

Delicate

Proven SLM quality for education,
tooling, energy and
automotive industries.



With a build envelope of
120 x 120 x 100 mm and 200/500 W laser,
the Delicate system provides a fast, flexible
and cost-effective production of metal parts.

- 💡 The stable and high-quality laser and optical system guarantee optimum, consistent processing conditions of high-quality builds.
- 🔍 Highly automated operation and maintenance workflow shorten personnel training schedule.
- ⚙️ Thanks to the modular design, setup and shutdown only take minutes. Changing material and maintenance can be done quickly.
- 💡 Extensive monitoring feature ensures highly consistent build process and part quality.
- 🔍 Self-cleaning filter system reduces maintenance and extends filter lifetime, significantly reducing filter costs.
- 💡 Intuitive user interface, flexible software tools and a variety of accessories fulfill production requirements.

JIMATIC

Delicate



Technical data

Build envelope: 120 x 120 x 100 mm

Laser: fiber laser, 1060-1070 nm, 200/500 W

Optics: F-theta-lens

Scanning speed: up to 7.0 m/s

Spot Size: less than 100 μm

Layer thickness: 10 μm ~ 100 μm

Baseplate preheat: up to 200 °C

Power requirement: 220V 3 phase, 40A, 60Hz

Inert gas supply: N₂ or Ar

(Building ~5L/min, Purging ~30 L/min)

Dimensions (W x D x H): 1,150 x 1,200 x 1,850 mm

Weight approx.: 850 kg



Software

WAP-SLM System,

WAP-BP Tools



Materials

Ti6Al4V, Inconel 718, Inconel 625,

Inconel HX, Maraging Steel,

Stainless Steel 316L, Stainless Steel 420,

Stainless Steel 17-4 PH, Cobalt Chrome, etc.



Optional

Materialise Magics RP,

Blasting cabinet, N₂ Generator

