

05 PRODUCT INTRODUCTION



FF-M140 series

Desktop 3D Printer M140 series

FF-M140H-Single Laser metal 3D printer for education & scientific research;

FF-M140C-Single Laser metal 3D printer for dentistry.



Dental



Education Research

Lodestar Innovations Pvt. Ltd.

#42, 12th Main Road, Jayanagar, Bangalore - 560011

Contact: +91 99000 03300 | 98802 84246 | Email:

Support@Lodestar3d.com | www.Lodestar3D.com

FUNCTIONAL CHARACTERISTICS

7 years of verification Worry-free operation	FastForm programmed own software , Open source for parameter database Simply work-flow for operation
Worry-free after-sales service Worry-free usage	Permanent filtration system 0 cost,0 replacement, 0 risk
Supports up to 120μm layer thickness process development	>7 years of verification ,built-in HD camera Online remote monitoring and operation Real-time tracking production status

TECHNICAL PARAMETERS

Name	Parameters	Name	Parameters
Building Volume	Φ140mm*H100mm/Φ140mm*H170mm	Printer Dimensions	970×815×1750mm (L×W×H)
Protective Gas	Nitrogen, Argon	Layer thickness	20μm-120μm (adjustable)
Machine Weight	450kg	Recoater Type	Flexible soft blade
Beam size	50-100μm (adjustable)	Laser Power	Single laser, 1x500W
Rated Power	1.5kW	Baseplate Installation	Magnetic fixed /Screw fixed
Layout Method	Fully automatic layout and path planning	Filtration Lifetime	Permanent filter ≥ 30,000 hours
Software	FastForm FastLayer slicing software & FastFab control software		
Printing Materials	Stainless steel, titanium alloy, tool steel, high-entropy alloy, cobalt alloy, aluminum alloy, copper alloy, etc.		

APPLICATION DEMONSTRATION

