

05 PRODUCT INTRODUCTION



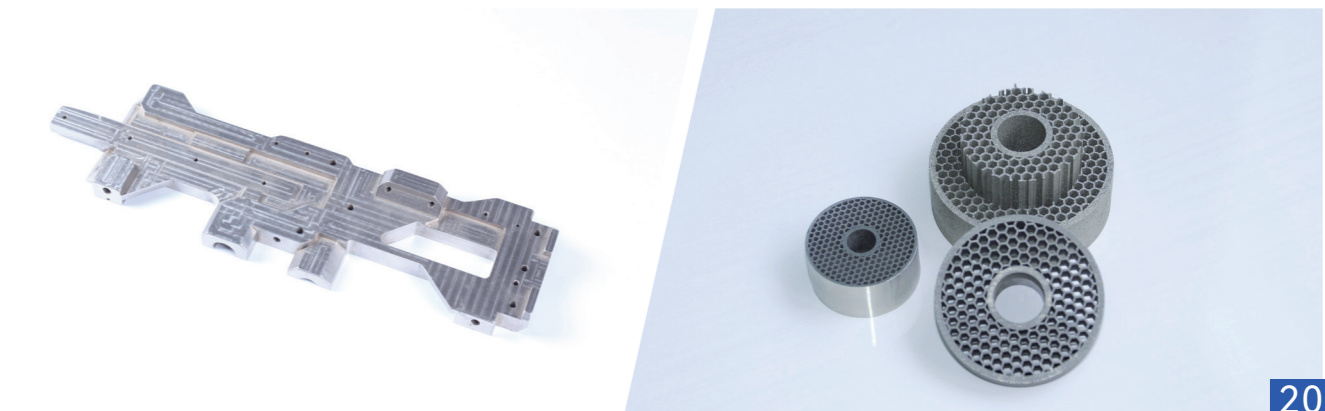
FUNCTIONAL CHARACTERISTICS

LFPT (Light-Following Powder Spreading Technology) Reduce 15 seconds per layer Saving 41 hours for 10K layers	Say goodbye to single-layer limitations Dual-layer wind field redefines the heat dissipation logically
Zero-touch dynamics Seamless stitching	FastLayer ultra-large-scale industrial data processing Efficiency increased by 300%
FastFab AI intelligent control with full-dimensional quality inspection during 3D printing process	

TECHNICAL PARAMETERS

Name	Parameters	Name	Parameters
Building Volume	650×650×800mm (L×W×H)	Printer Dimensions	3500×6000×4300mm (L×W×H)
Protective Gas	Nitrogen, Argon	Preheating temperature	200°C
Machine Weight	6000kg	Recoating Type	Top powder feeding, bidirectional recoating
Rated Power	25kW AC380V	Laser Power	4, 6, 8 lasers (optional), 1X500W
Scanning speed	10m/s (max)	Galvo type	Raster-type high-precision digital encoding lens
Forming rate	240cm ² /h (max)	Filtration Lifetime	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



FF-M800 series

Large-size Metal 3D Printer M800 Series
 FF-M800 — Metal 3D Printer for Mold;
 FF-M800 — Metal 3D Printer for Aerospace.

