing Capabilities:** Establishing AM facilities in offset partner countries, enabling local production of parts and components.
- 2.Technology Transfer:** Sharing AM knowledge, software, and techniques to enhance local capabilities.
- 3.Job Creation:** Developing skilled labor in AM processes, boosting local employment.
- 4.Supply Chain Diversification:** Reducing dependence on foreign parts by producing spares locally via AM.
- 5.Joint R&D Projects:** Collaborating with offset countries on AM innovations and materials.
- 6.Capacity Building:** Supporting long-term operational sustainability with AM technology through training and support programs.

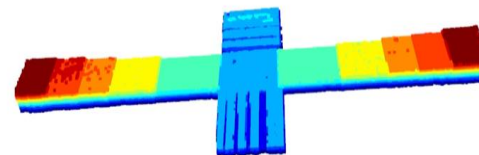
Roboze R&D Efforts

Innovation Through Continuous Research & Development



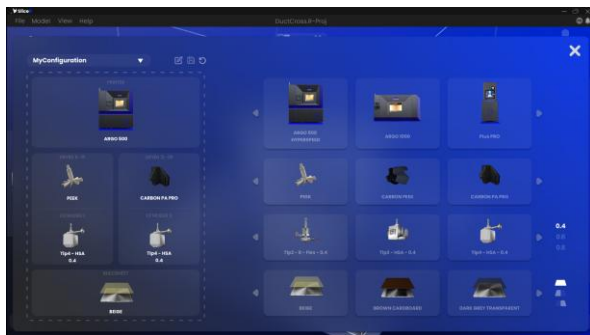
New Technology Deployment

Roboze R&D is working on new technologies aiming to increase the strength and reduce the porosity of additively manufactured components



Onboard Electro-Optical Inspection System

Electro-optical camera enabling real-time inspection and digital reconstruction of the build accelerating parts certification and reducing inspection time.



AI Trained Manufacturing Parameters Software

Setting up 3D printing for mission critical components is time-consuming and needs skilled labor. Roboze's AI software simplifies this, making machine setup quick and scalable.



Advanced Materials Formulations

Formulations for specific needs include advanced thermo- and electro-conductive materials, as well as STEALTH materials.

BARI, IT

HEADQUARTERS EMEA

Via Vincenzo Aulisio 31/33
70124 Bari-Italy

(+39) 080 505 7559

HOUSTON, US

HEADQUARTERS US

7934 Breen Drive
77064 Houston, TX, Stati Uniti

(+1) 346 229 5675

MILANO, IT

CUSTOMER DEVELOPMENT CENTER

Via Polidoro da Caravaggio, 30
20156 Milano, Italia

