



PROJET MJP 5600

PROFESSIONAL - 3D Drucker

Für präzise Multimaterial- Funktionsprototypen:
Einfach zu bedienen, ideal als Abteilungsdrucker, überragende Auflösung



Projet MJP 5600

Printing Modes UHD Mode UHDS Mode XHD Mode XHDS Mode	Ultra High Definition Ultra High Definition-Single Xtreme High Definition Xtreme High Definition-Single
Net Build Volume (xyz)*	20.4 x 15 x 11.8 in (518 x 381 x 300 mm)
Resolution (xyz) UHD Mode UHDS Mode XHD Mode XHDS Mode	600 x 600 x 1600 DPI; 16 µ layers 600 x 600 x 1600 DPI; 16 µ layers 750 x 750 x 2000 DPI; 13 µ layers 750 x 750 x 2000 DPI; 13 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 CR-BK Visijet CR-WT 200** Visijet CR-CL 200** Visijet CE-BK Visijet CE-NT	Rigid Plastic Black Rigid Plastic White Rigid Plastic Clear Elastomeric Black Elastomeric Natural
Support Material	Visijet S500 non-toxic wax material for hands- free melt-away supports
Material Packaging	Build and support materials in clean 4.41 lbs (2 kg) bottles (printer holds 4 build and 4 support bottles with auto-switching)
Electrical	110-127 VAC, 50/60 Hz, 15A, single phase 200-240 VAC, 50 Hz, 10A, single phase Single C14 receptacle
Dimensions (WxDxH) 3D Printer Crated 3D Printer Uncrated	79 x 65 x 80 in (2007 x 1650 x 2032 mm) 66.9 x 35.4 x 63.8 in (1700 x 900 x 1620 mm)
Weight 3D Printer Crated 3D Printer Uncrated	2600 lbs (1180 kg) 2060 lbs (935 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
Network Compatibility	Network ready with 10/100/1000 base Ethernet interface
Client Hardware Recommendation	Minimum 320Gb internal hard drive capacity OpenGL 1.1 Compatible 1280 x 1024 resolution or better USB 2.0 host, single USB type A receptacle / 3.0 USB thumb drives supported at 2.0 USB speeds for export of log files
Client Operating System	Windows® 7, Windows 8 or Windows 8.1 (Service Pack)
Input Data File Formats Supported	stl, ctI, slc, 3dprint
Post-Processing	Projet Finisher XL 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)
Certifications	CE

* Maximum part size is dependent on geometry, among other factors ** Respectively replaces former Visijet® CR-WT and Visijet® CR-CL

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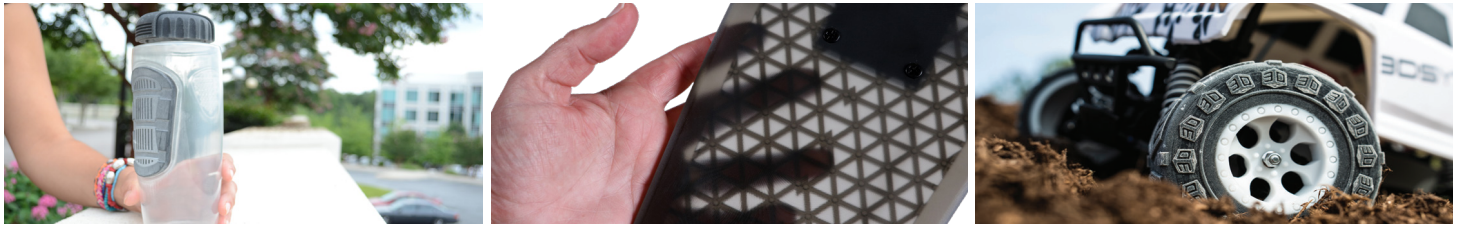
Verschiedenste Materialien passend auf Ihre Anforderung

VISIJET® M3 MATERIALS

Kunststoff Multimaterial- Funktionsprototypen

VisiJet® Base Materials for the ProJet MJP 5600

The VisiJet composite family of materials is precisely mixed by the ProJet MJP 5600 print head on-the-fly to achieve superior mechanical properties and custom performance characteristics to meet your exacting specifications. This ingenious system simultaneously prints and blends together flexible and rigid material composites, layer-by-layer at the pixel level, in a variety of colors and shades including opaque, clear, black or white and numerous shades of gray.



Properties	Condition	VisiJet CR-BK	VisiJet CR-WT 200*	VisiJet CR-CL 200*	VisiJet CE-NT	VisiJet CE-BK
Composition		UV curable plastic	UV curable plastic	UV curable plastic	UV curable elastomeric	UV curable elastomeric
Description		Rigid ABS-like	Rigid ABS-like	Rigid polycarbonate-like	Elastomeric	Elastomeric
Color		Opaque black	Opaque white	Translucent clear	Translucent natural	Opaque black
Bottle Quantity (kg)		2	2	2	2	2
Solid Density (g/cm³)		1.16	1.16	1.16	1.12	1.12
Tensile Strength (MPa)	ASTM D638	37-48	33-40	30-43	0.2-0.4	0.2-0.4
Tensile Modulus (MPa)	ASTM D638	1800-2500	1500-2000	1400-2100	0.27-0.43	0.27-0.43
Elongation at Break	ASTM D638	5-11 %	12-22 %	14-22 %	160-230 %	160-230 %
Flexural Strength (MPa)	ASTM D790	67-80	47-52	40-60	N/A	N/A
Flexural Modulus (MPa)	ASTM D790	1800-2300	1200-1700	1100-2000	N/A	N/A
Impact Strength (Notched Izod) (J/m)	ASTM D256	17-24	21-24	21-30	N/A	N/A
Shore A Hardness	ASTM 2240	N/A	N/A	N/A	27-33	27-33
Shore D Hardness	ASTM 2240	78-83	77-80	77-80	N/A	N/A
24 hr Water Absorption	ASTM D570	0.5%	0.5%	0.5%	0.9%	0.6%
Heat Distortion Temp @ 0.45 MPa @ 1.82 MPa	D648	54-61 °C 48-49 °C	42-47 °C 40-44 °C	42-50 °C 40-44 °C	N/A N/A	N/A N/A
Tear Resistance (kN/m)	ASTM D624	N/A	N/A	N/A	3.1 - 3.7	3.1 - 3.7

* 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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