

PROJET 3500 HDMAX

The high capacity ProJet 3500 HDMax offers greater productivity, including with the High Speed printing mode, and larger high definition prints, for the production of functional plastic parts for product design and manufacturing applications. Benefit of the increased throughput and part size with feature detail and quality only possible with ProJet printers.

Max THROUGHPUT • Max DEFINITION • Max VOLUME

VisiJet® M3 Materials for ProJet® SD & HD Printers

The VisiJet line of plastic materials offers numerous capabilities to meet a variety of commercial applications. Using the MultiJet Printing (MJP) Technology, 3D Systems' ProJet 3500 3D Printers use VisiJet M3 Materials to build accurate, high-definition models and prototypes for proof of concept, functional testing, master patterns for moldmaking, direct investment casting, for transportation, energy, consumer products, recreation, healthcare, education and other vertical markets. Toughness, high temperature resistance, durability, stability, water tightness, biocompatibility, castability are a few of the key attributes you will find within the VisiJet materials line. Parts can be drilled, glued, painted, plated, etc. Support material offers easy, non-hazardous post processing and preserves delicate features.

Properties	Condition	VisiJet M3 Crystal	VisiJet M3 Procast
Composition		UV Curable Plastic	
Colour		Natural	Dark Blue
Bottle Quantity		2Kg	2Kg
Density @ 80°C (Liquid)	ASTM D4164	1.02 g/cm ³	1.02 g/cm ³
Tensile Strength	ASTM D638	42.4 MPa	32 MPa
Tensile Modulus	ASTM D638	1463 MPa	1724 MPa
Elongation at Break	ASTM D638	6.83%	12.3%
Flexural Strength	ASTM D790	49 MPa	45 MPa
Heat Distortion Temperature @ 0.45 MPa	ASTM D648	56°C	N/A
Ash Content		N/A	0.01%
Melting Point		N/A	N/A
Softening Point		N/A	N/A
USP Class VI Certified		Yes	No
ProJet Compatibility		SD, HD	HD
Description		Tough plastic, Translucent	Castable Plastic

		ProJet 3500 HD Max
Printing Modes		HD - High Definition HS - High Speed UHD - Ultra High Definition XHD - Xtreme High Definition
Net Build Volume (xyz)	HD Mode HS Mode UHD Mode XHD Mode	11.75 x 7.3 x8" (298 x 185 203 mm) 11.75 x 7.3 x8" (298 x 185 203 mm) 11.75 x 7.3 x8" (298 x 185 203 mm) 11.75 x 7.3 x8" (298 x 185 203 mm)
Resolution	HD Mode HS Mode UHD Mode XHD Mode	375 x 375 x 790 DPI (xyz); 32µ layers 375 x 375 x 790 DPI (xyz); 32µ layers 750 x 750 x 890 DPI (xyz); 29µ layers 750 x 750 x 1600 DPI (xyz); 16µ layers
Accuracy (typical)		0.001-0.002 inch (0.025-0.05 mm) per inch of part dimension. Accuracy may vary depending on build parameters, part geometry and size, part orientation and post-processing.
E-mail Notice Capability		Yes
Tablet/Smartphone Connectivity		Yes
5 Year Print head Warranty		Standard
Build Materials		VisiJet M3 X VisiJet M3 Black VisiJet M3 Crystal VisiJet M3 Proplast VisiJet M3 Navy VisiJet M3 Techplast VisiJet M3 Procast
Support Material		VisiJet S300
Material Packaging	Build & Support Materials	In clean 4.41lbs (2kg) bottles (machine holds up to 2 without 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 56.25 x 68.5" (826 x 1429 x 1740 mm) 29.5 x 47 x 59.5" (749 x 1194 x 1511 mm)
Weight	3D Printer Crated 3D Printer Uncrated	955 lbs, 434 kg 711 lbs, 323 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.
Print3D App		Remote Monitoring and control from tablet, computers and smartphones.
Network Compatibility		Network ready with 10/100 Ethernet interface
Client Hardware Recommendation		1.8 GHz with 1GB RAM (OpenGL Support 64mb video RAM) or higher
Client Operating System		Windows XP Professional, Windows Vista, Windows 7
Input Data File Formats Supported		STL and SLC
Operating Temperature Range		64 - 82°F (18 - 28°C)
Noise		< 65 dBa estimated (at medium fan setting)
Certifications		CE

The information in this data sheet is provided for general guidance only and must not be relied upon as a definitive statement of the product's properties or suitability. CBM will not be liable for the consequences of any decision by you to use the product and you must conduct your own testing to determine whether or not the product is suitable for your needs.