



Stock Code: 688333.SH

MAKE EASIER MANUFACTURING
MAKE A BETTER WORLD

Metal Additive Manufacturing System

BLT-S450/S450T/S450Q



CE Safety
Certification



Laser FDA Safety
Certification



ATEX (Explosion Proof)
Certification



ISO9001:2015 / ISO14001:2015 / ISO45001:2018

One Step Ahead, Aimed at the Future

Selecting Excellent
Components

Stable Full-substrate
Printing

24-hour Unattended
Operation

Large-size and High-
quality Production

More Intelligent
Solutions



**3 kinds of Building Dimension
2 kinds of Laser Power Options**
Suitable for different
manufacturing scenarios



**Multi-beam Lasers
Seamless Splicing**
The building quality
of each area is consistent



Hard Scraper
Fixed layer thickness
Adhere to the quality



**Self-adapting Powder
Spreading Correction**
Deep learning technology
makes printing smarter



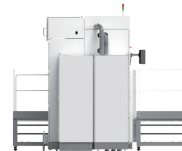
**Permanent Filtration
System**
Filter's life lasts
for 10 years



Powder Supply System
Automatic powder adding
uninterrupted production

Supporting Materials	Titanium Alloy, Aluminum, Superalloy, Stainless Steel, High-strength Steel, Tool Steel
Build Dimension ⁽¹⁾	400mm×400mm×500mm(W × D × H)(BLT-S450) 400mm×450mm×500mm(W × D × H)(BLT-S450T) 450mm×450mm×500mm(W × D × H)(BLT-S450Q)
Laser Power	500W; 500W×2; 500W×4
Wave Length	1060nm-1080nm
Layer Thickness	20μm~100μm
Maximum Scanning Speed	7m/s
Building Speed ⁽²⁾	25cm ³ /h; 50cm ³ /h; 100cm ³ /h
Preheating Temperature	RT +20°C~100°C
Beam Quality	M ² <1.1
Optics System	F-theta Lens
Recoating	Single/Double Recoating System
Minimum Oxygen Content	≤100ppm
Gas Requirement	Ar
Power Requirement	≤10kW; ≤12kW; ≤15kW
Supply Voltage	AC380V 3Ph/N/PE
Dimension of the System	6100mm×4050mm×3400mm(W×D×H)
Weight of the System	Approx. 14500kg
Software	Magics; BLT-BP; BLT-MCS

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

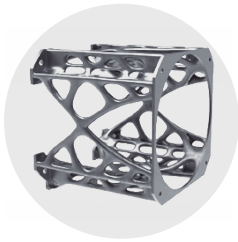




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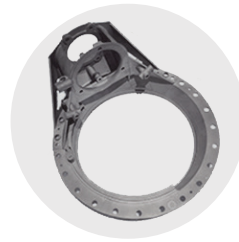
➤ BLT-S450/S450T/S450Q APPLICATIONS



Endframe
Foundation



Heat
Exchanger



Central Gear
Drive Housing



Blow Molding
Bottle Mold

➤ BLT-S450/S450T/S450Q INTELLIGENT MODULES

Standard Functions

Self-diagnosis Fault-grading/Full Printing Process Traceability/Powder Spreading Quality Control/3D Reconstruction

Optional Functions

BLT-MCS Third-party Interconnection/BLT-MES System

➤ BLT-S450/S450T/S450Q AUXILIARY MACHINES



Powder Sieving Machine
BLT-SF800



Powder Collection Machine
BLT-WL400



Powder Cleaning Machine
BLT-QF600



Powder Adding Machine
BLT-GF300

➤ BLT-S450/S450T/S450Q CONSUMABLES AND POWDERS

Consumable

Scraper/Substrate

Powder

Titanium Alloy/Aluminum/Superalloy/Stainless Steel
/High-strength Steel/Tool Steel