BLT

Stock Code:688333.SH

Make Easier Manufacturing
Make a Better World

CE Safety Certification

Laser FDA Safety Registration

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

The system has passed
ATEX (Explosion Proof) Assessment

Metal Additive Manufacturing System

BLT-S815

"Manufacturing" with Sincerity

Selecting Great Component | Stable Full-substrate Printing | Multi-lasers to Build More Efficient | Large-size and High-quality Production | Optimization Iteration of Mature Platform

Multi-beam Lasers Splicing
The building quality of each area is consistent

Long-life Filtration System
Automatic blowback cleaning
Longevity of filter element

Self-adapting Powder Spreading Correction
Deep learning technology
Intelligent powder spreading and correction

More Scanning Strategies
Variable overlapping positions
Select different scanning strategies

Automatic Circulation of Powder
Powder closed-circulation processing system
Automatic recycling sieving and supply

Safe Handling of Powder
Handle full-height parts through pickup cabin with inert gas atmosphere
Multi-station for powder handling to ensure safety

Safe and Continuous Production
Easy and quick printing preparation
Automatic powder circulation in the printing process

Supporting Materials	Titanium Alloy, Aluminum Alloy, Superalloy, Stainless Steel, High-strength Steel
Build Dimension(1)	800mm×800mm×1500mm(W × D × H)
Wave Length	1060nm-1080nm
Laser Power	500W×6; 500W×8; 500W×10
Beam Quality	M^2 ≤1.1
Optics System	F-theta Lens
Maximum Scanning Speed	7m/s
Layer Thickness	20μm~100μm
Building Speed(2)	150cm³/h; 200cm³/h; 250cm³/h
Preheating Temperature	RT+20℃~100℃
Recoating	Single/Double-direction
Minimum Oxygen Content	≤100ppm
Gas Requirement	Ar
Power Requirement	≤25kW; ≤28kW; ≤31kW
Supply Voltage	AC380V 3Ph/N/PE
Dimension of the System(3)	7298mm×5030mm×4930mm（W×D×H）
Weight of the System	Approx. 27000kg
Software	Magics; BLT-BP; BLT-MCS

*The figure of the system is only for illustration, and the product is subject to actual sales.

Citations: (1)Excluding substrate thickness. (2)Dependent on part geometry, material and parameter set used.
(3)The height does not include the height of the maintenance guardrail. The dimension is only theoretical, the actual data is affected by the configuration, subject to the installation.
*The data is under the condition of BLT, and the data is subject to actual sales.

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BLT-S815 APPLICATION CASES

Rear Subframe

Material: Aluminum alloy

Size：1230mm×845mm×253mm

The part utilizes Bi-directional Evolutionary Structure Optimization (BESO) to achieve a great topological structure. The final part adopts a hollow lattice fill structure with a wall thickness of 3.5mm, which reduces the weight by 20% compared to the original hollow die-casting aluminum alloy solution, with improvements in both appearance and performance.

BLT-S815 INTELLIGENT MODULES

Standard Functions Hierarchical Fault Diagnosis/Process Data Traceability/Equipment Status Self-test/ Height Self-checking on Parts/Recoating Detection/3D Reconstruction

Optional Functions BLT-MCS Connect/BLT-MES System

BLT-S815 AUTOMATION SOLUTIONS

Powder Sieving Machine
BLT-SF400

Powder Collection Machine
BLT-WL400

Powder Supplying Machine
BLT-GF500

BLT-S815 CONSUMABLES AND POWDERS

Consumable

Scraper/Substrate

Powder

Titanium Alloy/Aluminum Alloy/Superalloy/Stainless Steel/High-strength Steel

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