

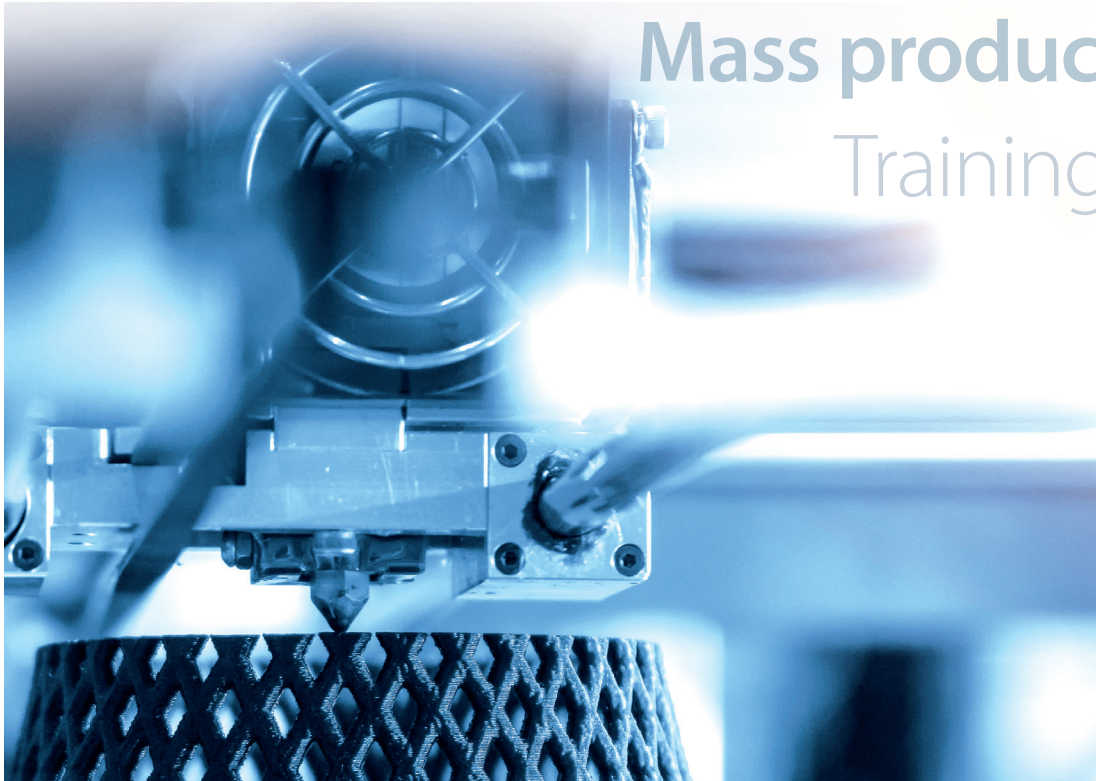
Metal Binder jetting

Characterisation

Wire Arc Additive Manufacturing

Mass production

Training



Industry 4.0

Metal additive manufacturing

As a core driver of industrial resilience, helping to secure the supply chain, accelerate go-to-market and manufacture critical components, additive manufacturing has continued to yield new applications and delivers effective solutions for emergency situations through its high flexibility and suitability for medium batch production.

Cetim can provide you with tailored support from the feasibility study through to mass production.





A COMPREHENSIVE PACKAGE OF SERVICES TO BUILD A RESILIENT INDUSTRIAL STRATEGY

1

IDENTIFY THE BENEFITS OF TECHNOLOGY FOR YOUR BUSINESS:

How to determine the potential of technology for your company ?

- **Technical and economic analysis** (macro-economic approach) and integration steps
- **Initiation** of your staff to Metal and Polymer processes

2

MANUFACTURE YOUR FIRST PARTS:

How to assess the various processes and redesign as part of an overall approach ?

- Evaluation of the various **materials** and **processes**
- Creation of **proofs of concept** on our platforms
- Identification of **part finishing and tests**
- **Training** regarding the design procedure, control of materials/process, and the post-processing applications to be implemented

3

INTEGRATE ADDITIVE MANUFACTURING WITHIN YOUR COMPANY:

Which key skills and components should form part of your operations ?

- **Engineering of the industrial plant:** selection of equipment, project management assistance and start-up support
- **Optimisation of the industrial process** and its economic profitability
- Introduction of appropriate **HSE solutions**
- Dedicated **training** programmes

4

QUALIFY YOUR PRODUCTS:

How to prove the capabilities of your products and processes to customers as well as qualify your products with decision makers ?

- **Studies** regarding the **statistical control** of processes, products and measuring equipment
- Assistance with preparing the **characterisation** plan
- Specific **qualification** procedures for the aerospace and medical markets
- Recommendation of suitable **surface cleanliness** processes
- **Training** in characterisation and testing methods

OUR STRENGTHS

- **French leader** of metallic additive manufacturing **with a central role** in technology development projects
- **Independent multi-sector expertise** of over 50 years spanning all metallic processes and materials
- **Matchless R&D capabilities** via our involvement in cross-cutting projects (AFH, I3D, Luppium) with the aim of knocking down technological barriers and standardising innovative processes (Metal binder jetting, MELD, etc.)
- **Shared technological platforms** to validate your POCs and secure your investments
- **5,000 m²** of unparalleled manufacturing and testing **resources** (digitisation and 3D simulation, topological optimisation, suitable post-processing and finishing resources, tomography, etc.)
- Participation in **French and international standard development organisations**
- Unequalled continuing **education** solutions in Europe offered by **Cetim Academy®** trainings

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