

## Metal Additive Manufacturing Machine

# BLT-A160

### Small Parts Batch Production Platform



ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Double Lasers  
Make Efficient  
Production

High-accuracy  
& Superior  
Production

Equivalent to  
Aviatic Quality  
Level

Lower Cost for  
Machine  
Maintenance

24-hour  
Unattended  
Operation



**Efficient Production**  
Double beams make  
double efficiency



**Substrate without Screw**  
Faster loading  
& time saving



**Variable speed  
powder spreading**  
Maximize machine  
utilization



**Back Blowing Filter**  
Continuous work  
Uninterrupted production



**Intelligent Software**  
Real-time and  
traceable monitoring

Supporting Materials	Titanium Alloy, Stainless Steel, Superalloy, Cobalt Chromium Alloy
Build Dimension <sup>(1)</sup>	160mm×160mm×200mm (W × D × H)
Laser Power	200W/500w; 200W/500W×2
Wave Length	1060nm-1080nm
Layer Thickness	20µm~100µm
Maximum Scanning Speed	7m/s
Building Speed <sup>(2)</sup>	Approx. 15cm <sup>3</sup> /h; Approx. 30cm <sup>3</sup> /h
Preheating Temperature	RT +20°C/RT +20~200°C
Optics System	F-theta Lens
Beam Quality	M <sup>2</sup> <1.1
Recoating	Variable Speed Recoating System
Minimum Oxygen Content	≤100ppm
Gas Requirement	Ar/N <sub>2</sub>
Power Requirement	≤5.5kW; ≤7kW
Supply Voltage	AC220V 1Ph/N/PE
Machine Dimension <sup>(3)</sup>	1450mm×1050mm×2150mm (W × D × H) Height of Tri-color Indicator: Approx.380mm
Machine Weight	Approx. 1100kg
Software	Magics; BLT-BP; BLT-MCS; Exclusive Data Processing Software for Dentistry



\*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.

## ➤ BLT-A160 APPLICATION CASES



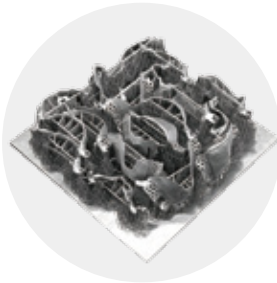
Terra-cotta Warriors  
Desktop Ornaments



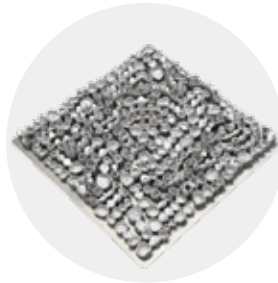
Bottle Opener



Rollerball Pen



Cobalt Chromium Alloy Oral Stent



Cobalt Chromium Alloy  
Dental Crown



Titanium Alloy Oral Stent

## ➤ BLT-A160 INTELLIGENT MODULES

### Standard Functions

Diagnosis Fault-grading/Multiple Safety Interlocking Mechanism/Real-time Status Monitoring

### Optional Functions

BLT-MES System

## ➤ BLT-A160 SUPPORTING CONSUMABLE

### Consumable

Scraper/Substrate/Back Blowing Filter Element

### Powder

Titanium Alloy/Stainless Steel/Superalloy/Cobalt Chromium Alloy