

# 05 PRODUCT INTRODUCTION



## FF-M300 series

Industry Metal 3D Printer M300 Series

FF-M300H—Metal 3D printer for education & scientific research;

FF-M300S—Metal 3D printer for prototyping;

FF-M300—Metal 3D printer for mold manufacturing.



Prototype



Mold



Consumer electronics



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



Dual ultra-fast engines  
Double the efficiency



Ultimate mechanical structure  
Space cost reduced by 30%



Zero-touch dynamic  
Seamless stitching



Permanent filtration system  
0 cost, 0 replacement, 0 risk



Powder circulation system integrated for all series

## TECHNICAL PARAMETERS

Name	Parameters	Name	Parameters
Building volume	300×300×400mm (L×W×H)	Printer Dimensions	1960×870×2600mm (L×W×H)
Protective Gas	Nitrogen, Argon≤2L/min	Recoating type	Top powder feeding, bidirectional recoating
Machine Weight	1200kg/1230kg	Recoater Type	Flexible Soft blade
Optical system	F-theta lens	Laser Power	1, 2, 4 lasers (optional), 1x500W
Scanning speed	10m/s (max)	Rated Power	4kW AC380V
Forming rate	100cm <sup>3</sup> /h (max)	Filtration System	Permanent filter ≥ 30,000 hours
Software	FastForm FastLayer slicing software & FastFab control software		
Printing Materials	Tool steel, stainless steel, titanium alloy, superalloy, aluminum alloy, etc.		

## APPLICATION DEMONSTRATION

