



Stock Code: 688333.SH

Make Easier Manufacturing
Make a Better World

Metal Additive Manufacturing Machine

BLT-A160

Small Parts Batch Production Platform



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



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, Stainless Steel, Superalloy, Cobalt Chromium Alloy
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. 15cm ³ /h; Approx. 30cm ³ /h
Optics System	F-theta Lens
Beam Quality	M ² ≤ 1.1
Recoating	Synchronized Recoating with Variable Speed
Minimum Oxygen Content	≤ 100ppm
Gas Requirement	Ar/N ₂
Power Requirement	≤ 3.5kW; ≤ 5kW
Supply Voltage	AC220V 1Ph/N/PE
Machine Dimension ⁽³⁾	1350mm×950mm×1950mm (W × D × H) Height of Tri-color Indicator: Approx. 380mm
Machine Weight	Approx. 970kg
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.

LinkedIn
Bright Laser Technologies-BLT

YouTube
Bright Laser Technologies

TikTok
@brightlaser.technologies

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.

📍 No.1000 Shanglinyuan Seventh Road, Hi-tech Zone, Xi'an City, Shaanxi Province, P.R.China 710000

☎ +86-(0)29-88485673 ext. 8016/8017

✉ sales.global@xa-blt.com

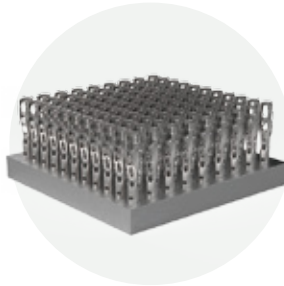
🌐 www.xa-blt.com/en/

© 2024.10 All rights reserved by Xi'an Bright Laser Technologies Co., Ltd.

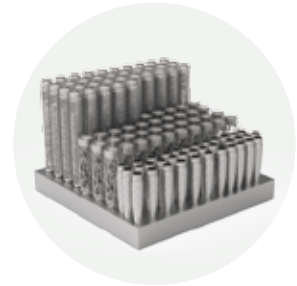
➤ BLT-A160 APPLICATION CASES



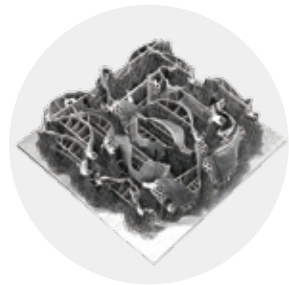
Terra-cotta Warriors
Desktop Ornaments



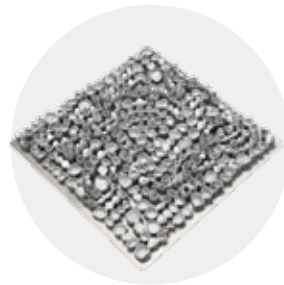
Full-substrate Bottle Opener



Full-substrate Rollerball Pen



Cobalt Chromium Alloy Oral Stent



Cobalt Chromium Alloy
Dental Crown



Titanium Alloy Oral Stent

➤ BLT-A160 INTELLIGENT MODULES

Standard Functions

Hierarchical Fault Diagnosis/Multiple Safety Interlock 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