



ACS Material Equipment Series

An Advanced Powder Bed Laser Melting Metal 3D Printer of Classical Building Size

Model: XDM 250

Contact Information:

ACS Material, LLC

Address: 959 E Walnut St., Suite 100

Pasadena, CA 91106, USA

Phone: (866)-227-0656

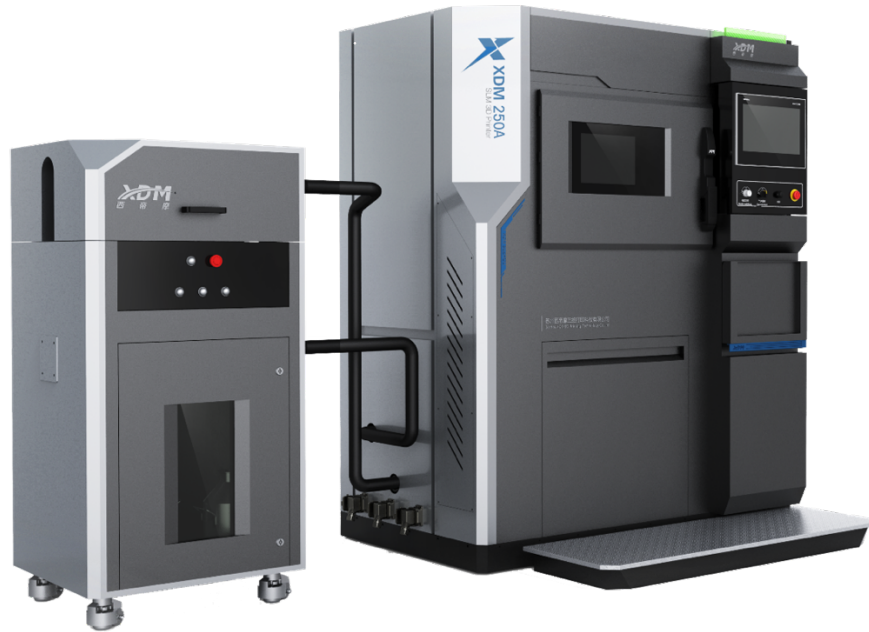
Fax: (781)-518-0284

E-Mail: contact@acsmaterial.com

Revision: 122122

Product Overview

XDM 250 is a classical model in the XDM range of 3D metal printers. With 410mm along Z-direction in the printing envelope, the printer has one of the largest forming heights amongst printers of this size. The printer has a very strong capability in producing small features (bars with a diameter as small as 0.2mm) with high accuracy and can run for a long time continuously. It is suitable for universities, research institutes, as well as aerospace, automotive, and molding sectors.



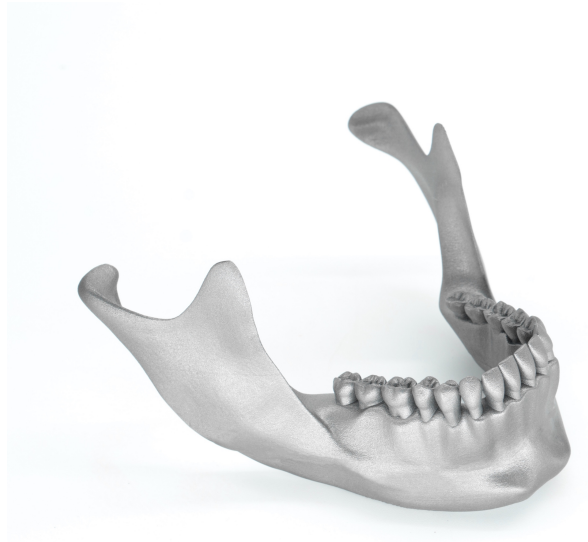
Product Features

- One of the tallest building heights amongst printers of similar sizes.
- Strong capability in manufacturing small features.
- Extremely reliable at long working hours.
- Optimized airflow, stable production quality.
- Separate accessory, flexible installation.
- Customizable software for different requirements.
- Customizable scan path, forming process easy to modify and optimize.
- Smart control software, with process parameters fully open and editable.
- Intelligent process monitoring, automated production with full data output for analysis.
- High performance components increase reliability.

Product Specifications

Product Name	XDM 250 Powder Bed Laser Melting 3D Metal Printer
SKU #	EPXDM250
Model #	XDM 250
Building Volume (W x D x H)	250mm × 250mm × 360mm (9 inch x 9 inch x 14 inch) , 250mm × 250mm × 410mm (9 inch x 9 inch x 16 inch)
Laser System	Yb Fibre Laser (IPG), 500W
Min. Focus Diameter	Approx. 65µm
Optic System	F-theta lens, high-speed and high-precision scanners
Build Rate	up to 35cm ³ /h
Layer Thickness	20µm - 100µm
Filter System	Flow rate up to 600m ³ /h
Power Supply	AC 380V/50Hz, 14.1kVA
Unit Dimensions W x D x H	1800mm x 1600mm x 2236mm (71 inch x 63 inch x 89 inch)
Weight	approx. 1500kg (approx. 3370lbs)
Software	XDM IntelliSlice, XDM IntelliProc®, XDM IntelliMake®, XDM STATE
Materials [*]	Tool steel, Stainless steel, High-temperature alloys, Titanium alloy, Cobalt-chromium alloy, Copper alloy, Aluminum alloy

^{*} Please consult with sales for available materials and datasheet



Sample of 3D-Printed Mandible



Sample of 3D-Printed Die-Casting Mould

Disclaimer: ACS Material LLC is the sole distributor of XDM 3D Printing Technology in the US. ACS Material LLC believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. ACS Material makes no representations or warranties either express or implied, regarding the suitability of the material for any purpose or the accuracy of the information contained within this document. Accordingly, ACS Material will not be responsible for damages resulting from use of or reliance upon this information.