

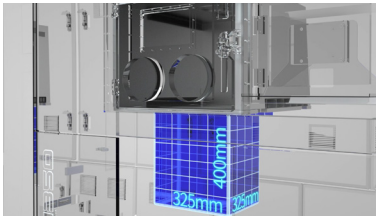
# HBD 350

## Metal Additive Manufacturing System

Entry-level Metal Additive Manufacturing Systems  
for Batch Production

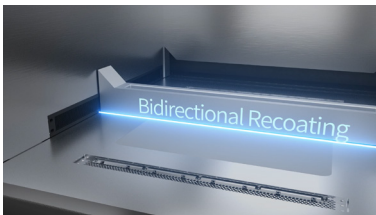


### ► WHY HBD 350?



#### Four Lasers Configuration

Four 500W fiber lasers operate steadily alongside a building volume of 325mm×325mm×400mm, providing an effective solution for scaled production.



#### Efficient Powder Recoating Configuration

Intelligent variable speed design and bidirectional recoating increase flexibility and improve efficiency.



#### Enhanced Software Support

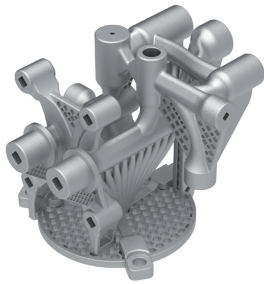
Take advantage of traceable printing logs that allow for detailed tracking of each print job, along with real-time monitoring features to guarantee optimal results and top-notch printing quality.



#### Optional Long Lasting Filtration System

Upgradeable configuration with self-cleaning long-lasting filtration system, lifespan exceeding 5 years, ideal for prolonged batch printing operations.

## ► 3D Print Cases



### Hydraulic Manifold

Industry : Automotive  
 Material : SS 316L  
 Size : 131\*138\*119mm  
 Weight : 1767.97g  
 Time : 14h

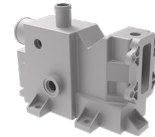
Utilizing 3D metal printing for hydraulic manifolds offers the advantage of producing components with intricate internal passages, reducing the risk of leakage and improving hydraulic system efficiency. Customized designs can enhance fluid flow control and reduce the need for complex assembly, resulting in more reliable and cost-effective hydraulic systems.



Mold Insert



Worm Gear Loren Supercharger



Hydrogen Energy Reactor



Heat Exchanger

## ► Technical Parameters

Build Volume	325mm × 325mm × 400mm (height incl. build plate)	
Laser Power	2 Lasers, 500W/1000W	4 Lasers, 500W/1000W
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	Titanium alloy, aluminium alloy, high temperature alloy, stainless steel, mold steel, etc.	
Process Parameter Configuration	Tailored parameter set for the specific application, user-modifiable	
Weight	Est. 3000kg	
External Dimensions	1900mm × 1500mm × 2300mm	
Power Supply	500W: AC380V, 50/60Hz, peak power ≤14-15kW, average power ≤5.5-7kW 1000W: AC380V, 50/60Hz, peak power ≤15-17kW, average power ≤7-9kW	

## ► 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.



### Tailored to Industries

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



### Cutting-edge Solutions

Acclaimed metal 3D printing machines installed in 30+ countries, offering advanced capabilities.

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