



Metal Additive Manufacturing System

BLT-S510/S515







CE Safety Certification

Laser FDA Safety Certification

ATEX (Explosion Proof) . Certification



ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Breakthrough Build Limit, Aim for the Highest

Selecting Great Components

Stable Full-substrate Printing

24-hour Unattended Operation

Large-size and High-quality Production

More Valuable after **Multiple Tests**



Batch Application Verification Maturity and stability of system operation



Large Build Dimension Precision forming of parts within 500mm



Multi-heam Lasers Splicing The building quality of each area is



Hard Scraper Fixed laver thickness Adhere to the quality



Permanent Filtration System Automatic blowback cleaning ong filter life

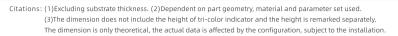


Self-adapting Powder Spreading Correction Deep learning technology makes printing smarter



Powder Supply System Automatic powder adding Uninterrupted production

	consistent Lo
Supporting Materials	Titanium Alloy, Aluminum Alloy, Superalloy, Stainless Steel, High-strength Steel, Tool Steel
Build Dimension ⁽¹⁾	500mm×500mm×1000mm (W×D×H) (BLT-S510) 500mm×500mm×1500mm (W×D×H) (BLT-S515)
Laser Power	500W×4; 500W×6
Wave Length	1060nm-1080nm
Layer Thickness	20μm~100μm
Maximum Scanning Speed	7m/s
Building Speed ⁽²⁾	100cm³/h; 150cm³/h
Preheating Temperature	RT +20°C~100°C
Beam Quality	M ² <1.1
Optics System	F-theta Lens
Recoating	Single/Double-direction
Minimum Oxygen Content	≤100ppm
Gas Requirement	Ar
Power Requirement	≤12kW; ≤15kW
Supply Voltage	AC380V 3Ph/N/PE
Dimension of the System ⁽³⁾	5540mm×5600mm×3800mm (W×D×H) (BLT-S510) 6240mm×5072mm×4056mm (W×D×H) (BLT-S515) Height of Tri-color Indicator: Approx.410mm
Weight of the System	Approx. 11500kg(BLT-S510) Approx. 21500kg(BLT-S515)
Software	Magics; BLT-BP; BLT-MCS









BLT-S510/S515 APPLICATIONS



Aero-Engine Fan Blades



Fan Blade Hemming



Fan Blade



Hydrazine Bottle Adapter

BLT-S510/S515 INTELLIGENT MODULES

Standard Functions

Diagnosis Fault-grading/Process Data Traceability/Height Self-checking on Parts/ Powder Spreading Quality Control/3D Reconstruction

Optional Functions

BLT-MCS Connect/BLT-MES System

▶ BLT-S510/S515 AUTOMATION SOLUTIONS



Powder Sieving Machine BLT-SF800



Powder Collection Machine BLT-WL400



Powder Adding Machine BLT-GF300

DESCRIPTION BLT-S510/S515 CONSUMABLES AND POWDERS

Consumable

Powder

Scraper/Substrate

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

