



Expert on Metal 3D Printing

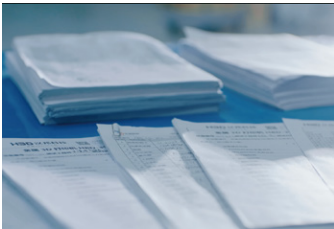


HBD 1000

Quad Laser Additive Manufacturing System

Why HBD 1000

▶ The Latest and Standardization Technology

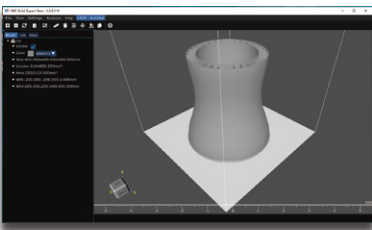


The leading laser system and circulating filtering system

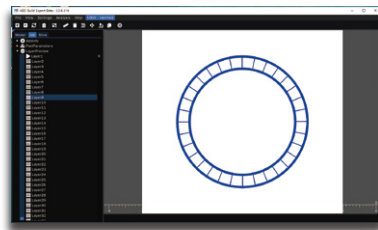


Workflow optimization and safe operation

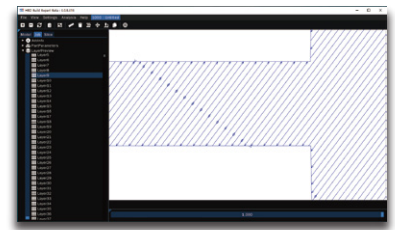
▶ Superior Printing Quality



R&D Data Processing Software: Simple user interface & operation, distributed database and optimization algorithm. Powerful scanning path planning and laser parameter assignment.



Multi-laser control and stitching system



Perfect equipment forming process and component performance tests. Configure parameter packet with multiple materials and big layer thicknesses.

▶ An Efficient Smart System



HBD Operation System

Easy-to-use;
Automatic grafting;
Detailed logs.



A one-stop powder processing system

A one-stop powder processing system with automatic powder feeding, sieving, and suctioning.



An upgraded flexible powder recoating process

Variable printing speed;
Automatic powder pre-feeding;
Multiple scraper types.



Efficient printing process

Multiple path scanning strategy;
Large layer thickness;
Large particle size.

3D Print Cases



Aero engine Impeller



Engine Compartment



Radiator



Automotive Component

Technical Parameters

Forming Size	600mm×600mm×1000mm
Laser Power	500W×4
Layer Thickness	20μm-120μm
Scanning Track Width	70μm-200μm
Scanning Speed	≤10m/s
Oxygen Content	≤100PPM
Protective Atmosphere	Integral sealed, automatic monitoring of oxygen content, recycling cleaning and collection coefficient ≥ 99%
Relative Density	99.9%+
Typical Accuracy	0.05-0.2mm
Metal Powder	Stainless steel, cobalt-chrome alloy, Hastelloy, Titanium alloy, Nickel-based alloy, Tool Steel, Aluminum alloy, and some refractory metals like Tungsten and Tantalum
Software Package	Full open as hardware allowed
Processing Parameter Package	Equipped and customizable
Weight	12000KG



About Us



Global leader

Recognized globally for developing and manufacturing metal additive manufacturing equipment, with over 200 patents and prestigious certifications.



Innovation and quality

Continuous improvement and technological advancements to keep customers ahead.



Cutting-edge solutions

Acclaimed metal 3D printing machines installed in 25+ countries, offering advanced capabilities.



Tailored to industries

Customized metal additive manufacturing solutions for aerospace, automotive and more.

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