

ProJet® MJP 3600W & 3600W MAX

High-throughput Multijet Printing production of precision casting patterns



ProJet MJP 3600W



ProJet MJP 3600W Max

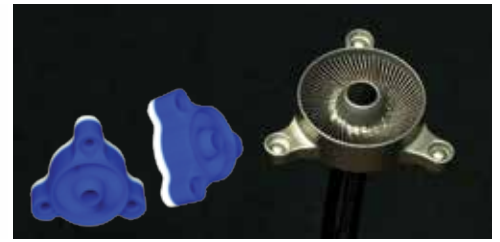
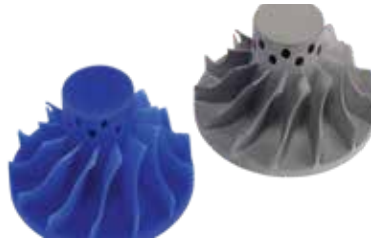
Printing Modes	HD - High Definition UHD - Ultra High Definition XHD - Xtreme High Definition	HD - High Definition UHD - Ultra High Definition XHD - Xtreme High Definition
Net Build Volume (xyz)* HD Mode UHD Mode XHD Mode	11.75 x 7.2 x 8 in (298 x 183 x 203 mm) 5 x 7 x 8 in (127 x 178 x 203 mm) 5 x 7 x 8 in (127 x 178 x 203 mm)	11.75 x 7.2 x 8 in (298 x 183 x 203 mm) 11.75 x 7.2 x 8 in (298 x 183 x 203 mm) 11.75 x 7.2 x 8 in (298 x 183 x 203 mm)
Resolution (xyz) HD Mode UHD Mode XHD Mode	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)	±0.001-0.002 inch per inch (0.025-0.05 mm per 25.4 mm) of part dimension. Accuracy may vary depending on build parameters, part geometry and size, part orientation, and post-processing.	
Build Materials	Visijet M3 CAST and M3 Hi-Cast	Visijet M3 CAST and M3 Hi-Cast
Support Material	Visijet S400	Visijet S400
Material Packaging Build Material Support Material	In clean 3.86 lbs (1.75 kg) bottles (machine holds up to 2 with auto-switching) In clean 3.86 lbs (1.75 kg) bottles (machine 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	
Dimensions (WxDxH) 3D Printer Crated 3D Printer Uncrated	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	955 lbs (433 kg) 659 lb (299 kg)	955 lbs (433 kg) 659 lb (299 kg)
ProJet® Accelerator 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
Network Compatibility	Network ready with 10/100 Ethernet interface	
Client Hardware Recommendation	1.8 GHz with 1GB RAM (OpenGL support 64 mb video RAM) or higher	
Client Operating System	Windows® 7, 8 and 8.1 (service pack)	
Input Data File Formats Supported	STL and SLC	STL and SLC
Operating Temperature Range	64-82 °F (18-28 °C)	64-82 °F (18-28 °C)
Noise	< 65 dBa estimated (at medium fan setting)	
5-Year Printhead Warranty	Standard	Standard
Certifications	CE	CE

* Maximum part size is dependent on geometry, among other factors.

** Requires small external transformer supplied by 3D Systems in the provided country kit.

VisiJet® M3 Hi-Cast & CAST RealWax™

High performance 100% wax material for direct casting



Properties	Condition	VisiJet M3 CAST	VisiJet M3 Hi-Cast	VisiJet S400
Composition		100% Wax	100% Wax	Wax Support Material
Color		Deep Purple	Navy Blue	White
Bottle Quantity		1.75 kg	1.75 kg	1.75 kg
Density @ 80 °C (liquid)	ASTM D3505	0.80 g/cm ³	0.81 g/cm ³	0.87 g/cm ³
Melting Point		61-66 °C	70 °C	55-65 °C
Softening Point		40-48 °C	52-62 °C	N/A
Volumetric Shrinkage, from 40 °C to RT		2 %	2.24 %	N/A
Linear Shrinkage, from 40 °C to RT		0.70 %	0.75 %	N/A
Needle Penetration Hardness	ASTM D1321	12	9	N/A
Ash Content	ASTM 2584	< 0.05 %	< 0.05 %	N/A
Description		High resolution, durable casting wax	High resolution casting wax	Non-toxic wax support material with dissolvable hands-free removal

* 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.