

SLM 250

The All-Round Talent





ReaLizer in Action

SLM 250

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The ReaLizer SLM 250 was designed for all-round use – it is suited for laboratories as well as the industrial production of components.

The construction space measuring 250mm x 250mm x 300 mm accommodates the production of correspondingly sized components. The space within the processing area can also be utilized to stack several pieces on top of each other or next to each other and thus produce the maximum number of pieces. If a high piece output is the main focus of deployment in an industrial production process, the SLM 250 can also be out-fitted with a specifically high-capacity laser of up to 600 W. Minimum laser focus of the machine is 45 μm . Realizer also offers a fully automated sieving machine with powder extraction system, which optimally recycles the powder from the processing area. An exchangeable lens module is optionally available for applications requiring a higher level focus. This model may lower the available maximum construction space, but the laser beam can be focused to 20 μm to produce structures with high surface quality.

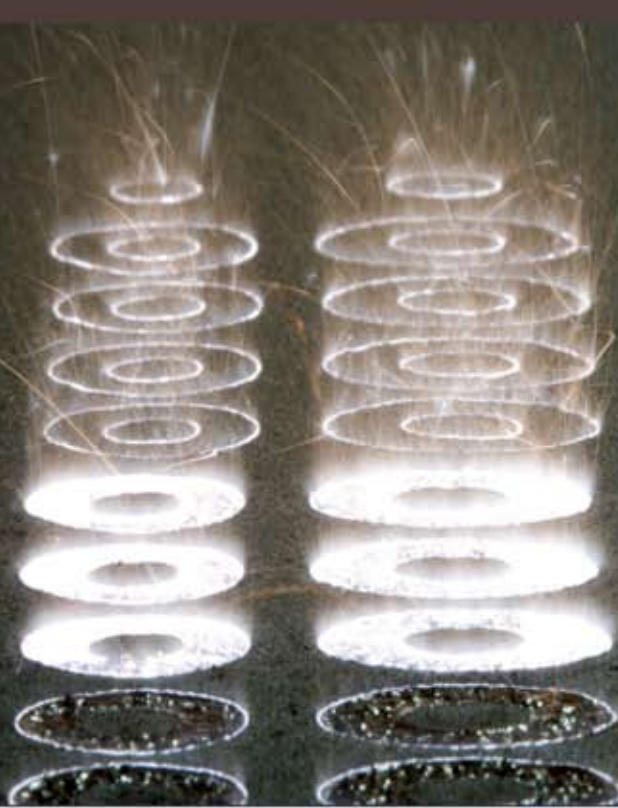




The sieving machine

The sieving machine by Realizer facilitates the optimal recycling of excess metal powder. The Realizer PS01 is a fully automated vibration sieving machine with processing area powder extraction system. Extraction, sieving and automatic return to a powder container take place in a fully inert gas atmosphere. The powder can then be directly returned into the work process.

With the stand alone vibration sieving machine Realizer PS02, the extracted excess metal powder can be filled into Realizer stainless steel powder bottles.



SLM 250 specifications

Construction volume 250 x 250 mm , maximum construction height 300 mm

Layer thicknesses 20-100 µm

Laser type Fibre laser 200, 400 or 600 W

Power supply 16 A, 400 V

Power input 2.5 kW

Argon consumption app. 70 litres/h

Dimensions W1800 x D1000 x H2200 mm w/o sieving machine

Weight 800 kg

Software ReaLizer control software

Materials Tool steel H13, titanium , titanium V4, aluminium, cobalt chrome, stainless steel 316 L, Inconel others on request

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