MultiJet Plastic Printers

High part quality, speed and simplicity made accessible with the ProJet® MJP 2500 Series

ProJet MJP 2500

ProJet MJP 2500 Plus

Printing Mode	HD - High Definition	HD - High Definition
Net Build Volume (xyz)*	11.6 x 8.3 x 5.6 in (294 x 211 x 144 mm)	11.6 x 8.3 x 5.6 in (294 x 211 x 144 mm)
Resolution (xyz)	800 x 900 x 790 DPI, 32 µ layers	800 x 900 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 (on platform) Accuracy may vary depending on build parameters, part geometry and size, part orientation and post processing.	
Build Materials	VisiJet ProFlex M2G-DUR – Tough, clear polypropylene-like VisiJet M2R-WT** – Rigid white VisiJet M2R-BK** – Rigid black	VisiJet Armor M2G-CL – Tough, clear ABS-like VisiJet ProFlex M2G-DUR – Tough, clear polypropylene-like VisiJet M2R-GRY – High contrast, rigid gray VisiJet M2R-WT** – Rigid white VisiJet M2R-BK** – Rigid black VisiJet M2R-CL** – Rigid clear VisiJet M2R-TN – High contrast, rigid tan VisiJet M2 EBK – Elastomeric black VisiJet M2 ENT – Elastomeric natural
Support Material	VisiJet M2 SUP	VisiJet M2 SUP
Material Packaging Build Materials Support Material	In clean 3.30 lbs (1.5 kg) bottles (printer holds up to 2 build materials bottles with auto-switching) In clean 3.08 lbs (1.4 kg) bottles (printer holds up to 2 support material bottles with auto-switching)	
Electrical	100-127 VAC, 50/60 Hz, single-phase, 15A 200-240 VAC, 50 Hz, single-phase, 10A Single C14 receptacle	
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)	 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)
Weight 3D Printer Crated 3D Printer Uncrated	 716 lb (325 kg) 465 lb (211 kg)	 716 lb (325 kg) 465 lb (211 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
Internal Hard Drive Capacity	500 Gb minimum	500 Gb minimum
Connectivity	Network ready with 10/100/1000 BaseT Ethernet interface USB port	
Client Hardware Recommendation	• 3 GHz multiple core processor (2 GHz Intel® or AMD® processor mini) with 8 GB RAM or more (4 GB mini) • OpenGL 3.2 and GLSL 1.50 support (OpenGL 2.1 and GLSL 1.20 mini), 1 GB video RAM or more, 1280 x 1024 (1280 x 960 mini) screen resolution or higher • SSD or 10,000 RPM hard disk drive (30 GB of available hard-disk space for cache mini) • Google Chrome or Internet Explorer 11 (Internet Explorer 9 mini) • Other: 3 button mouse with scroll, keyboard, Microsoft .NET Framework 4.5 installed with application	
Client Operating System	Windows® 7, Windows 8 or Windows 8.1 (Service Pack)	
Input Data File Formats Supported	STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3DS, FBX, IGES, IGS, STEP, STP, MJPDDD	
Post Processing	MJP EasyClean System or ProJet Finisher for easy removal of eco-friendly wax supports	
Operating Temperature Range	64-82 °F (18-28 °C), reduced print speed at > 77 °F (25 °C)	
Operating Humidity	30-70 % Relative Humidity	30-70 % Relative Humidity
Noise	< 65 dBa estimated (at medium fan setting)	
5-Year Printhead Warranty	Optional	Optional
Certifications	CE	CE

* Maximum part size is dependent on geometry, among other factors.
** Respectively replaces former VisiJet® M2 RWT, RBK and RCL materials.

VisiJet® M2 Materials

Functional precision plastic and elastomeric parts with the ProJet® MJP 2500 Series

Properties	ASTM	VisiJet Armor M2G-CL	VisiJet ProFlex M2G-DUR	VisiJet M2R-GRY	VisiJet M2R-WT*	VisiJet M2R-BK*	VisiJet M2R-CL*	VisiJet M2R-TN	VisiJet M2 ENT	VisiJet M2 EBK	VisiJet M2 SUP
Composition		UV curable plastic							UV curable elastomeric		Wax support
Color		Clear	Clear	Opaque gray	Opaque white	Opaque black	Translucent clear	Opaque tan	Translucent natural	Opaque black	White
USP Class VI and/or ISO 10993 Capable**		No	No	Yes	Yes	No	Yes	Yes	No	No	No
Bottle Quantity (kg)		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
Density @ 20 °C (solid) (g/cm³)	D792	1.14	1.14	1.16	1.16	1.16	1.16	1.16	1.12	1.12	N/A
Tensile Strength (MPa)	D638	30-35	15-20	35-45	35-45	45-55	35-45	60-70	0.2-0.4	0.2-0.4	N/A
Tensile Modulus (MPa)	D638	1500-2000	250-350	1500-2000	1500-2000	2000-2500	1500-2000	2500-3000	0.27-0.43	0.27-0.43	N/A
Elongation at Break	D638	55-65 %	65-75 %	20-30 %	20-30 %	6-12 %	20-30 %	6-12 %	160-230 %	160-230 %	N/A
Flexural Strength (MPa)	D790	40-45	N/A	50-60	50-60 MPa	80-90	50-60	90-100	N/A	N/A	N/A
Flexural Modulus (MPa)	D790	1000-1200	N/A	1700-2200	1700-2200	2400-3000	2000-2500	2400-3000	N/A	N/A	N/A
Impact Strength (Notched Izod) (J/m)	D256	40-50	70-80	20-25	20-25	15-18	20-25	14-17	N/A	N/A	N/A
Shore A Hardness	2240	N/A	N/A	N/A	N/A	N/A	N/A	N/A	28-32	28-32	N/A
Shore D Hardness	2240	70	60	77	77	81	77	72	N/A	N/A	N/A
Water Absorption (24 hr)	D570	0.5 %	0.6 %	0.5 %	0.5 %	0.5 %	0.5 %	N/A	0.9 %	0.6 %	N/A
Heat Distortion Temp @ 0.45 MPa	D648	47 °C	N/A	51 °C	51 °C	61 °C	51 °C	71 °C	N/A	N/A	N/A
Heat Distortion Temp @ 1.82 MPa	D648	43 °C	N/A	45 °C	45 °C	53 °C	45 °C	61 °C	N/A	N/A	N/A
Melting Point		NA	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	60 °C
Softening Point		NA	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	40 °C
Printer Compatibility		ProJet MJP 2500 Plus	ProJet MJP 2500/2500 Plus	ProJet MJP 2500 Plus	ProJet MJP 2500/2500 Plus	ProJet MJP 2500/2500 Plus	ProJet MJP 2500 Plus	ProJet MJP 2500 Plus	ProJet MJP 2500 Plus	ProJet MJP 2500 Plus	ProJet MJP 2500/2500 Plus
Description		Transparent clear, ABS-like	Transparent clear, PP-like	Rigid gray, high contrast	High modulus, rigid white plastic	High modulus, rigid black plastic	High modulus, transparent clear	High contrast, high modulus, heat resistant rigid tan plastic	Flexible, rubber-like	Flexible, rubber-like	Non-toxic wax for hands-free melt-away supports

* Respectively replaces former VisiJet® M2 RWT, RBK and RCL materials

** Suitable for use in certain medical applications when post-processed following 3D Systems guidelines

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.

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