MELTIO

Get to know us!

www.meltio3d.com

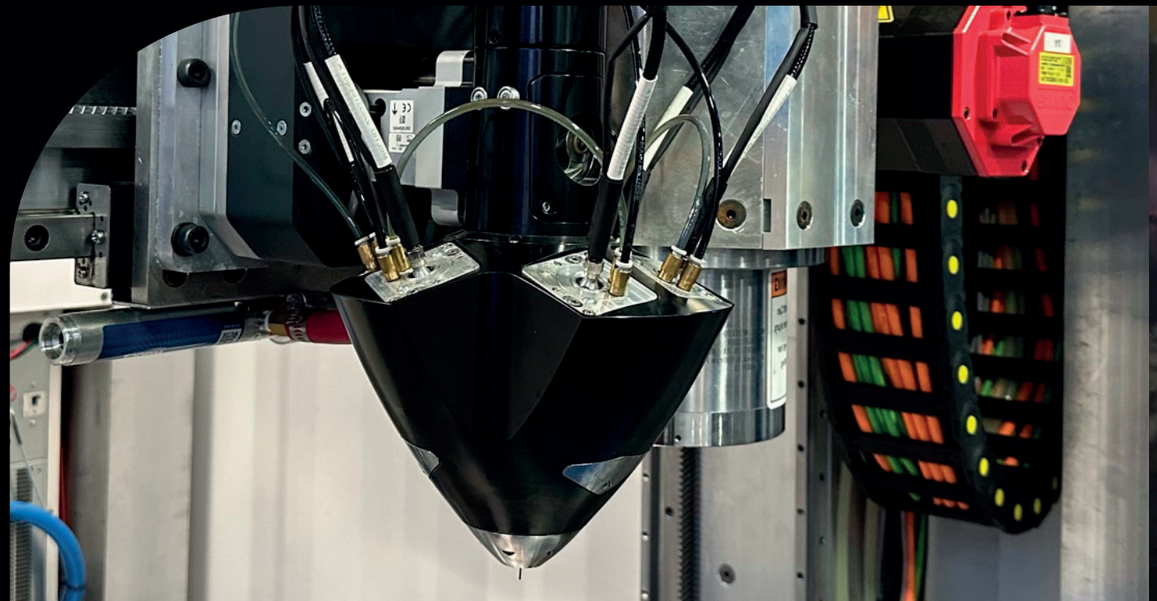
Meltio exists to advance the industrialization of metal additive manufacturing. That is why we developed the best technology for defense applications, spare part manufacturing, repair applications, and to avoid commercial obsolescence.

We offer the air force, infantry and army, a Wire-Laser Metal 3D Printing technology; known for its safety, reliability, cost-efficiency, seamless integration, and accessibility.

Supply chain obsolescence has become the single greatest threat to defense operations. Meltio addresses this challenge and mitigates this issue with an autonomous system that prints parts precisely when and where they are needed, ensuring efficient operations.

MELTIO

Meltio for the Defense Sector



Needs of Armed Forces

1. Speed. Avoid Long Lead Time

With Meltio technology, we offer the capability to expedite part manufacturing significantly, surpassing the time constraints typically associated with conventional methods. Our innovative approach mitigates the prolonged lead times inherent in traditional manufacturing processes.

2. Localization

Meltio makes possible on-demand manufacturing and repair of critical components and weaponry, thus reducing the logistical burden of stocking hundreds of spares. In addition to minimizing stock requirements, Meltio avoids the need for mandatory minimum orders.

3. R&D - Prototyping

Our platform offers the capability for rapid iteration of designs, autonomously and with minimal reliance on external providers, effectively minimizing red tape. This approach serves to address challenges stemming from commercial obsolescence, ensuring adaptability and longevity in our solutions.

4. Manufacturing

Obsolete Spare Parts	Legacy components no longer manufactured by the OEM
Replacement Parts at Point-of-Use	Components that cannot be stocked in remote locations or on the battlefield
Prototypes	Innovative parts
Huge Cost and Time Savings	Worn components can be rebuilt and machined with tolerance for critical surfaces

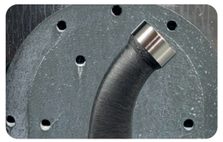
5. Repair

Worn-out Parts	Legacy components, still viable if geometry is correctly restored
Battle-damaged Equipment	Repair on the battlefield of components damaged during combat

Ongoing Defense-related projects

Jet Engine Repair

Defense Supplier - Air Force
- Repair of High Value Parts
- Titanium
- Copper-based Alloys



Ammunition Funnel

Defense Supplier
- Casting Replacement
- Stainless Steel

Courtesy of Phillips Corp.

Armored Vehicle Spare Parts

Spanish Army
- Spare Parts Manufacturing
- Stainless Steel

Acknowledgement

U.S Army xTech Program

5th place won with proposal:
- Deployable Hybrid System
- Process inert gas available anywhere with nitrogen generators
- Machine reliability

Trusted by the DoD

Federal Goverment
- The first hybrid machine was installed in a deployable shipping container at **Rock Island Arsenal in 2021 by Meltio's partner, Phillips Corporation**

Sample Parts of Interest

Brackets

Application sector: Vehicles
Type of application: Spare Parts

Broken Gears

Application sector: Automotive / Machinery
Type of application: Repair

Vehicle Spare Parts

Application sector: Vehicles
Type of application: Spare Parts

Tank Wheels

Application sector: Vehicles
Type of application: Repair