goengineer

BLT

Stock Code:688333.SH

Make Easier Manufacturing
Make a Better World

Metal Additive Manufacturing System

BLT-S615

CE Safety Certification | Laser FDA Safety Registration | ATEX(Explosion Proof) Certification

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Sincerity and Striving, Climb Higher Step by Step

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-term Filtration System
Automatic blowback cleaning
Long filter life

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

More Scanning Strategy
Variable overlap position
Select different scanning strategy

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 cleaning to ensure safety

Safe and Continuous Production
Easy and quick printing preparation
Automatic powder circulation in the printing process cleaning to ensure safety

Supporting Materials	Titanium Alloy, Aluminum Alloy, Superalloy, Stainless Steel, High-strength Steel	
Build Dimension(1)	600mm×600mm×1500mm (W×D×H) 650mm×650mm×1300mm (W×D×H)	
Laser Power	500W×4	500W×6
Building Speed(2)	100cm³/h	150cm³/h
Power Requirement	≤22kW	≤23kW
Beam Quality	M^2<1.1	
Optics System	F-theta Lens	
Maximum Scanning Speed	7m/s	
Wave Length	1060nm-1080nm	
Layer Thickness	20μm~100μm	
Preheating Temperature	RT +20℃~100℃	
Recoating	Single/Double-direction	
Minimum Oxygen Content	≤100ppm	
Gas Requirement	Ar	
Supply Voltage	AC380V 3Ph/N/PE	
Dimension of the System(3)	6100mm×5280mm×5120mm (W×D×H) 6100mm×6000mm×5120mm (W×D×H)	
Weight of the System	Approx. 24000kg; Approx. 25000kg	
Software	Magics; BLT-BP; BLT-MCS	

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

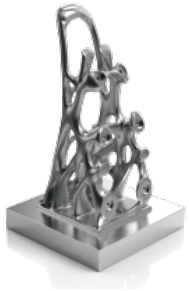
Citations: (1)Excluding substrate thickness. (2)Dependent on part geometry, material and parameter set used.
(3)The dimension does not include the height of tri-color indicator and the height is remarked separately. The dimension is only theoretical, the actual data is affected by the configuration,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

LinkedIn
Bright Laser Technologies-BLT

YouTube
Bright Laser Technologies

TikTok
@brightlaser.technologies

BLT-S615 APPLICATION CASES



Motocross Concept Frame

Material: Aluminum alloy

Size: 350mm×400mm×850mm

The part is a concept frame for the rear seat of an off-road motocross, optimized by topological design. It applies parametric design to simplify and select the best structural features, enabling the lightweight of the off-road motorcross while ensuring strength.

BLT-S615 INTELLIGENT MODULES

Standard Functions

Diagnosis Fault-grading/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-S615 AUTOMATION SOLUTIONS

Powder Sieving Machine
BLT-SF400

Powder Collection Machine
BLT-WL400

Powder Adding Machine
BLT-GF500

BLT-S615 CONSUMABLES AND POWDERS

Consumable

Scraper/Substrate

Powder

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