ProJet® x60 Series

Professional 3D Printers

Fast
Full Colour
Affordable

Full Colour 3D Printing

Large **Capacity**

High **Resolution**

3DSYSTEMS

ProJet® x60 Professional Printers set the standard for true full colour printing, speed and affordability

UNIQUELY FULL COLOUR

Colour and high quality dramatically communicate design intent

- Produce realistic or vivid colour models in one step
- Better communicate the look, feel, and style of product designs
- 3D print text labels, logos, design comments, or images directly onto models
- A range of options, from monochrome printing to professional quality colour
- Multiple print heads provide the best range of accurate and consistent colours

SAFE, OFFICE FRIENDLY & EASY TO USE

Ideal for everyday use in any office or school

- Quiet, safe, odour free
- Continuous negative pressure contains airborne particles
- Eco-friendly, non-hazardous build materials
- Zero liquid waste
- No support structures to remove, no cutting tools or toxic chemicals
- Requires minimal training and expertise
- Intuitive control panel for easy operation

FASTEST PRINT SPEED

High speed and throughput for a range of applications

- 5x-10x faster than all other technologies
- Output models in hours, not days
- Build multiple models at the same time
- Support an entire department with ease

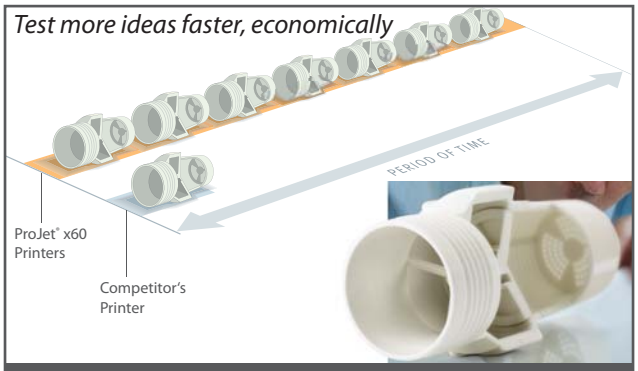
LOWEST OPERATING COST

Affordable for all environments

- Unused core material is recycled for the next build, eliminating waste
- No physical supports are necessary
- Part costs are a fraction of competitive technologies
- Based on reliable, affordable ColourJet Printing (CJP) technology

Tablet & Smartphone remote connectivity

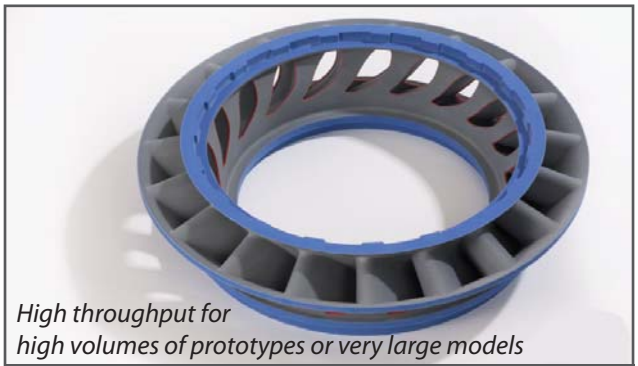
Easiest Connectivity



Fastest Print Speed

Realistic models, prototypes and precise details

High Full Colour Resolution



High throughput for high volumes of prototypes or very large models

Large Parts Capacity

VisiJet® Material for ProJet® x60 Series

The VisiJet® line of materials offers numerous capabilities to meet a variety of commercial applications. Using the ColourJet Printing (CJP) technology, 3D Systems' ProJet® x60 3D Printers use the VisiJet® PXL™ material, set to build strong, high-definition, full colour concept models, assemblies and prototypes, for design realisation, advanced communication, as well as development and production cost reduction. Printed models benefit transportation, energy, consumer products, recreation, healthcare, education and other vertical markets. Parts can be sanded, drilled, tapped, painted and electroplated, which further expands the options available for finished part characteristics. Additionally, models have high-temperature resistance, ideal for digital manufacturing and moulding applications.

INFILTRATED PARTS PROPERTIES

Infiltrant	ColorBond™	StrengthMax™	Salt Water Cure™
Composition	VisiJet® PXL™	VisiJet® PXL™	VisiJet® PXL™
Tensile Strength, MPa	14.2	26.4	2.38
Elongation at Break, %	0.23	0.21	0.04
Modulus of Elasticity, MPa	9,450	12,560	12,855
Flexural Strength, MPa	31.1	44.1	13.1
Flexural Modulus, MPa	7,163	10,680	6,355
Description	Instant-cure infiltrant ideal for colour models to improve strength and colour vibrancy and retention.	Two-part infiltrant ideal for functional models to dramatically improve the strength of the model.	Eco-friendly and hazard-free infiltrant. Ideal for monochrome models and draft-colour. Provides additional surface hardness and modulus upon dipping, or spraying.

ProJet® x60 Series
Professional 3D Printers

Extend Innovation. Extend Production. Extend Choices.






	ProJet® 160	ProJet® 260C	ProJet® 360	ProJet® 460*Plus*	ProJet® 660*Pro*	ProJet® 860*Pro*
Resolution	300 x 450 dpi	300 x 450 dpi	300 x 450 dpi	300 x 450 dpi	600 x 540 dpi	600 x 540 dpi
Colour (number of unique colours per part)	White (monochrome)	64 colours (basic spot colour)	White (monochrome)	More than 2.8 Million (advanced colour)	More than 6 Million (top-of-the-line colour)	More than 6 Million (top-of-the-line colour)
Pastel or vibrant colour options					•	•
Minimum Feature Size	0.016 inches (0.4 mm)	0.016 inches (0.4 mm)	0.006 inches (0.15 mm)	0.006 inches (0.15 mm)	0.004 inches (0.1 mm)	0.004 inches (0.1 mm)
Layer Thickness	0.004 inches (0.1 mm)	0.004 inches (0.1 mm)	0.004 inches (0.1 mm)	0.004 inches (0.1 mm)	0.004 inches (0.1 mm)	0.004 inches (0.1 mm)
Vertical Build Speed	0.8 inch/hour (20 mm/hour)	0.8 inch/hour (20 mm/hour)	0.8 inch/hour (20 mm/hour)	0.9 inch/hour (23 mm/hour)	1.1 inch/hour (28 mm/hour)	0.2 – 0.6 inch/hour (5 – 15 mm/hour); speed increases with volume of prototypes
Prototypes per Build*	10	10	18	18	36	96
Draft Printing Mode (monochrome)					•	•
Net Build Volume (xyz)	9.3 x 7.3 x 5 inches (236 x 185 x 127 mm)	9.3 x 7.3 x 5 inches (236 x 185 x 127 mm)	8 x 10 x 8 inches (203 x 254 x 203 mm)	8 x 10 x 8 inches (203 x 254 x 203 mm)	10 x 15 x 8 inches (254 x 381 x 203 mm)	20 x 15 x 9 inches (508 x 381 x 229 mm)
Build Materials	VisiJet® PXL™	VisiJet® PXL™	VisiJet® PXL™	VisiJet® PXL™	VisiJet® PXL™	VisiJet® PXL™
Number of Jets	304	604	304	604	1520	1520
Number of Print Heads	1	2	1	2	5	5
Automated Setup and Self Monitoring	•	•	•	•	•	•
Core™ Recycling	•	•	•	•	•	•
Automatic Build Platform Clearing				•	•	•
Fine Core™ Removal	Accessory	Accessory	Integrated	Integrated	Integrated	Accessory
Integrated Materials	•	•	•	•	•	•
Intuitive Control Panel	•	•	•	•	•	•
E-mail Notice Capability	•	•	•	•	•	•
Tablet/Smartphone Connectivity	•	•	•	•	•	•
Print3D App	Remote monitoring and control from tablet, computers and smartphones					
Input Data File Formats Supported	STL, VRML, PLY, 3DS, FBX, ZPR	STL, VRML, PLY, 3DS, FBX, ZPR	STL, VRML, PLY, 3DS, FBX, ZPR	STL, VRML, PLY, 3DS, FBX, ZPR	STL, VRML, PLY, 3DS, FBX, ZPR	STL, VRML, PLY, 3DS, FBX, ZPR
Client Operating System	Windows® 7 and Vista®	Windows® 7 and Vista®	Windows® 7 and Vista®	Windows® 7 and Vista®	Windows® 7 and Vista®	Windows® 7 and Vista®
Operating Temperature Range	55-75°F (13 - 24 °C)	55-75°F (13 - 24 °C)	55-75°F (13 - 24 °C)	55-75°F (13 - 24 °C)	55-75°F (13 - 24 °C)	55-75°F (13 - 24 °C)
Operating Humidity Range	20-55% - non-cond.	20-55% - non-cond.	20-55% - non-cond.	20-55% - non-cond.	20-55% - non-cond.	20-55% - non-cond.
Printer Dimensions	29 x 31 x 55 inches (74 x 79 x 140 cm)	29 x 31 x 55 inches (74 x 79 x 140 cm)	48 x 31 x 55 inches (122 x 79 x 140 cm)	48 x 31 x 55 inches (122 x 79 x 140 cm)	74 x 29 x 57 inches (188 x 74 x 145 cm)	47 x 46 x 68 inches (119 x 116 x 162 cm)
Printer Weight	365 lbs (165 kg)	365 lbs (165 kg)	395 lbs (179 kg)	425 lbs (193 kg)	750 lbs (340 kg)	800 lbs (363 kg)
Electrical	90-100V, 7.5A 110-120V, 5.5A 208-240V, 4.0A	90-100V, 7.5A 110-120V, 5.5A 208-240V, 4.0A	90-100V, 7.5A 110-120V, 5.5A 208-240V, 4.0A	90-100V, 7.5A 110-120V, 5.5A 208-240V, 4.0A	100-240V, 15-7.5A	100-240V, 15-7.5A
Noise						
Building	57 dB	57 dB	57 dB	57 dB	57 dB	57 dB
Core Recovery	66 dB	66 dB	66 dB	66 dB	66 dB	66 dB
Vacuum (open)	86 dB	86 dB	86 dB	86 dB	86 dB	86 dB
Fine Decoring	-	-	80 dB	80 dB	80 dB	-
Office Compatibility	•	•	•	•	•	
Certifications	CE, CSA	CE, CSA	CE, CSA	CE, CSA	CE, CSA	CE, CSA

* Based on baseball-size geometry.

3D Systems Europe Ltd.
Mark House, Mark Road
Hemel Hempstead
Herts HP2 7UA - UK
Tel: (+44) 1442 282 600
Email: info@3dsystems-europe.com

3D Systems GmbH
Postfach 12 02 07
D-64239 Darmstadt
Germany
Tel: (+49) 6151 357 0
Email: info@3dsystems-europe.com

www.3dsystems.com

Issue Date: April 2013