## 3D metal printer

Powder bed laser beam melting system – SLM 280 HL





## Offer

- R&D: process development, process monitoring
- Tests: demonstrator parts manufacturing

## Our R&D work

- Process development: improvement of process impact on materials and parts made by powder bed laser beam melting
- Part performance assessment: characterization of process impact on fatigue mechanical behavior of parts
- Innovative design: development of technological bricks relating to DFAM methodology (Design For Additive Manufacturing) and topological optimization
- Certification: part certification methodology

## Characteristics

Build chamber lxLxh	278x278x325 mm <sup>3</sup>
Laser Power	400/1000 W, YLR – Faser-Laser
Operationnal beam focus	70-120 μm / 700 μm
Layer thickness	20-75 μm / 20-100 μm
Minimum wall thickness	150 μm / 1000 μm
Build speed	20 cm³/h - 35 cm³/h
Heating plate temperature	up to 200°C
Inert gas	Argon or Nitrogen
Materials covered	Stainless steel, Cobalt- Chromium, Aluminium, Titanium



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