

## SLM<sup>®</sup>125HL



The new compact Selective Laser Melting System SLM<sup>®</sup> 125HL offers a build envelope of 125 x 125 x 75 (125 optional) mm. Economical and suitable for R&D as well as small lot production environments, the open software architecture and system parameters allows you to make modifications according to your specific production needs.



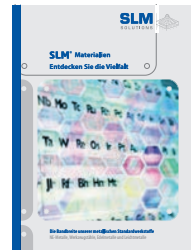
Achieve fast build speeds from the system's patented bi-directional loader movement. Internal recirculation of inert gas at laminar flow also provides for safe and cost-efficient gas consumption.



The SLM 125HL is equipped with software for importing CAD / STL data or slice data to configure the processes and component-specific parameters. Achieve greater system control by customizing your own construction processes through the unique, flexible and open software architecture.

The system is able to process most metals (such as Stainless Steels, Tool Steels, Cobalt Chrome, Aluminum, Inconel and Titanium) through a material saving, closed-loop powder handing unit. Changing the metal powder is quick, easy and designed to lower your production costs.

Further available options will also increase the versatility and multiple usability of the SLM 125HL.



### Metal powders

Please request our separate powder brochure

### System parameters\*

Build Envelope Volume in mm (x/y/z)	125 x125 x 75 (125 optional)
Length, z-axis in mm	135
Laser Power	400 W, Yb-Fiber-Laser
Build Speed	25 ccm/h
Pract. Layer Thickness	20 - 75 µm
Min. Scan Line / Wall Thickness	140 -160 µm
Operational Beam Focus	60 /70 - 90 µm
Scan Speed	10 m/s
Inert Gas Consumption in Operation	Ar/N <sub>2</sub> , 1.5 L/min
Inert Gas Consumption Venting	Ar/N <sub>2</sub> , 1000 L @ 100 L/min.
Compressed Air Requirement	ISO 8573-1, 12.5 L/min. @ 1.5 bar
Dimensions in mm (B x H x D)	1390 x 1900 (2400) x 920
Weight	approx. 700 kg
E-Connection / Consumption	400 Volt 3NPE, 32 A, 50/60 Hz, 4 KW

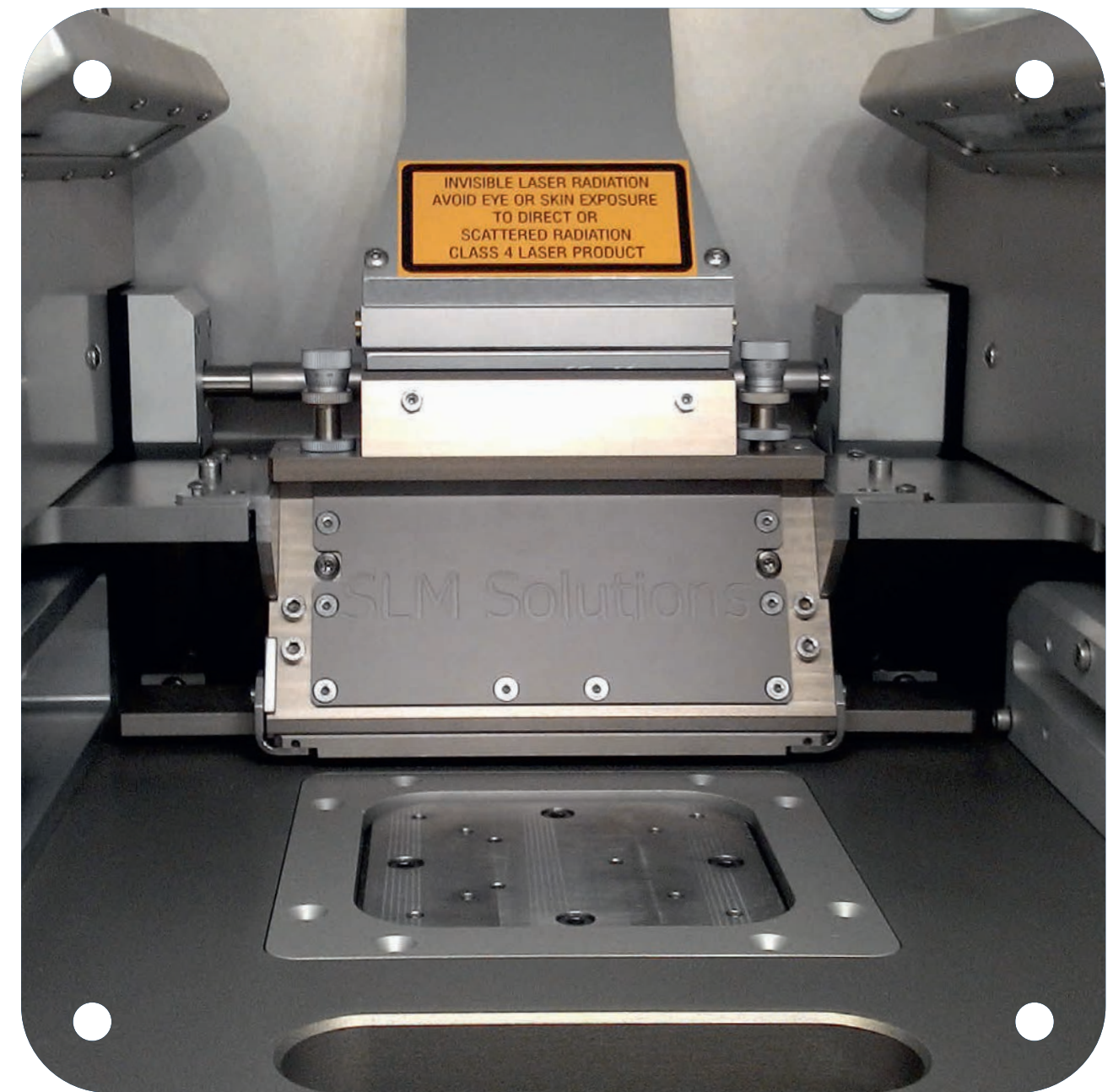
\*Subject to technical changes

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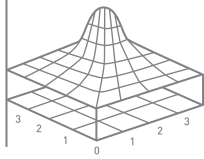
### Selective Laser Melting<sup>®</sup> System



**Best-in-class for speed, flexibility and safety**

Ideal for small- to medium-lot metal part prototypes and production

**SLM**  
SOLUTIONS



**GAIN GREATER CONTROL & COST-EFFICIENCY**

With a patented bi-directional loader, the Selective Laser Melting® System **SLM®125HL** is becoming the fastest system in its class. Cut your operational cost with the system's safe and efficient internal recirculation of inert gas at a laminar flow. Additionally, the open system and software architecture allows you to modify the machine parameters according to your production and/or R&D needs.

**SLM®125HL**