



EPIC Online Technology Meeting on 3D Printing  
Manuel Bertani  
OEB – AMT

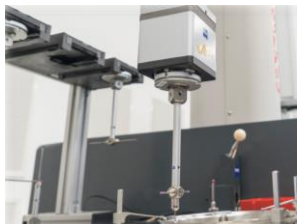


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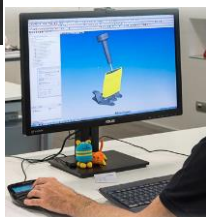
[www.oeb srl.it](http://www.oeb srl.it)

[www.amt-srl.com](http://www.amt-srl.com)

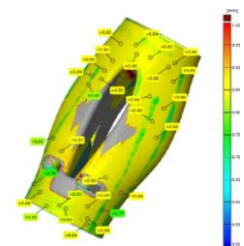
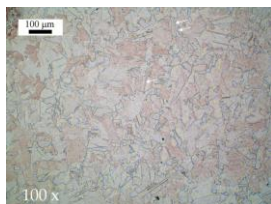
- 3D optical scanning
- CMM control



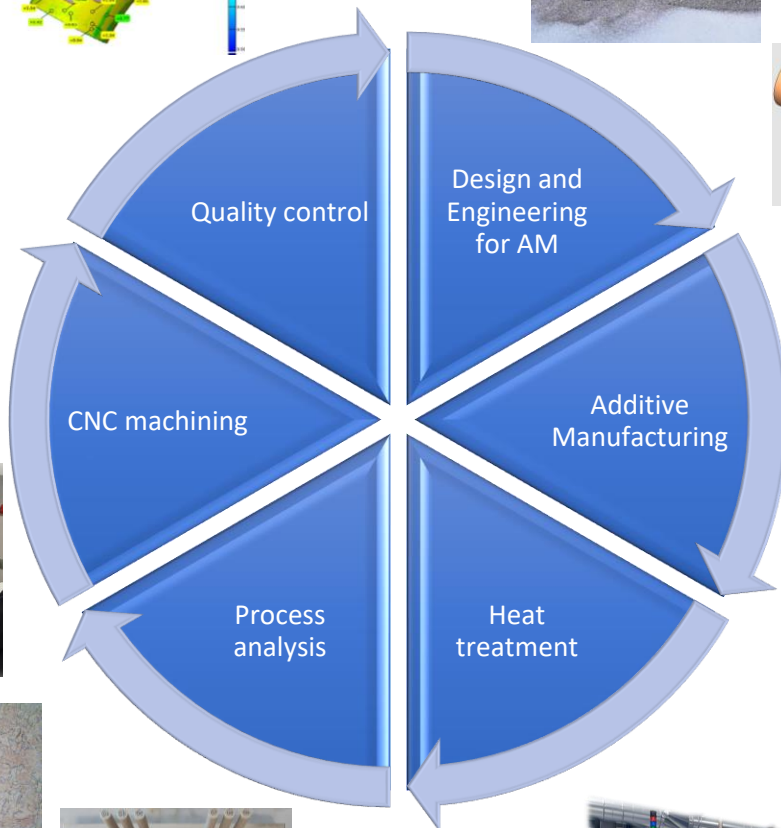
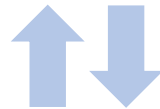
- CNC machining
- Turning
- Milling
- EDM
- Surface finishing



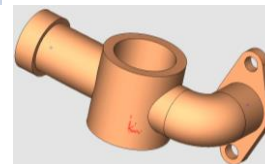
- Mechanical characterization
- Metallurgical analysis



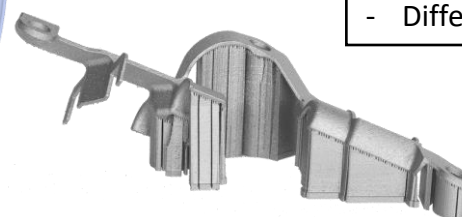
Customer



- Supports definitions
- Parts orientations
- Customer support for design for AM
- Design of stock material
- Definition of clamping system



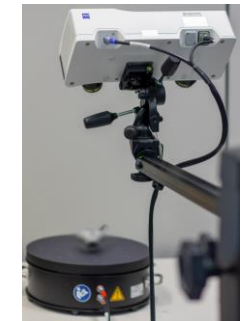
- Customizable sintering parameters
- Different materials available



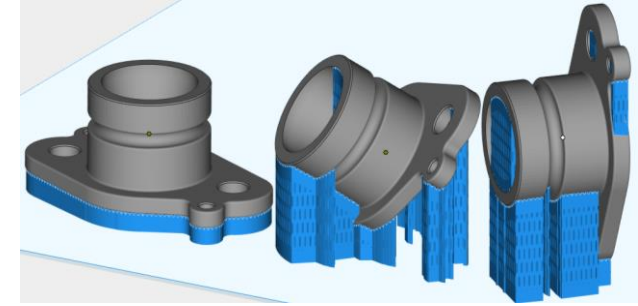
- Heat treatment
- Stress relieve
- Quenching and tempering
- Solubilization and aging







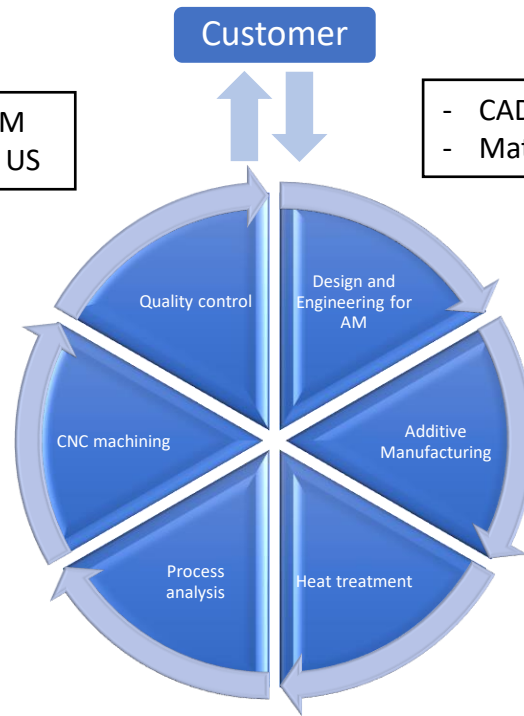
- N° 6 Zeiss CMM
- N° 1 Olympus US



- CAD design with CimatronE
- Materialise Magics



- N°11 5-axys milling centres
- N° 6 turning/milling multiaxis
- N° 6 CNC turning centres



- N° 3 EOS M290
- N°1 Concept M2 Cusing Dual Laser



- Tensile test
- Metallurgical analysis
- Hardness
- Density

- N°1 TAV H6-S
- N°1 TAV H6-T
- N°1 TAV WQ5



## Advantages of our company

### Single supplier for all the additive manufacturing process

- Integration of all process in a single company
- High efficiency
- Reduction of lead times

### High standard parts

- Complex geometries with AM
- Complex CNC machining with 5-axes machine
- Surface finishing

### Quality

- High quality standard over the all manufacturing process
- ISO 9001, ISO 9100 and ISO 13485 certified
- Quality and test certificates for all the parts and material used

-integrated solution for cad, support design and simulation

Simulation and support structure optimization

### Future Goals

In-Line process control

-automatic control during the printing process

Automation of the AM process

-Automation of powder and built plate handling to improve lead time and safety



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# Some question?

## Thanks for your attention!

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