

TZ-SLM500A



The technical team of Techgine has made a breakthrough in the idea of existing single beam selective laser melting and is the first to propose four beams scanning in the world, which is a new method of additive manufacturing. It is able to achieve large size, high deposition efficiency and high precision while guaranteeing the quality of parts.

TZ-SLM500A is in the front ranking the world for its dimensions and efficiency of manufactured parts by SLM process. The machine owns the full set of intellectual property rights.



ADVANTAGE 1

First to propose four beams scanning worldwide, the perfect match of high efficiency and high precision

ADVANTAGE 3

Eco-friendly powder circulation system improving powder efficiency

ADVANTAGE 2

Outstanding forming quality with sophisticated air flow system

ADVANTAGE 4

Comprehensive monitoring with printing report auto-formed improving application experience

Machine specifications :

Machine size	6700 x 2500 x 4600 mm
Build size	500 x 500 x 1000 mm
Laser power	4 x 500 W or 4 x 1000 W fiber laser
Recoating mechanism	Bidirectional recoating
Build rate	80-200 cm ³ /h
Precision optics	± 0.05 mm
Focus diameter	100 μm
Oxygen level	≤ 100 ppm
Substrate pre-heating	200°C
Materials	Titanium / Aluminium / Stainless steel / High-strength steel, ...