bechtle × BLT

Stock Code:688333.SH

Make Easier Manufacturing
Make a Better World

Metal Additive Manufacturing Machine

BLT-A160

Small Parts Batch Production Platform

CE Certification

Laser FDA Safety Registration

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

The machine has passed ATEX (Explosion Proof) Assessment

Double Lasers Make Efficient Production | High-accuracy & Superior Production | Stable Operation with Aerospace Quality | Lower Cost for Machine Maintenance | Mass Production with Safety Design

Efficient Production
Double beams make double efficiency

Substrate without Screws
Faster loading & time saving

Single-direction Variable Speed Powder Spreading
Maximize machine utilization

Multiple Safety Interlocking
Safety guarantee for human & machine

Intelligent Software
Real-time monitoring with traceability

Supporting Materials	Titanium Alloy, Superalloy,Cobalt Chromium Alloy,Aluminum Alloy, Stainless Steel, High-strength Steel, Tool Steel
Build Dimension(1)	160mm×160mm×200mm (W × D × H)
Laser Power	500W; 500W×2
Wave Length	1060nm-1080nm
Layer Thickness	20μm~100μm
Maximum Scanning Speed	7m/s
Building Speed(2)	Approx. 15cm³/h; Approx. 30cm³/h
Optics System	F-theta Lens
Beam Quality	$M^2 \leq 1.1$
Recoating	Single-direction Variable-Speed Powder Spreading
Minimum Oxygen Content	≤100ppm
Gas Requirement	Ar/N_2
Power Requirement	≤5kW; ≤7.5kW
Supply Voltage	AC220V 1Ph/N/PE
Machine Dimension(3)	1110mm×910mm×1810mm (W × D × H) Height of Tri-color Indicator:Approx.380mm
Machine Weight	840kg
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.

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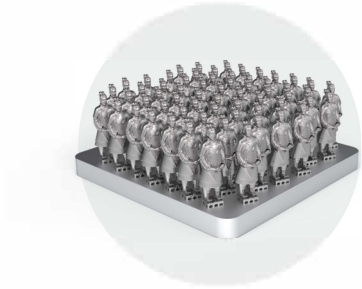
BLT-A160 APPLICATION CASES



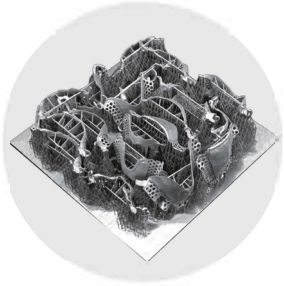
Full-substrate Terra-cotta Warriors Desktop Ornaments



Full-substrate Bottle Opener



Full-substrate Rollerball Pen



Full-substrate Cobalt Chromium Alloy Oral Stent



Full-substrate Cobalt Chromium Alloy Dental Crown



Full-substrate Titanium Alloy Oral Stent

BLT-A160 INTELLIGENT MODULES

Standard Functions Hierarchical Fault Diagnosis/Multiple Safety Interlock Mechanism/Real-time Status Monitoring

Optional Functions BLT-MCS Connect

BLT-A160 SUPPORTING CONSUMABLE

Consumable

Recoater/Substrate/Filter Element

Powder

Titanium Alloy, Superalloy,Cobalt Chromium Alloy,Aluminum Alloy, Stainless Steel, High-strength Steel, Tool Steel

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