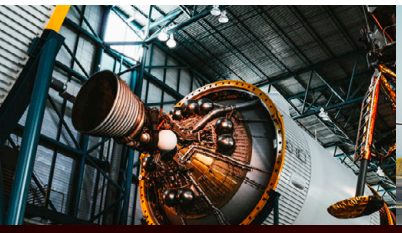
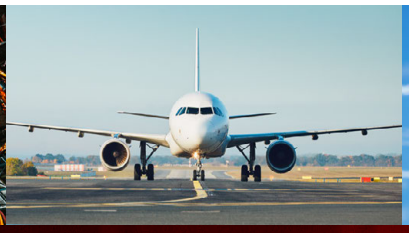
MPP

AERO & INDUSTRIAL SOLUTIONS

PARTNER OF ADDITIVE MANUFACTURERS

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

afaq EN/AS/JISQ 9100 Aéronautique AFNOR CERTIFICATION

Nadcap Administered by PRI ACCREDITED

Why Choose MPP?

High-level accreditations: EN9100 & Nadcap

Specific customer certifications/qualifications: partner of 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 processfor casting parts

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

MPP offers precision finishing services for additive manufacturing 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

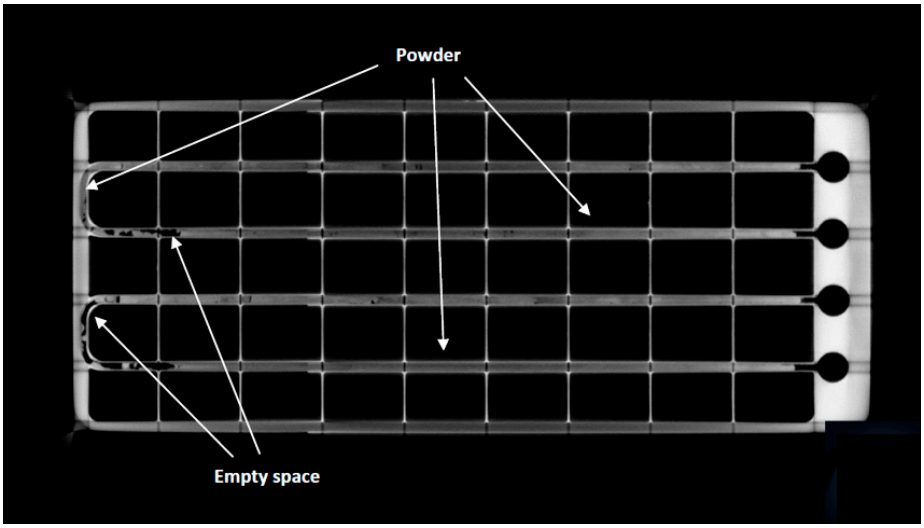
➔ **Digital Radiography**

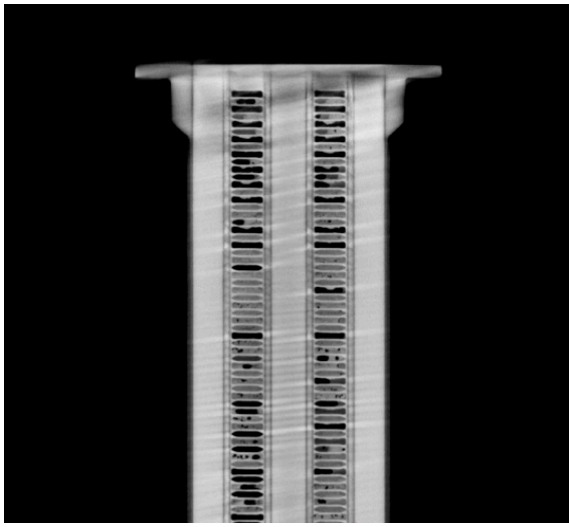
- X-Ray Bunker of 6x4x3 m (LxlxH)
- Up to 320 kV

➔ **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: Control of Heat Exchangers with Tomography

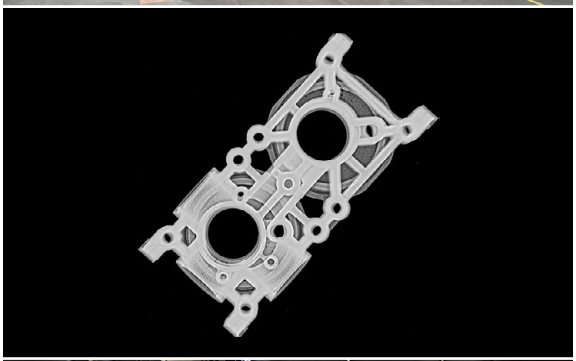
Tomography is ideal for inspecting heat exchangers manufactured by additive manufacturing, as it non-destructively reveals complex internal structures often inaccessible to other methods. During development, it validates compliance with specifications and helps optimize the design. In production, it ensures consistent quality by detecting porosities, cracks, and assembly defects with high precision, guaranteeing the reliability and performance of critical components.

➔ **Objective:** finshing and controlling complex additive parts.
➔ **Integrated process difference:** finishing, etching and non-destructive testing at the same place in short delays.

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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