



Expert on Metal 3D Printing

HBD E500

Aerospace and Advanced Industries Customized



Why HBD E500



Optimized purification circulation and gas flow for improved performance.



High-efficiency, multi-lasers with optional dual or triple configurations.



Intelligent powder recoating monitoring ensures consistent quality.



Unique marble material ensures long-term precision stability.



Front and rear double doors for easy access, pickup, and cleaning.

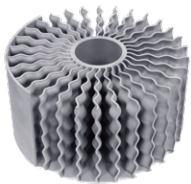


Perfect powder closed-loop system minimizes waste.



Engineered for maximum productivity in serial production.

3D Print Cases



Helix Radiator



Exhaust Mixer



Heat Exchanger



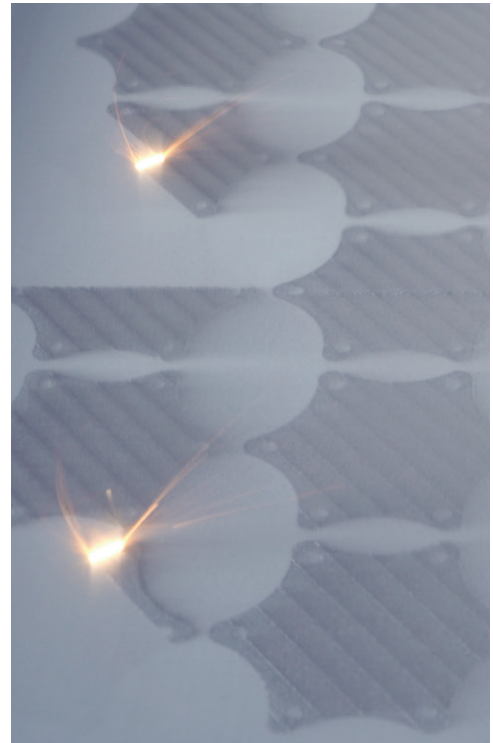
Cooling Manifold



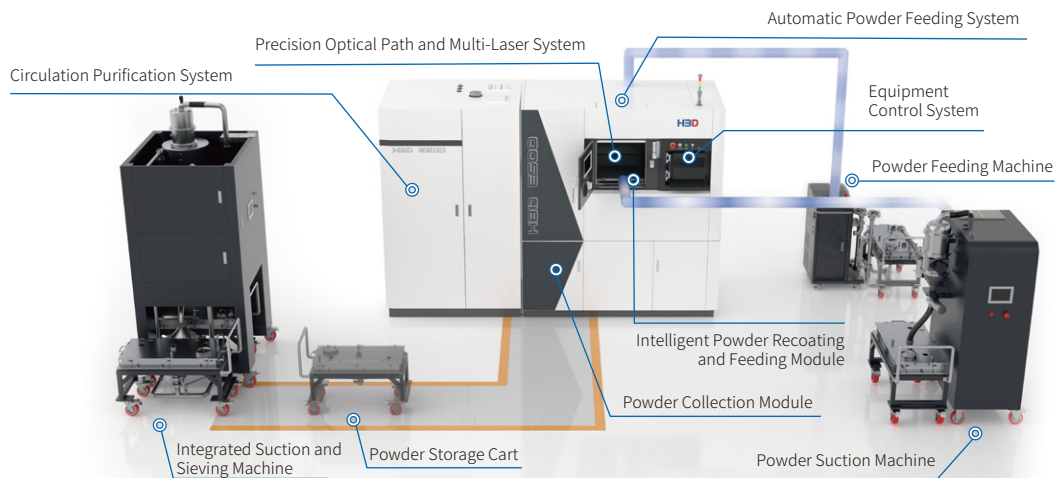
Topology Optimized Structural Components

HBD E500 Technical Parameters

Forming Size:	430mm×520mm×520mm
Laser Power:	500W×2 / 500W×3
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, Tool steel, Titanium alloy, High temperature alloy, Aluminum alloy, Hastelloy, and some refractory metals like Tungsten and Tantalum
Software Package:	Full open as hardware allowed
Processing Parameter Package:	Equipped and customizable



Powder Management System



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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