bechtle × BLT

Stock Code:688333.SH

Make Easier Manufacturing
Make a Better World

CE Certification

Laser FDA Safety Registration

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

The machine has passed
ATEX (Explosion Proof) Assessment

Metal Additive Manufacturing Machine

BLT-S400

Precision-crafted Structure, Robust Core Performance

Aerospace Quality Assurance | Stable Full-substrate Printing | High-quality Batch Production | A Variety of Build Dimension Options | Automatic Circulation of Powder

Batch Application Verification
Maturity and stability of machine operation

Multiple Lasers Available Double-direction and High-efficiency Dynamic Powder Spreading
Efficiency increases dramatically

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

Extreme Utilization of Space
occupying 30% less space multiplying benefits

Supporting Materials	Titanium Alloy, Aluminum Alloy, Superalloy, Stainless Steel, High-strength Steel, Tool Steel, Copper Alloy
Build Dimension(1)	450mm×300mm×400mm (W×D×H)
Laser Power	500W×2; 500W×3; 500W×4; 500W×6; 500W×8
Wave Length	1060nm-1080nm
Layer Thickness	20μm~100μm
Maximum Scanning Speed	7m/s
Building Speed(2)	50cm³/h; 75cm³/h; 100cm³/h; 150cm³/h; 200cm³/h
Preheating Temperature	RT+20℃~200℃
Beam Quality	$M^2 \leq 1.1$
Optics System	F-theta Lens
Recoating	Single/Double-direction
Minimum Oxygen Content	≤100ppm
Gas Requirement	Ar/N_2
Power Requirement	≤16kW; ≤18kW; ≤20kW; ≤26kW; ≤28kW
Supply Voltage	AC380V 3Ph/N/PE
Machine Dimension(3)	2800mm×1200mm×2350mm (W×D×H)
Machine Weight	2800kg
Software	Magics; BLT-BP; BLT-MCS; BLT-Bright PreBuilder



*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.

Bechtle Additive Manufacturing Deutschland GmbH, Bechtle Platz 1, 74172 Neckarsulm
+49 7132 34654 0
info.de@bechtle-am.com
www.bechtle-am.com

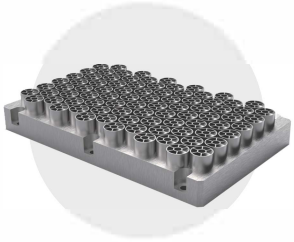
© 2024.10 All rights reserved by Xi'an Bright Laser Technologies Co., Ltd.

bechtle × BLT

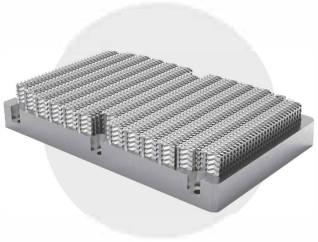
Stock Code:688333.SH

Make Easier Manufacturing
Make a Better World

BLT-S400 APPLICATION CASES



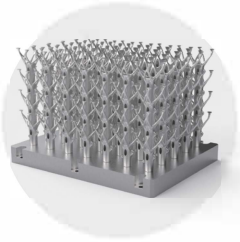
Full Substrate Swirler



Full Substrate Steel Sheet



Full Chamber Support Frame



Full Chamber Support

BLT-S400 INTELLIGENT MODULES

Standard Functions

Hierarchical Fault Diagnosis/Real-time Status Monitoring/Process Data Traceability /Recoating Detection

Optional Functions

BLT-MCS Connect/BLT-MES System/BLT-AutoCAL/Automatic Grafting /Temperature Field Monitor/Video Monitoring

BLT-S400 AUTOMATION SOLUTIONS



Powder Sieving Machine
BLT-SF400



Powder Collection Machine
BLT-WL200



Powder Supplying Machine
BLT-GF500



Depowdering Machine
BLT-QF400

BLT-S400 CONSUMABLES AND POWDERS

Consumable

Recoater/Substrate

Powder

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

Bechtle Additive Manufacturing Deutschland GmbH, Bechtle Platz 1, 74172 Neckarsulm

+49 7132 34654 0 info.de@bechtle-am.com www.bechtle-am.com

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