

Metal Additive Manufacturing System

BLT-S800

Multi-laser and Large-format Pillar System

Selecting Great
Component



Mass Application Validation
Iterative optimization of
mature product
Solution is constantly evolving

Stable Full-substrate
Printing



Multi-laser Efficient Forming
A variety of laser
quantities are available
Efficient and dynamic
recoating in double directions

Multi-lasers to Build
More Efficient



**Self-adapting Powder
Spreading Correction**
Deep learning technology
Automatic detection and
correction of powder deficiency

Large-size and
High-quality Production



Long-life Filtration System
Automatic backblow
cleaning
Long-life filter
ensures continuous use

More Valuable after
Multiple Tests



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

**Safe and Economical
Production**
Save gas and powder to
enhance economic efficiency
Inert gas protection makes
powder collection safer

Supporting Materials	Titanium Alloy, Aluminum Alloy, Superalloy, Stainless Steel, High-strength Steel, Tool Steel
Build Dimension ⁽¹⁾	800mm×800mm×650mm (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	≤30kW; ≤33kW; ≤36kW
Supply Voltage	AC380V 3Ph/N/PE
Dimension of the System ⁽³⁾	5650mm×4200mm×3850mm (W×D×H)
Weight of the System	Approx. 15350kg
Software	Magics; BLT-BP; BLT-MCS



*The figure of the machine 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)Including 100mm thickness of substrate. (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.