

Metal Additive Manufacturing System

BLT-S815



ISO9001:2015 / ISO14001:2015 / ISO45001:2018

“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-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

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| 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⁾ | 150cm ³ /h; 200cm ³ /h; 250cm ³ /h |
| Preheating Temperature | RT +20°C~100°C |
| 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.

 **LinkedIn**
Bright Laser Technologies-BLT

 **YouTube**
Bright Laser Technologies

 **TikTok**
@brightlaser.technologies

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.