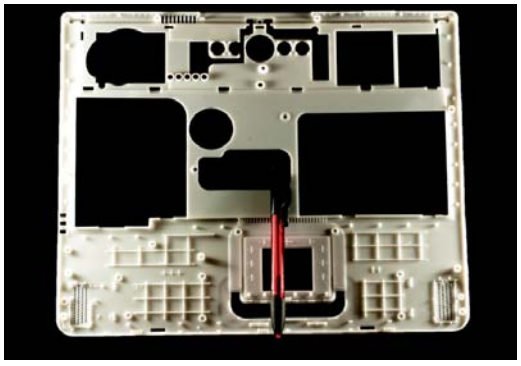
ProJet® 6000 & 7000
Professional 3D Printers

Printer Utility
Precision
SLA® Quality

The Highest
Precision and Accuracy
Professional 3D Printing



3DSYSTEMS

ProJet® 6000 & 7000
Professional 3D Printers

The ProJet® 6000 and 7000 crossover printers offer ease-of-use and low cost of ownership of a 3D printer with print precision and performance quality of production SLA® parts.

The ProJet® crossover printers come in two different sizes, three high definition print configurations and with a wide range of VisiJet® print materials including tough, flexible, black, clear, high temperature, dental and jewelry.

Intuitive Touch Screen

PROJET® 6000 & 7000 BENEFITS

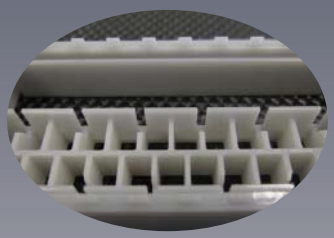
- **Print the highest quality parts available**
- **Delivers the toughest production applications**
- **Wide range of engineered functional materials**
- **Easy to use with intuitive touch screen**
- **Economical to own and operate**

VisiJet® Flex

- Polypropylene-like look and feel
- White opaque color
- High flexibility and shape retention
- High feature resolution and accuracy
- Ideal for snap-fits assemblies

VisiJet® Clear

- Polycarbonate -like look and feel
- Crystal-clear appearance
- Stiff and durable
- USP Class VI capable*
- Ideal for "see-thru" applications
- QuickCast™ capable to producing investment casting patterns



VisiJet® Tough

- PP/ABS-like performance
- Grey opaque color
- High durability and impact strength
- Ideal for form, fit and function testing
- Master patterns for RTV/Silicone molding

VisiJet® Black

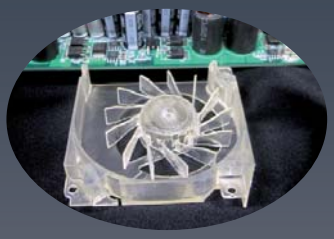
- ABS-like look and feel
- Black Color
- High strength and good dimensional stability
- Ideal for automotive and consumer goods prototyping
- Ideal for electronics housing

VisiJet® Materials
For ProJet® 6000 & 7000 Printers

The wide range of VisiJet® engineered materials offers the toughest and the highest quality parts to meet a variety of commercial and production applications.

Properties	ASTM	VisiJet® Flex	VisiJet® Tough	VisiJet® Clear	VisiJet® Black	VisiJet® HI-Temp	VisiJet® e-Stone™	VisiJet® Jewel
Composition		---------- UV Curable Acrylic Plastic ----------						
Color		White	Grey	Clear	Black	Clear Amber	Peach	Blue
Cartridge Volume		2.0 liters	2.0 liters	2.0 liters	2.0 liters	2.0 liters	2.0 liters	2.0 liters
Density (liquid) @ 25˚C		1.14 g/cm^3	1.13 g/cm^3	1.1 g/cm^3	1.13 g/cm^3	1.17 g/cm^3	1.13 g/cm^3	1.08 g/cm^3
Density (solid) @ 25˚C		1.19 g/cm^3	1.19 g/cm^3	1.17 g/cm^3	1.15 g/cm^3	1.23 g/cm^3	1.19 g/cm^3	1.18 g/cm^3
Tensile Strength	D 638	38 MPa	41 MPa	52 MPa	45 MPa	66 MPa	38 MPa	40 MPa
Tensile Modulus	D 638	1620 MPa	1890 MPa	2560 MPa	2150 MPa	3390 MPa	1630 MPa	1910 MPa
Elongation at Break	D 638	16%	18%	6%	5%	6%	17%	12%
Flexural Strength	D 790	57 MPa	62 MPa	83 MPa	76 MPa	112 MPa	57 MPa	61 MPa
Flexural Modulus	D 790	1420 MPa	1850 MPa	2330 MPa	2350 MPa	3080 MPa	1550 MPa	1824 MPa
Impact Strength (Notched Izod)	D 256	22 J/m	44 J/m	46 J/m	47 J/m	26 J/m	22 J/m	45 J/m
Heat Distortion Temperature (HDT) @ 0.45 MPa	D 648	61 °C	62 °C	51 °C	54 °C	65/130 °C**	61 °C	38 °C
HDT @ 1.82 MPa	D 648	53 °C	54 °C	50 °C	51 °C	57/110 °C**	53 °C	32 °C
Hardness, Shore D		80	86	85	86	86	80	72
Glass Transition (Tg)	DMA, E″	60 °C	52 °C	70 °C	62 °C	62/132 °C**	60 °C	58 °C
USP Class VI Certified*		No	No	Yes	No	No	No	No
ProJet Compatibility		SD, HD, MP	SD, HD, MP	SD, HD, MP	SD, HD, MP	SD, HD, MP	MP	SD, HD, MP

** DISCLAIMER: It is the responsibility of each customer to determine that its use of any Class VI certified VisiJet® material is safe, lawful and technically suitable to the customer's intended applications. Customers should conduct their own testing to ensure that this is the case.*
*** After thermal postcure @ 160 ˚C*



VisiJet® HiTemp

- High temperature resistance to 130˚C+ (266˚F+)
- Translucent
- Humidity and chemically resistant with high rigidity
- Long term stable properties
- Ideal for under-the-hood component testing

VisiJet® Jewel

- Direct casting of jewelry patterns
- High contrast blue color
- Reduce cost and speed process with stone-in-place casting
- Models requiring high detail
- Excellent resolution and accuracy

VisiJet® e-Stone™

- Extreme accuracy and repeatability
- High contrast Peach color, replaces dental stone
- Ideal for crown and bridge restorations
- Working models for partial frameworks
- Orthodontic thermoforming applications

ProJet® 6000 & 7000
Professional 3D Printers

Extend Innovation. Extend Production. Extend Choices.






	ProJet® SD 6000	ProJet® HD 6000	ProJet® MP 6000	ProJet® SD 7000	ProJet® HD 7000	ProJet® MP 7000
FEATURES						
Net Build Volume (xyz)						
Tall	250 x 250 x 250 mm (10 x 10 x 10 in)			380 x 380 x 250 mm (15 x 15 x 10 in)		
Medium	250 x 250 x 125 mm (10 x 10 x 5 in)			N/A		
Short	250 x 250 x 50 mm (10 x 10 x 2 in)			380 x 380 x 50 mm (15 x 15 x 2 in)		
Resolution						
HD - 0.125 mm, 0.125 mm layers	●	●	●	●	●	●
UHD - 0.125 mm, 0.100 mm layers	●	●	●	●	●	●
XHD - 0.075 mm, 0.050 mm layers		●	●		●	●
Accuracy	0.025-0.05 mm (0.001-0.002 inch) per inch of part dimension Accuracy may vary depending on build parameters, part geometry and size, part orientation and post-processing methods					
Materials						
VisiJet® Flex	●	●	●	●	●	●
VisiJet® Tough	●	●	●	●	●	●
VisiJet® Clear	●	●	●	●	●	●
VisiJet® Black	●	●	●	●	●	●
VisiJet® HiTemp	●	●	●	●	●	●
VisiJet® e-Stone™			●			●
VisiJet® Jewel		●	●		●	●
Material Packaging	Material in clean no drip 2.0 liter cartridges. System auto fills print tray between builds					
Electrical	100-240 VAC, 50/60 Hz, single-phase, 750 W					
Dimensions (WxDxH)						
3D Printer Crated	1676 x 889 x 2006 mm (66 x 35 x 79 in)			1860 x 982 x 2070 mm (73.5 x 38.5 x 81.5 in)		
3D Printer Uncrated	787 x 737 x 1829 mm (31 x 29 x 72 in)			984 x 854 x 1829 mm (39.0 x 34.0 x 72 in)		
Weight						
3D Printer Crated		272 kg (600 lb)			363 kg (800 lb)	
3D Printer Uncrated		181 kg (400 lb)			272 kg (600 lb)	
3D Manage 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					
MP Auto Software	Automation utility for rapid manufacturing applications. Included only with the ProJet MP 6000 and MP 7000					
Network Compatibility	Network ready with 10/100 Ethernet interface 4MB					
3D Manage Hardware Recommendation	Core 2 Duo 1.8 GHz with 4 GB RAM (OpenGL support 128 Mb video RAM)					
3D Manage Operating System	Windows XP Professional, Windows Vista, Windows 7					
Input Data File Formats Supported		STL and SLC			STL and SLC	
Operating Temperature Range		18-28 ºC (64-82 ºF)			18-28 ºC (64-82 ºF)	
Noise		< 65 dBa estimated			< 65 dBa estimated	
Certifications		CE marked			CE marked	

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