

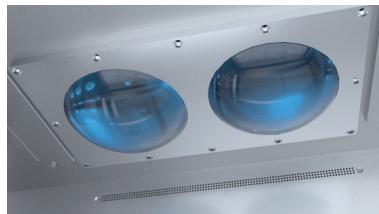
# HBD 200

## Metal Additive Manufacturing System

Discover the epitome of stability and efficiency in additive manufacturing with the HBD 200

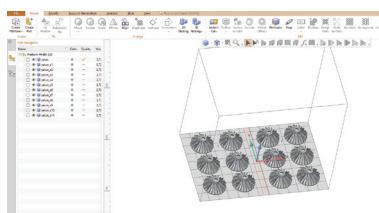


### ► WHY HBD 200?



#### Dual Lasers Configuration

Configuring two fiber lasers with a power output of up to 500W each to operate stably within a space of 265mm×170mm×200mm, maximizing production efficiency for small batches.



#### Integrated Data Processing System

HBD data processing software enables the seamless creation of customizable print layouts with automated support structure integration, intelligent slicing, path scanning planning, and error rectification.



#### External Purification System Meeting H13 Standards

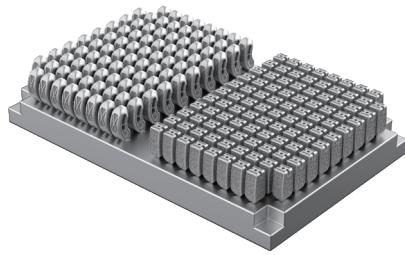
Equipped with an external purification system that connects in real-time to the host machine, ensuring high filtration efficiency meeting H13 standards, and featuring a filter lifespan of over 1200 hours for uninterrupted printing operations.



#### Enhanced Printing Environment for Superior Results

The host is equipped with a purifier and can be optionally equipped with auxiliary equipment such as powder sieving machine to enhance the printing environment, ensuring efficient and high-quality printing results.

## ► 3D Print Cases



### Porous Interbody Fusion Cages

Industry: Orthopedics

Material: TC4

Size: 10×13.7×28.6mm(left)  
10.7×12.3×26mm(right)

Weight: 1140g

Quantity: 185

Time: 24h



Acetabular Implant



Mold Insert



Worm Gear Loren Supercharger



Heat Exchanger

Metal 3D printed porous interbody fusion cages closely mimic the elastic modulus of human bone, effectively mitigating stress shielding, preventing subsidence, intervertebral height loss, and product failure risks. The porous structure facilitates exceptional bone ingrowth, ensuring immediate stability and long-term robust bone fusion outcomes.

## ► Technical Parameters

Build Volume	265mm × 170mm × 200mm (height incl. build plate)
Laser Power	2 Lasers, 300W/500W
Layer Thickness	10μm-50μm
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	Titanium alloy, cobalt-chromium alloy, stainless steel, mold steel, etc.
Process Parameter Configuration	Tailored parameter set for the specific application, user-modifiable
Weight	Est. 1150kg
External Dimensions	1780mm × 1380mm × 1900mm
Power Supply	300W: AC220V, 50/60Hz, peak power ≤ 4.5kW, average power ≤ 3kW 500W: AC380V, 50/60Hz, peak power ≤ 6kW, average power ≤ 4kW

## ► About Us



### Global Recognition

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.



### Tailored to Industries

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



### Cutting-edge Solutions

Acclaimed metal 3D printing machines installed in 37 countries, offering advanced capabilities.

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