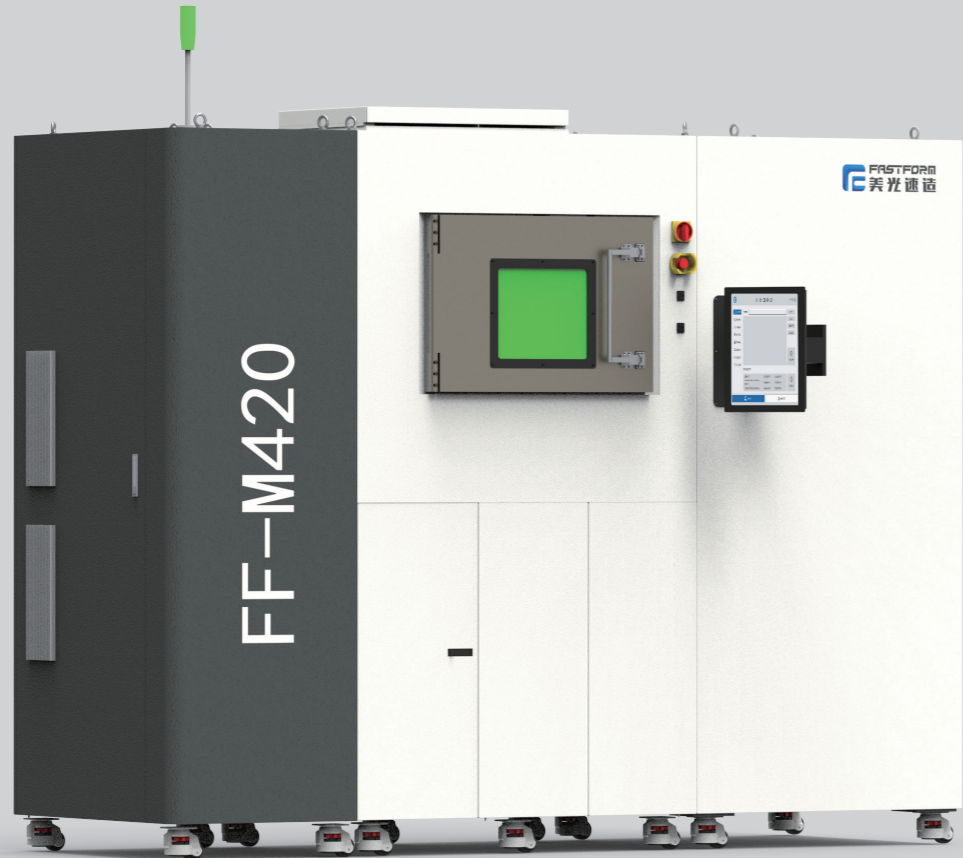


# 05 PRODUCT INTRODUCTION



## FF-M420 series

Industry Metal 3D Printer M420 Series

FF-M420 — Metal 3D Printer for Mold Applications;

FF-M420 — Metal 3D Printer for Consumer Electronics;

FF-M420 — Metal 3D Printer for Aerospace.



Mold



Consumer electronics



Education Research



Aerospace

## FUNCTIONAL CHARACTERISTICS

8 lasers + LFPT Bidirectional recoating Production efficiency increased by 300%	Ultimate mechanical structure Small volume light weight
Zero-touch dynamic Seamless stitching	Permanent filtration system 0 cost, 0 replacement, 0 risk
FastLayer One-click typesetting one-click slicing one-click hollowing	Large-scale solutions Worry-free machine purchase

## TECHNICAL PARAMETERS

Name	Parameters	Name	Parameters
Building Volume	420×380×400mm (L×W×H)	Printer Dimensions	2350×1050×2600mm (L×W×H)
Protective Gas	Nitrogen, Argon	Recoating Type	Top powder feeding, bidirectional recoating
Machine Weight	1700kg	Recoater Type	Flexible soft blade
Rated Power	10kW 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 <sup>3</sup> /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

