



**PARTNER OF
FOUNDRIES**



**INGRATED PROCESS
TO ENSURE THE CONFORMITY
OF YOUR PARTS ACCORDING
TO THE HIGHEST QUALITY
STANDARDS**

- ✓ EN9100 & Nadcap
- ✓ Multitechnical NDT Expertise
- ✓ Inspection of large-sized structures
- ✓ Control within 5 working days



Why Choose MPP?

High-level accreditations: EN9100 & Nadcap

Specific customer certifications/qualifications: Safran and other major manufacturers

Unique testing capabilities for large-sized structures and equipped with advanced NDT technologies

Productivity optimization: reduced inspection time (5 working days) and smooth integration into the production flow

Reliability and traceability: repeatable measurements and detailed reports compliant with client audits

MPP integrated process - Foundry



Finishing your parts made of Aluminum, Steel, Inconel or Titanium

MPP offers precision surface finishing services for casting parts made from aluminum, steel, Inconel, and titanium. Our expertise ensures the integrity, performance, and surface quality of high-value components, supporting both development and production needs in demanding industries.



Finishing operations

Our deburring, precision polishing and welding operators are qualified to inspect complex aeronautical and industrial parts. They can achieve the tight finish quality required by our most demanding customers.

They are also able to intervene after NDT processes to carry out local touch-ups while respecting your specifications.

→ **Materials:** Aluminum, Titanium, Steel, Inconel

→ **Operations:**

- Deburring
- Polishing
- Rotor finish
- Cavity Inspection
- Local surface rework
- Mirror finish

Our Unique Testing Capabilities for Aerospace, Defense, and Space

→ **Penetrant Testing:**

- Immersion / Pulverisation / Brushing
- Fluorescent Penetrant: S2 to S4

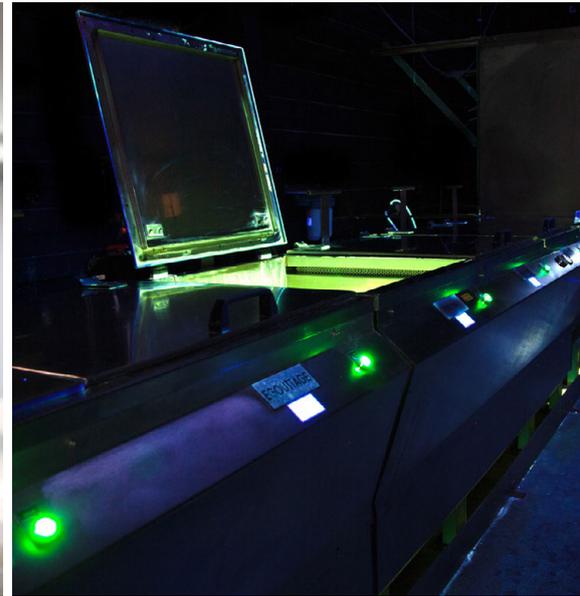
→ **Digital Radiography**

- X-Ray Bunker of 6x4x3 m (LxHxH)
- Up to 320 kV

→ **Tomography:**

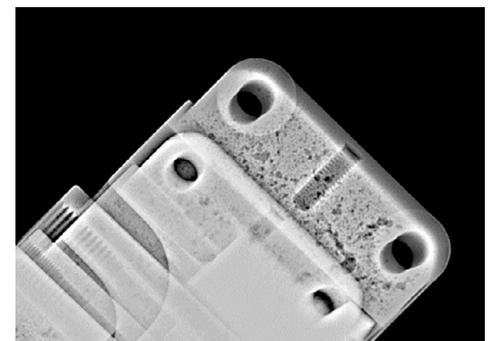
- Part Dimensions: 1.2 x 0.8 m (H x r)
- Up to 450 kV

→ **Other NDT capabilities:** Magnetic Testing / Eddy Current Testing / Ultrasonic Testing / Infrared Thermography Testing



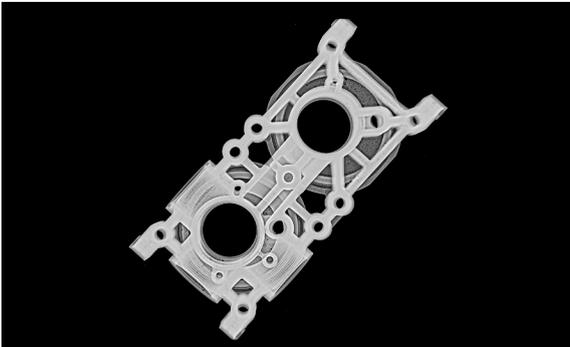
Use Case – Precision Casting for Aerospace Applications

In the **aerospace sector**, high-precision cast parts are subject to the most demanding reliability requirements. Non-destructive testing (NDT) is essential to ensure the integrity of these components. By combining dye penetrant inspection for detecting surface defects with X-ray or tomography inspection for volumetric flaws, MPP enables 100% coverage of the part. This **dual approach** ensures compliance with the strictest industry standards and delivers outstanding repeatability – critical for guaranteeing the reliability and safety of aerospace components. Thanks to the integration of finishing operations and NDT within the same facility, process lead times are significantly optimized.



MPP's capabilities

- Non-Destructive Testing Laboratory
 - Production parts
 - Expertise
- NDT Training Center
- Support on-site
- Computed tomography (CT)
- Digital radiography (RT)
- Shearography (ST)
- Thermography (IRT)
- Penetrant inspection (PT)
- Magnetic inspection (MT)
- Ultrasonic (UT)
- Eddy Current (ET)
- Visual inspection (VT)
- Etching



Contact Us for Tailored Expertise



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