



Stock Code: 688333.SH

Make Easier Manufacturing
Make a Better World

Metal Additive Manufacturing Machine

BLT-A300/A320



ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Continuous and Economic Production

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⁾	25cm ³ /h; 50cm ³ /h
Preheating Temperature	RT +20°C~200°C
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

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.



*The figure of the machine is only for illustration,
and the product is subject to actual sales.

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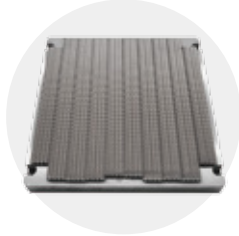
🌐 www.xa-blt.com/en/

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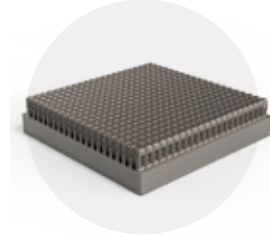
> BLT-A300/A320 APPLICATION CASES



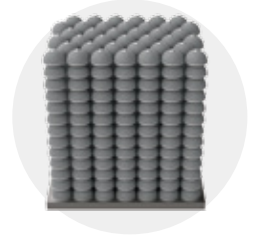
Full Substrate
Heating Nozzle



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