BLT

Stock Code:688333.SH

Make Easier Manufacturing
Make a Better World

Metal Additive Manufacturing Machine

BLT-A300/A320

Continuous and Economic Production

CE Safety Certification | Laser FDA Safety Certification | ATEX (Explosion Proof) Certification

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Stable Full-substrate Printing | High-accuracy and High-quality Production | A Variety of Application Scenarios | Four Optics Configurations | Low Consumption and High Efficiency

Variable Speed Adaptive Powder Spreading
Intelligent powder saving & printing efficiency UPPING

Powder-worker Separated in the Whole Process
Equipped with industrial glove box
Guarantee personnel occupational health

Saving Powder and Gas More Economical
Significantly lower operating costs

Long-life Filtration System
Safety & Longevity double guarantee

BLT-MES System Upgraded Available
Centralized management
Intelligent interconnection

Automatic Grafting Upgraded Available
Full substrate efficient processing
Guarantee high precision

Supporting Materials	Titanium Alloy, Aluminum Alloy, Superalloy, Cobalt-chromium Alloy, Stainless Steel, High-strength Steel, Tool Steel, Copper Alloy
Build Dimension(1)	250mm×250mm×300mm(W × D × H)
Laser Power	500W/1000W; 500W×2/1000W×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 Variable Speed Recoating System
Minimum Oxygen Content	≤100ppm
Gas Requirement	Ar/N_2
Power Requirement	≤11kW; ≤12.5kW
Supply Voltage	AC380V 3Ph/N/PE
Machine Dimension(3)	2800mm×1200mm×2200mm (W × D × H) Height of Tri-color Indicator: Approx.400mm
Machine Weight	Approx. 2200kg
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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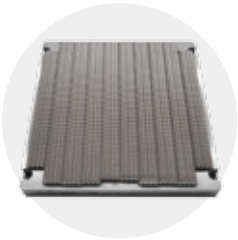
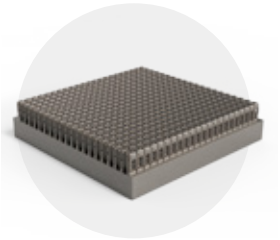
BLT-A300/A320 APPLICATION CASES

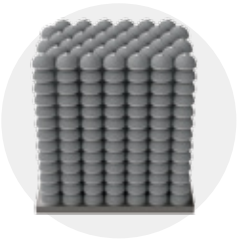
Full Substrate
Heating Nozzle



Full Substrate
Tire Mold Insert



Full Substrate
Spinal Fusion Apparatus
(Exhibit)



Full Substrate
Acetabular Cup
(Exhibit)

BLT-A300/A320 INTELLIGENT MODULES

Standard Functions

Diagnosis Fault-grading/Real-time Status Monitoring/Process Data Traceability

Optional Functions

Automatic Grafting/BLT-MES System/Recoating Detection/
Smaller Research Platform Module

BLT-A300/A320 AUTOMATION SOLUTIONS

Powder Sieving Machine
BLT-SF400

Powder Collection Machine
BLT-WL200

Depowdering Machine
BLT-QF400

BLT-A300/A320 CONSUMABLES AND POWDERS

Consumable

Scraper/Substrate

Powder

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

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