PROJET® MJP 3600 DENTAL

High throughput MultiJet Printing production of precision wax-ups and models

ProJet MJP 3600 Dental

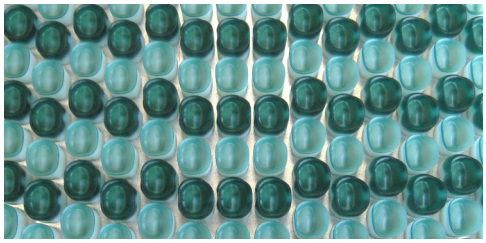
Printing Modes UHD Mode HDX Mode HDP Mode	 Ultra High Definition High Definition Smooth (drill guides, jaw models and orthodontic thermoforming models) High Definition Plaster (plaster-like appearance for crown and bridge, partial denture and orthodontic models)
Net Build Volume (xyz)* UHD Mode HDX Mode HDP Mode	 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) UHD Mode HDX Mode HDP Mode	 750 x 750 x 890 DPI; 29 µ layers 375 x 450 x 790 DPI; 32 µ layers 375 x 450 x 790 DPI; 32 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 UHD Mode HDX Mode HDP Mode	 VisiJet M3 Dentcast VisiJet M3 Dentcast, VisiJet M3 Stoneplast, VisiJet M3 PearlStone VisiJet M3 Dentcast, VisiJet M3 Stoneplast, VisiJet M3 PearlStone
Support Material	VisiJet S300
Material Packaging	Build and support materials in clean 4.41 lbs (2 kg) bottles (printer holds up to 2 of each 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)
Weight 3D Printer Crated 3D Printer Uncrated	 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
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
Post-Processing	ProJet Finisher for easy removal of eco-friendly wax supports
Operating Temperature Range	64-82 °F (18-28 °C)
Noise	< 65 dBa estimated (at medium fan setting)
5-Year Printhead Warranty	Standard
Certifications	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 DENTAL MATERIALS

For castable and pressable wax-ups and precision dental models






Properties	Condition	VisiJet M3 Dentcast	VisiJet M3 PearlStone	VisiJet M3 Stoneplast	VisiJet S300
Composition		UV Curable Plastic			Wax Support Material
Color		Dark Green	White	Natural	White
Bottle Quantity		2 kg	2 kg	2 kg	2 kg
Density @ 80 °C (liquid)	ASTM D4164	102 g/cm^3	104 g/cm^3	102 g/cm^3	N/A
Tensile Strength	ASTM D638	32 MPa	40 MPa	41 MPa	N/A
Tensile Modulus	ASTM D638	1724 MPa	1794 MPa	1850 MPa	N/A
Elongation at Break	ASTM D638	12.3%	7.7%	17%	N/A
Flexural Strength	ASTM D790	45 MPa	N/A	51 MPa	N/A
Heat Distortion Temperature	ASTM D648 @ 0.45 MPa	N/A	88 °C	56 °C	N/A
Ash Content		0.01%	N/A	N/A	N/A
Melting Point		N/A	N/A	N/A	60 °C
Softening Point		N/A	N/A	N/A	40 °C
USP Class VI Certified*		No	No	Yes	N/A
Printing Modes Compatibility		UHD, HDX, HDP	HDX, HDP	HDX, HDP	UHD, HDX, HDP
Description		Wax-up castable material	Solid stone appearance	Translucent or stone finish**	Non-toxic wax material for hands- free melt-away supports

* DISCLAIMER: Material is capable of meeting the requirements of USP Class VI testing. 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.

** Choice of finish requires additional post processing.

MANUFACTURING*THE*FUTURE™

www.3dsystems.com

USA
Tel: +1 803.326.3900

UK
Tel: +44 1442 282 600

Germany, Scandinavia, Eastern Europe, Middle East
Tel: +49 6151 357 0

Asia-Pacific
Melbourne Tel: +61 3 9819 4422
Sydney Tel: +61 2 9516 5571

Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, material combined with, or with 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.

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