BLT

Stock Code:688333.SH

Make Easier Manufacturing
Make a Better World

Metal Additive Manufacturing Machine

BLT-S310/S320

Leading the Industry, All-around Flagship

CE Safety Certification

Laser FDA Safety Registration

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

The machine has passed ATEX (Explosion Proof) Assessment

Aerospace Quality Assurance | Stable Full-substrate Printing | Two Optics Configurations | Automatic Circulation of Powder | Uninterrupted Continuous Production

Batch Application Verification
Maturity and stability of machine operation

Two-way Intelligent Powder Spreading
Efficiency increases by 60%
Intelligent Powder Feeding

Long-life Filtration System
Safety & Longevity double guarantee

Self-adapting Powder Spreading Correction
Deep learning technology makes printing smarter

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

Supporting Materials	Titanium Alloy, Aluminum Alloy, Superalloy, Stainless Steel, High-strength Steel, Tool Steel, Copper Alloy
Build Dimension(1)	250mm×250mm×400mm（W × D × H）
Laser Power	500W; 500W×2
Wave Length	1060nm-1080nm
Layer Thickness	20μm~100μm
Maximum Scanning Speed	7m/s
Building Speed(2)	25cm³/h; 50cm³/h
Preheating Temperature	RT +20℃~200℃
Beam Quality	M^2 ≤1.1
Optics System	F-theta Lens
Recoating	Single/Double-direction
Minimum Oxygen Content	≤100ppm
Gas Requirement	Ar/N_2
Power Requirement	≤8kW; ≤11kW
Supply Voltage	AC380V 3Ph/N/PE
Machine Dimension(3)	3100mm×1200mm×2200mm（W × D × H） Height of Tri-color Indicator: Approx.410mm
Machine Weight	Approx. 2700kg
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

No.1000 Shanglinyuan Seventh Road, Hi-tech Zone, Xi'an City, Shaanxi Province, P.R.China 710000
+86-(0)29-88485673 ext. 8016/8017 sales.global@xa-blt.com www.xa-blt.com/en/

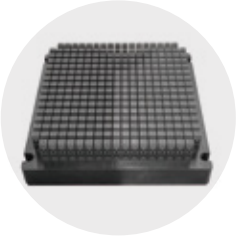
© 2024.10 All rights reserved by Xi'an Bright Laser Technologies Co., Ltd.

BLT

Stock Code:688333.SH

Make Easier Manufacturing
Make a Better World

BLT-S310/S320 APPLICATION CASES



Spinal Fusion Apparatus
(Exhibit)

Exhaust Nozzle

Impeller Disk

Aviation Joint

BLT-S310/S320 INTELLIGENT MODULES

Standard Functions	Hierarchical Fault Diagnosis/Real-time Status Monitoring/Process Data Traceability/ Recoating Detection/Video Monitoring
Optional Functions	Automatic Grafting/3D Reconstruction/BLT-MES System/BLT-MCS Connect

BLT-S310/S320 AUTOMATION SOLUTIONS

Powder Sieving Machine
BLT-SF400

Powder Collection Machine
BLT-WL200

Powder Supplying Machine
BLT-GF500

Depowdering Machine
BLT-QF400

BLT-S310/S320 CONSUMABLES AND POWDERS

Consumable	Scraper/Substrate
Powder	Titanium Alloy/Aluminum Alloy/Superalloy/Stainless Steel /High-strength Steel/Tool Steel/Copper Alloy

No.1000 Shanglinyuan Seventh Road, Hi-tech Zone, Xi'an City, Shaanxi Province, P.R.China 710000
+86-(0)29-88485673 ext. 8016/8017 sales.global@xa-blt.com www.xa-blt.com/en/

© 2024.10 All rights reserved by Xi'an Bright Laser Technologies Co., Ltd.