



Expert on Metal 3D Printing

# HBD-200

High Productivity System  
Small-scale and Flexible AM Solution



# Why HBD-200



## Stability and Efficiency

HBD-200, a revolutionary leap in laser focusing technology. Its sub-vacuum sealed chamber, closed-loop air circulation, and high-speed deoxygenation system ensure utmost precision and safety. Dual pressure sensors, oxygen detection, and safety measures guarantee stable and secure operation. The innovative powder recycler boosts powder usage, optimizing results. Experience the future with HBD-200: where stability meets efficiency.

## Material Diversity

We provide parameter packages for stainless steel, mold steel, titanium alloy, nickel-based alloy and other materials. We also offer an open powder system and can collaborate on testing third-party materials to provide their respective process parameters.

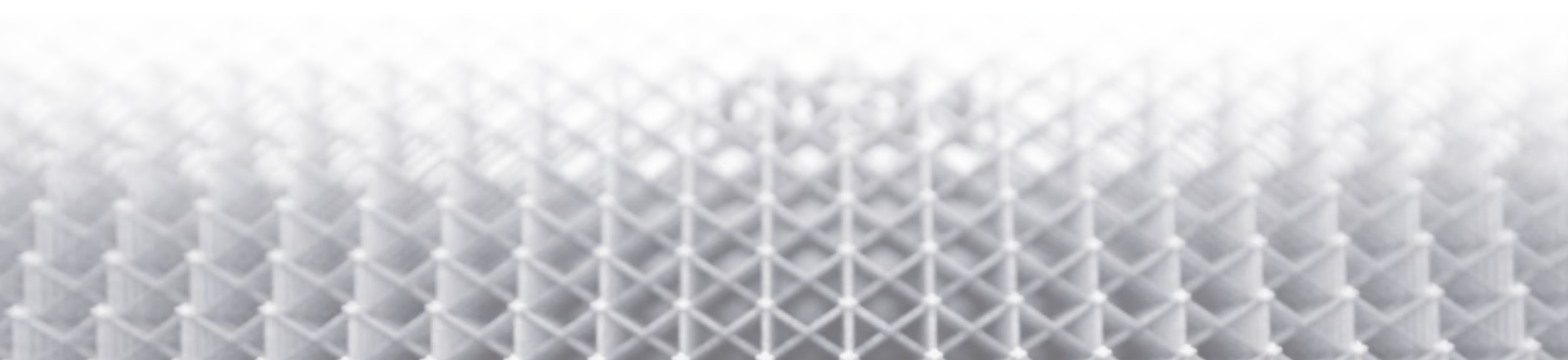
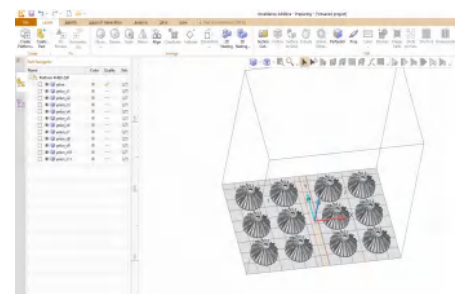


## Impressive Performance

The HBD-200 comes with an external purification circulation system that communicates in real-time with the host machine to monitor and adjust the printing atmosphere. It also features an automatic closed-loop purification circulation system with advanced dust removal and secondary filtration. These enhancements ensure a high filtration efficiency meeting H13 standards. Moreover, the filter's long service life of over 2000 hours makes it perfect for demanding, continuous printing tasks.

## Data Processing Software

HBD-200 software realises automatic layout, automatic addition of support, intelligent slicing and scanning path planning, performs in-depth docking with the equipment, and the software automatically corrects errors, making it easy to operate.

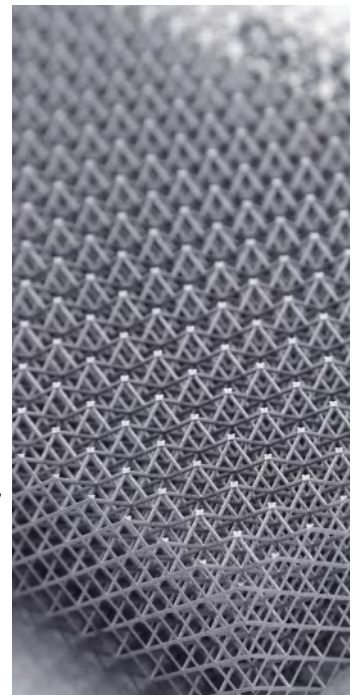


# Functions & Modules



# Technical Parameters

Forming Size	270mm × 170mm × 120mm
Laser Power	300W × 2 / 500W × 2
Layer Thickness	10μm-40μm
Scanning Track Width	40μm-80μm
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	0.05-0.1mm
Metal Powder	Stainless steel, Cobalt-chrome alloy, Tool steel, Titanium alloy, High temperature alloy, Hastelloy, Tungsten, Tantalum and some other refractory metals.
Software Package	Full opening within hardware allowed.
Processing Parameter Package	Equipped and customizable.
Weight	1100KG



Dual Laser



One-way Variable Speed Recoating



Closed Loop System



SGS-CE



ISO9001



Licensed Patents

## 3D Print Cases



Mandible



Customized Rings



Acetabular Prosthesis



Titanium Mesh



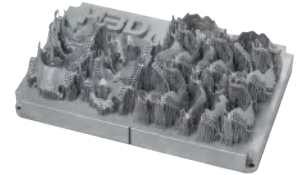
Porous Acetabular Cup



Lattice Structure Part



Customized Ornaments



Denture Frameworks

## HBD Partners in the World



## 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 dental, orthopedic, automotive, aerospace and more.

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