

ColorJet Printers

Affordable, photo-realistic full-color parts,
in record time with ProJet[®] CJP 3D printers



Best known for its unparalleled color capabilities, 3D Systems' family of ProJet CJP x60 3D printers can deliver your models faster, at low operating costs.

Make Your Designs Stand Out

Improve communication, increase innovation, reduce development costs and accelerate time-to-market with ColorJet Printing

FULL-SPECTRUM COLOR

Produce high-resolution photo-realistic color models with full CMYK capability to better evaluate the look, feel and style of product designs, without paint. Multiple print heads provide the best range of accurate and consistent colors, including gradients.

LOW OPERATING COSTS

Based on reliable and affordable ColorJet Printing (CJP) technology, ProJet CJP x60 printed parts cost a fraction of competitive technologies. Featuring efficient material use, you eliminate waste and reduce finishing time as no supports are necessary and unused core material is recycled.

HIGH SPEED COLOR 3D PRINTING

CJP technology allows fast print speeds to deliver models in hours, not days, so you can generate multiple iterations at the same time or large parts faster. Its high throughput supports an entire department with ease.

SAFE AND ECO-FRIENDLY

Closed-loop powder loading, removal, and recycling of natural products based build materials make it eco-friendly and safe to use. There are no physical support structures to remove with cutting tools or toxic chemicals.



Turbocharger concept model, with each component color coded for easy identification

Complex models, like this heart, can be printed with gradients on 3D Systems CJP printers



ProJet® CJP x60 Series

True full-color printing, speed and affordability

With some of the fastest print speeds available, the ProJet CJP x60 Series can transform your ideas into photo-realistic concept models and prototypes in hours, at up to 7x lower part cost than other technologies.

WIDEST COLOR SCHEME - Select from a range of printers and associated color options, from monochrome printing to professional quality color with full CMYK, to create stunningly beautiful, full-color parts.

HIGH THROUGHPUT - With up to 5x–10x faster print speeds than other technologies, you can build large or multiple models at the same time in hours. Increase throughput with the stacking and nesting capability and select the “Draft” printing mode (monochrome) on Pro models to print up to 35% faster.

COMPACT TO GENEROUS BUILD VOLUMES - Access full color 3D printing with the affordable and compact ProJet CJP 260Plus printer, up to the large capacity ProJet CJP 860Pro with a build volume of 20 x 15 x 9 inches (508 x 381 x 229 mm) to create very large models or high volumes of prototypes.



CJP parts realistically represent the final product's design intent
Courtesy of Decker Brands



Large-scale architectural models can be printed in one piece

Visijet® PXL Materials for a Variety of Applications

3D Systems ProJet CJP x60 3D printers use Visijet PXL materials to build realistic, high-definition, full-color concept models, assemblies and prototypes. Parts can be sanded, drilled, tapped, painted and electroplated, which further expands the options available for finished part characteristics.

Choose from a range of finishing options to meet your application requirements, from ColorBond infiltration for stronger functional prototypes to wax for creating concept models quickly, safely and affordably.



Visijet PXL + Salt Water infiltrant, ideal for very economical monochrome models



Visijet PXL + ColorBond infiltrant for improved strength and color vibrancy of this bicycle seat model



Visijet PXL + Wax infiltrant for fast, affordable, beautiful color models



Visijet PXL + StrengthMax infiltrant to dramatically improve the strength of this paint gun ergonomic prototype



COMMUNICATION MODELS

3D print text labels, logos, design comments, or images directly onto concept and presentation models.



Courtesy of WhiteClouds

MEDICAL MODELS

Realistic 3D models reduce operating time, enhance patient and physician communication, and improve patient outcome.



Courtesy of WhiteClouds

ARCHITECTURAL AND GEOSPATIAL MODELS

Beautiful, highly detailed architectural and geospatial models improve communication and speed decision making processes.



INDUSTRIAL DESIGN VALIDATION

Rapid design iteration, evaluation and refining, including finite element analysis (FEA) results and assemblies.



EDUCATIONAL MODELS

Engage students by bringing digital concepts into the real world with 3D color models that they can hold in their hands.



ENTERTAINMENT AND ART PIECES

Produce stunning custom avatars, figurines, collectibles and more creations, with ease.

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| | ProJet CJP 260Plus | ProJet CJP 360 | ProJet CJP 460Plus | ProJet CJP 660Pro | ProJet CJP 860Pro |
|--|---|---|---|---|---|
| PRINTER PROPERTIES | | | | | |
| Number of Jets | 604 | 304 | 604 | 1520 | 1520 |
| Number of Print Heads | 2 | 1 | 2 | 5 | 5 |
| Automatic Build Platform Clearing | | | • | • | • |
| Part Cleaning | Accessory | Integrated | Integrated | Integrated | Accessory |
| Intuitive Control Panel | • | • | • | • | • |
| Operating Temperature Range | 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) |
| Operating Humidity Range | 20-55% - non-cond. | 20-55% - non-cond. | 20-55% - non-cond. | 20-55% - non-cond. | 20-55% - non-cond. |
| Dimensions (WxDxH) | | | | | |
| 3D Printer Crated | 94 x 119 x 158 cm (37 x 47 x 62 in) | 140 x 114 x 158 cm (55 x 45 x 62 in) | 140 x 114 x 158 cm (55 x 45 x 62 in) | 218 x 122 x 160 cm (86 x 48 x 63 in) | 163 x 147 x 185 cm (64 x 58 x 73 in) |
| 3D Printer Uncrated | 74 x 79 x 140 cm (29 x 31 x 55 in) | 122 x 79 x 140 cm (48 x 31 x 55 in) | 122 x 79 x 140 cm (48 x 31 x 55 in) | 193 x 81 x 145 cm (76 x 32 x 57 in) | 119 x 116 x 162 cm (47 x 46 x 68 in) |
| Weight | | | | | |
| 3D Printer Crated | 198 kg (437 lbs) | 251 kg (553 lbs) | 273 kg (602 lbs) | 507 kg (1116 lbs) | 448 kg (987 lbs) |
| 3D Printer Uncrated | 165 kg (365 lbs) | 179 kg (395 lbs) | 193 kg (425 lbs) | 340 kg (750 lbs) | 363 kg (800 lbs) |
| 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 | 100-240V, 15-7.5A | 100-240V, 15-7.5A |
| Noise | | | | | |
| Building | 57 dB | 57 dB | 57 dB | 57 dB | 57 dB |
| Core Recovery | 66 dB | 66 dB | 66 dB | 66 dB | 66 dB |
| Vacuum (open) | 86 dB | 86 dB | 86 dB | 86 dB | 86 dB |
| Fine Decoring | - | 80 dB | 80 dB | 80 dB | - |
| Certifications | CE, CSA | CE, CSA | CE, CSA | CE, CSA | CE, CSA |

| | | | | | |
|--|--|---------------------------------------|---------------------------------------|--|--|
| PRINTING SPECIFICATIONS | | | | | |
| Net Build Volume (xyz)* | 236 x 185 x 127 mm (9.3 x 7.3 x 5 in) | 203 x 254 x 203 mm (8 x 10 x 8 in) | 203 x 254 x 203 mm (8 x 10 x 8 in) | 254 x 381 x 203 mm (10 x 15 x 8 in) | 508 x 381 x 229 mm (20 x 15 x 9 in) |
| Color | CMY | White (monochrome) | CMY | Full CMYK | Full CMYK |
| Pastel or Vibrant Color Option | | | | • | • |
| Resolution | 300 x 450 DPI | 300 x 450 DPI | 300 x 450 DPI | 600 x 540 DPI | 600 x 540 DPI |
| Layer Thickness | 0.1 mm (0.004 in) | 0.1 mm (0.004 in) | 0.1 mm (0.004 in) | 0.1 mm (0.004 in) | 0.1 mm (0.004 in) |
| Minimum Feature Size | 0.8 mm (0.03 in) | 0.8 mm (0.03 in) | 0.8 mm (0.03 in) | 0.5 mm (0.02 in) | 0.5 mm (0.02 in) |
| Max. Vertical Build Speed | 20 mm/hour (0.8 in/hour) | 20 mm/hour (0.8 in/hour) | 23 mm/hour (0.9 in/hour) | 28 mm/hour (1.1 in/hour) | 5 - 15 mm/hour (0.2 - 0.6 in/hour); speed increases with volume of prototypes |
| Draft Printing Mode (Monochrome) | | | | • | • |
| Prototypes per build** | 10 | 18 | 18 | 36 | 96 |
| Automated Setup & Self Monitoring | • | • | • | • | • |

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|--|---|---------------------|---------------------|---------------------|---------------------|
| SOFTWARE AND NETWORK | | | | | |
| Input Data File Formats Supported | STL, VRML, PLY, 3DS, FBX, ZPR (varies by software version) | | | | |
| Client Operating System | Windows® 7 & Vista® | Windows® 7 & Vista® | Windows® 7 & Vista® | Windows® 7 & Vista® | Windows® 7 & Vista® |
| Software | Supported by 3D Sprint® software as virtual print volume for file preparation and coloring and by 3DPrint software for printing | | | | |

| | | | | | |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| MATERIALS | | | | | |
| Build Material | Visijet PXL | Visijet PXL | Visijet PXL | Visijet PXL | Visijet PXL |
| Material Recycling | • | • | • | • | • |
| Integrated Materials | • | • | • | • | • |

* Maximum part size is dependent on geometry, among other factors.
 ** Based on baseball-size geometry.

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