



Stock Code: 688333.SH

MAKE EASIER MANUFACTURING  
MAKE A BETTER WORLD

# Metal Additive Manufacturing Machine BLT-S210



ISO9001:2015 / ISO14001:2015 / ISO45001:2018

## Brilliant Research Tool for R&D Users

Forming a Variety  
of Special Materials

R&D Superior  
Options

Multiple Universities  
Recognizing

Comprehensive  
Quality Control

More Customized  
Solutions



**High-end Core Components**  
Stable & reliable:  
From international brands



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



**Modular Design  
Open Layout**  
More convenient operation  
and maintenance



**All Process  
Parameters are Open**  
294 parameters  
can be edited



**Multiple Safety  
Interlocking**  
Safety guarantee for  
human & machine



**The Oxygen Content is  
Controlled Below 10ppm**  
More materials can  
be formed

Supporting Materials	Titanium Alloy, Aluminum, Superalloy, Cobalt Chromium Alloy, Tantalum, Silver, Stainless Steel, High-strength Steel, Tool Steel, Copper Alloy, Tungsten Alloy, Magnesium Alloy
Build Dimension <sup>(1)</sup>	105mm×105mm×200mm (W×D×H)
Laser Power	500W
Wave Length	1060nm~1080nm
Layer Thickness	20μm~100μm
Maximum Scanning Speed	7m/s
Building Speed <sup>(2)</sup>	15cm <sup>3</sup> /h
Preheating Temperature	RT+20°C~350°C
Beam Quality	M <sup>2</sup> < 1.1
Optics System	F-theta Lens
Recoating	Single Variable Speed Recoating System
Minimum Oxygen Content	≤100ppm
Gas Requirement	Ar/N <sub>2</sub>
Power Requirement	≤5kW
Supply Voltage	AC220V 1Ph/N/PE
Machine Dimension	1300mm×1000mm×1850mm (W×D×H)
Machine Weight	Approx. 900kg
Software	Magics; BLT-BP; BLT-MCS



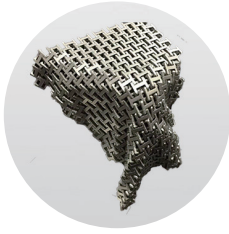
Citations: (1)Excluding substrate thickness; (2)Dependent on part geometry, material and parameter set used.



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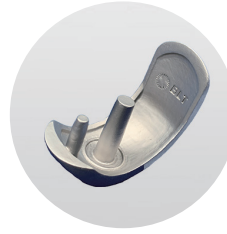
## BLT-S210 APPLICATIONS



Titanium Alloy  
Flexible Structure



Magnesium Alloy  
Porous Orthopedic  
Implant (Exhibit)



Co-Cr-Mo Alloy  
Femoral Condyle (Exhibit)



Bronze  
He Zun

## BLT-S210 INTELLIGENT MODULES

### Standard Functions

Self-diagnosis Fault-grading/Real-time Monitoring of the Printing Process  
/Full Printing Process Traceability

### Optional Functions

Smaller Research Platform Module/Laser Power Upgrade Solution

## BLT-S210 CONSUMABLES AND POWDERS

### Consumable

Scraper/Substrate  
/Filter Element

### Powder

Titanium Alloy/Aluminum/Superalloy/Cobalt Chromium Alloy/Tantalum/Silver/  
Stainless Steel/High-strength Steel/Tool Steel/Copper Alloy/Tungsten Alloy/Magnesium Alloy

## UNIVERSITIES WHO CHOSE BLT-S210

