



ACS Material Equipment Series

New Generation Smart Efficient Super-Large Powder Bed Laser Melting Printer

Model: XDM 750

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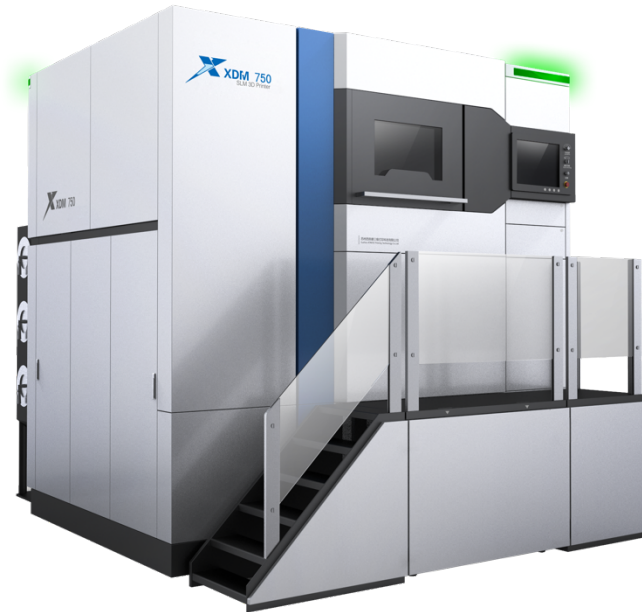
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Revision: 122122

Product Overview

XDM 750 is a high efficiency large size printer in the XDM range. This is a mature and one of the largest PBF metal printers in market currently. With many years of technology accumulation, two generations of evolution, long period of operation in the aerospace industry, this printer is amongst the most mature large size metal printers, very suitable for large aerospace product manufacturing.



Product Features

- Basic configuration: 4 x 500W fiber laser, can choose more.
- Optimized smoke processing system.
- TCA, IN718, High strength Aluminum Alloy, 316L Materials.
- Long operation with aerospace manufacturing.
- Large working envelope, increased production capability.
- Optimized airflow, stable production quality.
- Multi-laser scanning system, high production efficiency.
- Smart control software, with process parameters fully open and editable.
- Customizable scan path, enabling the forming process to be easy to modify and optimize.
- Intelligent process monitoring, automated production with full data output for analysis.
- External collector for excess powder that becomes new feed stock, which allows for uninterrupted production.
- High performance components increase reliability.

Product Specifications

Product Name	XDM 750 Powder Bed Laser Melting 3D Metal Printer
SKU #	EPXDM750
Model #	XDM 750
Building Volume (W x D x H)	750mm x 750mm x 500mm (29 inch x 29 inch x 19 inch)
Laser System	Yb Fibre Laser (IPG), Quad (4 x 500W)
Min. Focus Diameter	approx. 85µm
Optic System	F-theta lens, high-speed and high-precision scanners
Build Rate	up to 120cm ³ /h
Layer Thickness	20µm - 100µm
Filter System	Flow rate up to 1440m ³ /h
Power Supply	AC 380V/50Hz, 41kVA
Unit Dimensions W x D x H	3500mm x 3400mm x 3600mm (138 inch x 134 inch x 142 inch)
Weight	approx. 12000kg (approx. 26456lbs)
Software	XDM IntelliSlice, XDM IntelliProc [®] , XDM IntelliMake [®] , XDM STATE
Materials [※]	Tool steel, Stainless steel, High-temperature alloys, Titanium alloy, Cobalt-chromium alloy, Aluminum alloy

[※] Please consult with sales for available materials and datasheet



Sample of 3D-Printed Thrust Chamber



Sample of 3D-Printed Burner

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