

# ProJet® MJP 2500W, 3600W & 3600W MAX

High throughput Multijet Printing production of precision jewelry metal casting patterns



**ProJet MJP 2500W**



**ProJet MJP 3600W**



**ProJet MJP 3600W Max**

Printing Modes	XHD - Xtreme High Definition	HD - High Definition UHD - Ultra High Definition XHD - Xtreme High Definition	HD - High Definition UHD - Ultra High Definition XHD - Xtreme High Definition
Net Build Volume (xyz) <sup>1</sup> HD Mode UHD Mode XHD Mode	11.6 x 8.3 x 5.6 in (294 x 211 x 144 mm)	11.75 x 7.3 x 8 in (298 x 185 x 203 mm) 6 x 7.3 x 8 in (152 x 185 x 203 mm) 6 x 7.3 x 8 in (152 x 185 x 203 mm)	11.75 x 7.3 x 8 in (298 x 185 x 203 mm) 11.2 x 7.3 x 8 in (284 x 185 x 203 mm) 11.2 x 7.3 x 8 in (284 x 185 x 203 mm)
Resolution (xyz) HD Mode UHD Mode XHD Mode	1200 x 1200 x 1600 DPI; 16 μ layers	375 x 450 x 790 DPI; 32 μ layers 750 x 750 x 1300 DPI; 20 μ layers 750 x 750 x 1600 DPI; 16 μ layers	375 x 450 x 790 DPI; 32 μ layers 750 x 750 x 1300 DPI; 20 μ layers 750 x 750 x 1600 DPI; 16 μ layers
Accuracy (typical) <sup>2</sup>	±0.002 in/in (±0.0508 mm/25.4 mm) of part dimension typical for any single printer ±0.004 in/in (±0.1016 mm/25.4 mm) of part dimension across printer population	±0.001-0.002 inch per inch (0.025-0.05 mm per 25.4 mm) of part dimension	
Build Materials	Visijet M2 CAST	Visijet M3 CAST and M3 Hi-Cast	Visijet M3 CAST and M3 Hi-Cast
Support Material	Visijet M2 SUW	Visijet S400	Visijet S400
Material Packaging Build Material	In clean 2.58 lbs (1.17 kg) bottles (printer holds up to 2 with auto-switching)	In clean 3.86 lbs (1.75 kg) bottles (printer holds up to 2 with auto-switching)	
Support Material	In clean 2.87 lbs (1.3 kg) bottles (printer holds up to 2 with auto-switching)	In clean 3.86 lbs (1.75 kg) bottles (printer holds up to 2 with auto-switching)	
Electrical	100-127 VAC, 50/60 Hz, single-phase, 15A 200-240 VAC, 50 Hz, single-phase, 10A Single C14 receptacle	100-127 VAC, 50/60 Hz, single-phase, 15A 200-240 <sup>3</sup> VAC, 50 Hz, single-phase, 10A	
Dimensions (WxDxH) 3D Printer Crated 3D Printer Uncrated	55 x 36.5 x 51.7 in (1397 x 927 x 1314 mm) 44.1 x 29.1 x 42.1 in (1120 x 740 x 1070 mm)	32.5 x 56.3 x 68.5 in (826 x 1430 x 1740 mm) 29.5 x 47 x 59.5 in (749 x 1194 x 1511 mm)	32.5 x 56.3 x 68.5 in (826 x 1430 x 1740 mm) 29.5 x 47 x 59.5 in (749 x 1194 x 1511 mm)
Weight 3D Printer Crated 3D Printer Uncrated	716 lb (325 kg) 465 lb (211 kg)	955 lb (433 kg) 659 lb (299 kg)	955 lb (433 kg) 659 lb (299 kg)
3D Sprint® Software	Easy build job set-up, submission and job queue management; Automatic part placement and build optimization tools; Part stacking and nesting capability; Extensive part editing tools; Automatic support generation; Job statistics reporting tools		
E-mail Notice Capability	Yes	Yes	Yes
Internal Hard Drive Capacity	500 Gb minimum	500 Gb minimum	500 Gb minimum
Connectivity	Network ready with 10/100/1000 base ethernet interface USB port	Network ready with 10/100 Ethernet interface Front panel USB port	
Client Operating System	Windows® 7, Windows 8 or Windows 8.1 (Service Pack), Windows 10 <sup>4</sup>		
Input Data File Formats Supported	STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3DS, FBX, IGES, IGS, STEP, STP, MJPDDD		
Operating Temperature Range	64-82 °F (18-28 °C), reduced print speed at > 77 °F (25 °C)	64-82 °F (18-28 °C)	64-82 °F (18-28 °C)
Operating Humidity	30-70 % relative humidity	30-70 % relative humidity	30-70 % relative humidity
Noise	< 65 dBa estimated (at medium fan setting)		
Certifications	CE	CE	CE

<sup>1</sup> Maximum part size is dependent on geometry, among other factors.

<sup>2</sup> Accuracy may vary depending on build parameters, part geometry and size, part orientation, and post-processing.

<sup>3</sup> Requires small external transformer supplied by 3D Systems in the provided country kit.

<sup>4</sup> For Windows 10, make sure you have applied the most recent Windows updates for the application to run correctly.

# VisiJet® M2 CAST, M3 CAST and Hi-Cast

High performance RealWax™ materials for direct metal casting



Properties	Condition	VisiJet M2 CAST	VisiJet M3 CAST	VisiJet M3 Hi-Cast	VisiJet M2 SUP	VisiJet S400
Composition		100% Wax	100% Wax	100% Wax	Wax Support Material	Wax Support Material
Color		Deep Purple	Deep Purple	Navy Blue	White	White
Bottle Quantity		1.17 kg	1.75 kg	1.75 kg	1.3 kg	1.75 kg
Density @ 80 °C (liquid)	ASTM D3505	0.80 g/cm³	0.80 g/cm³	0.81 g/cm³	0.87 g/cm³	0.87 g/cm³
Melting Point		61-66 °C	61-66 °C	70 °C	55-65 °C	55-65 °C
Softening Point		40-48 °C	40-48 °C	52-62 °C	N/A	N/A
Volumetric Shrinkage, from 40 °C to RT		2 %	2 %	2.24 %	N/A	N/A
Linear Shrinkage, from 40 °C to RT		0.70 %	0.70 %	0.75 %	N/A	N/A
Needle Penetration Hardness	ASTM D1321	12	12	9	N/A	N/A
Ash Content	ASTM 2584	< 0.05 %	< 0.05 %	< 0.05 %	N/A	N/A
Printer Compatibility		ProJet MJP 2500W	ProJet MJP 3600W Series	ProJet MJP 3600W Series	ProJet MJP 2500W	ProJet MJP 3600W Series
Description		High resolution, durable casting wax	High resolution, durable casting wax	High resolution casting wax	Eco friendly, hands-free dissolvable wax	

\* DISCLAIMER: It is the responsibility of each customer to determine that its use of any VisiJet material is safe, lawful and technically suitable to the customer's intended applications. The values presented here are for reference only and may vary. Customers should conduct their own testing to ensure suitability for their intended application.

[www.3dsystems.com](http://www.3dsystems.com)



Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, material combined with, or end use. 3D Systems makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use.

© 2019 by 3D Systems, Inc. All rights reserved. Specifications subject to change without notice. 3D Systems, the 3D Systems logo, ProJet, VisiJet and 3D Sprint are registered trademarks and RealWax is a trademark of 3D Systems, Inc.

3DS-51401A

01-19