BLT

Stock Code:688333.SH

goengineer

Metal Additive Manufacturing Machine

BLT-S210

CE Safety Certification

Laser FDA Safety Registration

ATEX (Explosion Proof) Certification

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Brilliant Research Tool for R&D Users

Forming a Variety of Special Materials | R&D Superior Options | Multiple Universities Recognizing | Comprehensive Quality Control | More Customized Solutions

High-end Core Components
Stable & reliable
From international brands

Intelligence Software
Real-time and traceable monitoring

Modular Design Open Layout
More convenient operation and maintenance

All Process Parameters are Open
294 parameters can be edited

Multiple Safety Interlocking
Safety guarantee for human & machine

The Oxygen Content can be Controlled Below 10ppm
More materials can be formed

Supporting Materials	Titanium Alloy, Aluminum Alloy, Superalloy, Cobalt Chromium Alloy, Tantalum, Silver, Stainless Steel, High-strength Steel, Tool Steel, Copper Alloy, Tungsten Alloy, Magnesium Alloy
Build Dimension(1)	105mm×105mm×200mm (W×D×H)
Laser Power	500W
Wave Length	1060nm~1080nm
Layer Thickness	20μm~100μm
Maximum Scanning Speed	7m/s
Building Speed(2)	15cm³/h
Preheating Temperature	RT+20℃~350℃
Beam Quality	$M^2 < 1.1$
Optics System	F-theta Lens
Recoating	Single Variable Speed Recoating System
Minimum Oxygen Content	≤100ppm
Gas Requirement	Ar/N_2
Power Requirement	≤5kW
Supply Voltage	AC220V 1Ph/N/PE
Machine Dimension(3)	1300mm×1000mm×1850mm (W×D×H) Height of Tri-color Indicator: Approx.380mm
Machine Weight	Approx. 900kg
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.

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BLT-S210 APPLICATION CASES

Tianium Alloy
Flexible Structure

Magnesium Alloy
Porous Orthopedic
Implant （Exhibit）

Co-Cr-Mo Alloy
Femoral Condyle（Exhibit）

Bronze
He Zun

BLT-S210 INTELLIGENT MODULES

Standard Functions	Diagnosis Fault-grading/ Real-time Status Monitoring/ Process Data Traceability
Optional Functions	Smaller Research Platform Module/Recoating Detection/ 3D Reconstruction/ Laser Power Upgrade Solution

BLT-S210 CONSUMABLES AND POWDERS

Consumable

Scraper/Substrate
/Filter Element

Powder

Titanium Alloy/Aluminum/Superalloy/Cobalt Chromium Alloy/Tantalum/Silver/
Stainless Steel/High-strength Steel/Tool Steel/Copper Alloy/Tungsten Alloy/Magnesium Alloy

UNIVERSITIES WHO CHOSE BLT-S210

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