



Stock Code: 688333.SH



BLT-S1500

26 Lasers Ultra-large Format System

Safe and Continuous Production · Oversized Build Dimension
Pioneer in Multi-laser Manufacturing · Stably Full-substrate Printing
Automatic Circulation of Powder

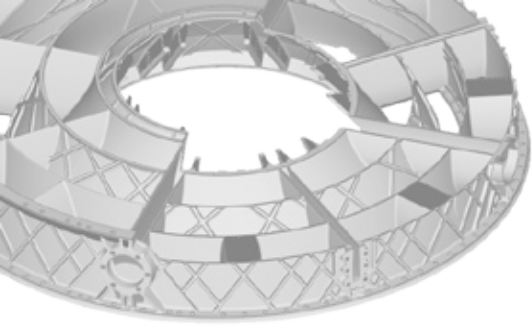


Laser FDA Safety
Registration



ISO9001:2015 / ISO14001:2015 / ISO45001:2018





ENGINEERING APPLICATION

BLT-S1500

APPLICATION INFORMATION

Dimension	Φ1360mm×205mm
Material	Titanium Alloy

SYSTEM INFORMATION

Supporting Materials	Titanium Alloy, Aluminum Alloy, Superalloy, Stainless Steel, High-strength Steel	Minimum Oxygen Content	≤100ppm
Build Dimension⁽¹⁾	1500mm×1500mm×1200mm (W×D×H)	Gas Requirement	Ar
Wave Length	1060nm~1080nm	Working Argon Consumption	10~15L/min@0.3MPa
Laser Power	500W×26	Maximum Power Requirement⁽³⁾	90kW
Beam Quality	$M^2 \leq 1.1$	Supply Voltage	AC380V 3Ph/N/PE
Optics System	F-theta Lens	Dimension of the System⁽⁴⁾	11000mm×6500mm×6700mm (W×D×H)
Maximum Scanning Speed	7m/s	Weight of the System	Approx. 75000kg
Layer Thickness	20μm ~100μm		
Building Speed⁽²⁾	900cm ³ /h		
Recoating	Single/Double-direction		

Citations: (1) Including 200mm thickness of substrate;
 (2) Dependent on part geometry, material and parameter set used.
 (3) System only, without powder circulation system
 (4) 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.



Safe and Continuous Production
 The whole machine is designed for safety and redundancy
 Safe handling of powder throughout the process

Oversized Build Dimension
 1500mm oversized parts are finely formed in integrated

Multi-laser Efficient Printing
 26 Laser synchronous and efficient scanning ensures consistent forming quality

Long-life Filtration System
 Parallel long-life filtration system
 Uninterrupted continuous production

Stable and Efficient Powder Spreading
 Efficient and dynamic variable speed powder spreading
 Intelligent powder spreading detection and correction

Abundant Scanning Policies
 Variable lap position
 Different scanning strategies are available

Easy and Convenient Operation
 Automatic powder circulation
 One-click preparation and station transfer

Equipment Utilization

BLT-S1500 INTELLIGENT MODULES

Standard Functions

Plant A

Optional Functions

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

BLT-MCS Connect BLT-MES System

Current

23.68%

Yesterday

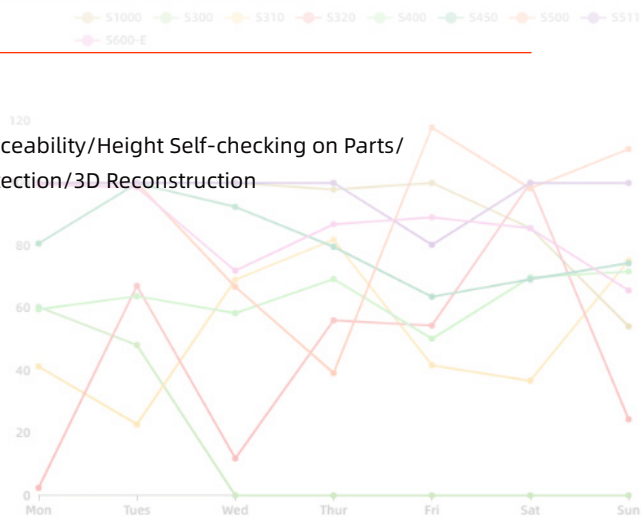
0.00%

This Week

23.58%

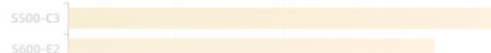
This Month

Machine & System Model Open Rate

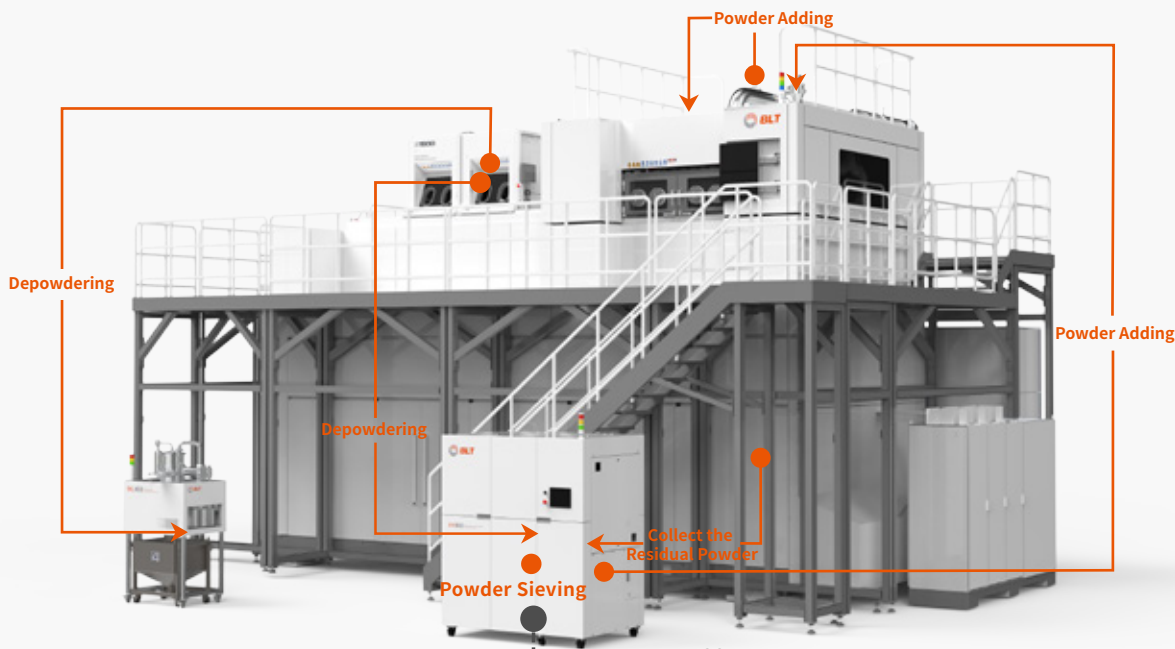


This month's machine & system Operation Status

Ranking of Mission Downtime



BLT-S1500 AUTOMATION SOLUTIONS



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

BLT-XH500
Highly Integrated · Low Consumption
High Efficiency · Small Footprint

BLT-S1500 CONSUMABLES AND POWDERS

Consumable

Scraper Substrate

Powder

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