Metal 3D Printing System

GLB-200M
Industrial-grade

GLB-120M
Desktop Grade

GLOBAL LASER BOX

GLB-120M

**Desktop Grade
Metal 3D Printing System**

Redefining Reality, One Print at a Time.

Key Features:

Ultra-small footprint

A wide range of metal material process packages

Dual Material Compatibility

10 Build Plates

OPEN — Fully Open Source Parameter Editing Window

Permanent filters

Metal Sintering Furnace (for Cobalt Chrome applications)

Ti — Titanium Upgrade Optional Available

10 — 10 kg Metal Powder

✦ Drying Machine, Sawing Machine, Nitrogen Generator

✦ Vibrating Machine, Vacuum Cleaner, Water Chiller, Air Compressor

GLB-120M Technical Specifications

Basic Size	
Equipment Size	700mm x 700mm x 700mm
Print Size	ϕ 120mm x 80mm
Machine Weight	200KG

Performance Parameters	
Powder Layer Thickness	0.03mm/0.1mm
Powder Delivery Method	Top-feed Powder
Powder Spread Method	One-way Powder Spread
Scanning Speed	7-12m/s
Dimensional Accuracy	$\pm$0.05mm
Supervisory Software	Independently developed by GLOBAL LASER BOX
Supported Interface Types	RS232/RS485, Ethernet, USB, Canopen
Human-Machine Interaction Device	PC
Operating System	Windows10
Communication Protocol	Modbus Standard Protocol
Driving Component	Servo Motor
Control Software	Independently developed by GLOBAL LASER BOX (YM Build II)
Data Processing Software	VoxelDance

Optical Performance	
Laser System	Fiber Laser
Scanning System	High-precision Scanning Mirror Laser
Beam Diameter	8-12μm
Laser Power- Laser Control System	RTC5

System Protection & Energy Consumption	
Protective Gas	Nitrogen, Argon
Gas Protection System	Gas Flat Flow Smoke & Dust Recovery System
Equipment Power	0.8KW
Operating Environment	Temperature 25 ± 3^0C, Humidity <75%
Supported Print File Format	STL
Automatic Setup & Monitoring Alarm	Supported

GLOBAL LASER BOX

GLB-200M

Industrial-grade
Metal 3D Printing System

GLB-200M

The Future of Metal Manufacturing,

Printed Today.

Key Features:

A wide range of metal material process packages

Dual Material Compatibility

10 Build Plates

The parameter editing window is fully open source

Permanent filters

Metal Sintering Furnace (for Cobalt Chrome applications)

Titanium Upgrade Optional Available

10 kg Metal Powder

Large-capacity continuous powder feeding

✦ Fully Open Source Parameter Editing Window

✦ Drying Machine, Sawing Machine, Nitrogen Generator

✦ Vibrating Machine, Vacuum Cleaner, Water Chiller, Air Compressor

GLB-200M Technical Specifications

Basic Size	
Equipment Size	1280mm x 810mm x 1860mm
Print Size	ϕ 150mm x 90mm
Machine Weight	800KG
Performance Parameters	
Powder Layer Thickness	0.03mm/0.06mm
Powder Delivery Method	Single-cylinder bottom-fed powder delivery
Powder Spread Method	One-way Powder Spread
Scanning Speed	7-12m/s
Dimensional Accuracy	$\pm$0.05mm
Supervisory Software	Independently developed by GLOBAL LASER BOX
Supported Interface Types	RS232/RS485, Ethernet, USB, Canopen
Human-Machine Interaction Device	PC
Operating System	Windows10
Communication Protocol between Upper & Lower Computers	Modbus Standard Protocol
Driving Component	Servo Motor
Control Software	Independently developed by GLOBAL LASER BOX (YM Build II)
Data Processing Software	VoxelDance
Optical Performance	
Laser System	Maxphotonics
Scanning System	RAY-MOTION High-Precision Scanning Mirror
Beam Diameter	9-120μm
Laser Power- Laser Control System	RTC4
System Protection & Energy Consumption	
Protective Gas	Nitrogen, Argon
Gas Protection System	Gas Flat Flow Smoke & Dust Recovery System
Equipment Power	3KW
Operating Environment	Temperature 25 ± 3^0C, Humidity <75%
Supported Print File Format	STL
Automatic Setup & Monitoring Alarm	Supported

30 Years of LEADERSHIP

WHERE **TRUST** COMES **FIRST**

Warranty Ke Saath Bhi
Warranty Ke Baad Bhi

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