

# COLORJET PRINTERS

Brilliant full-color parts with ProJet® CJP x60 3D printers



**ProJet CJP 260C**



**ProJet CJP 360**



**ProJet CJP 460Plus**



**ProJet CJP 660Pro**



**ProJet CJP 860Pro**

|  |   |   |   |   |  |
|--|---|---|---|---|--|
| <b>Net Build Volume (xyz)*</b>             | 9.3 x 7.3 x 5 in<br>(236 x 185 x 127 mm)          | 8 x 10 x 8 in<br>(203 x 254 x 203 mm)             | 8 x 10 x 8 in<br>(203 x 254 x 203 mm)             | 10 x 15 x 8 in<br>(254 x 381 x 203 mm)  | 20 x 15 x 9 in<br>(508 x 381 x 229 mm)   |
| <b>Color</b>                               | CMY   | White (monochrome)                                | CMY   | Full CMYK                               | Full CMYK  |
| <b>Pastel or Vibrant Color Option</b>      |   |   |   | •                                       | •  |
| <b>Resolution</b>                          | 300 x 450 DPI                                     | 300 x 450 DPI                                     | 300 x 450 DPI                                     | 600 x 540 DPI                           | 600 x 540 DPI  |
| <b>Layer Thickness</b>                     | 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 (0.1 mm)  |
| <b>Minimum Feature Size</b>                | 0.04 in (1 mm)                                    | 0.03 in (0.8 mm)                                  | 0.03 in (0.8 mm)                                  | 0.02 in (0.5 mm)                        | 0.02 in (0.5 mm)   |
| <b>Max. Vertical Build Speed</b>           | 0.8 in/hour<br>(20 mm/hour)                       | 0.8 in/hour<br>(20 mm/hour)                       | 0.9 in/hour<br>(23 mm/hour)                       | 1.1 in/hour<br>(28 mm/hour)             | 0.2 – 0.6 in/hour<br>(5 – 15 mm/hour); speed<br>increases with volume of<br>prototypes |
| <b>Draft Printing Mode (Monochrome)</b>    |   |   |   | •                                       | •  |
| <b>Prototypes per Build**</b>              | 10  | 18  | 18  | 36                                      | 96   |
| <b>Number of Jets</b>                      | 604   | 304   | 604   | 1520                                    | 1520   |
| <b>Number of Print Heads</b>               | 2   | 1   | 2   | 5                                       | 5  |
| <b>Build Material</b>                      | VisiJet PXL                                       | VisiJet PXL                                       | VisiJet PXL                                       | VisiJet PXL                             | VisiJet PXL  |
| <b>Automated Setup and Self Monitoring</b> | •   | •   | •   | •                                       | •  |
| <b>Material Recycling</b>                  | •   | •   | •   | •                                       | •  |
| <b>Automatic Build Platform Clearing</b>   |   |   | •   | •                                       | •  |
| <b>Part Cleaning</b>                       | Accessory   | Integrated  | Integrated  | Integrated                              | Accessory  |
| <b>Integrated Materials</b>                | •   | •   | •   | •                                       | •  |
| <b>Intuitive Control Panel</b>             | •   | •   | •   | •                                       | •  |
| <b>Input Data File Formats Supported</b>   | STL, VRML, PLY, 3DS, FBX, ZPR                     |   |   |   |  |
| <b>Client Operating System</b>             | Windows® 7 and Vista®                             | Windows® 7 and Vista®                             | Windows® 7 and Vista®                             | Windows® 7 and Vista®                   | Windows® 7 and Vista®  |
| <b>Operating Temperature Range</b>         | 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)   |
| <b>Operating Humidity Range</b>            | 20-55% - non-cond.                                | 20-55% - non-cond.                                | 20-55% - non-cond.                                | 20-55% - non-cond.                      | 20-55% - non-cond.   |
| <b>Dimensions (WxDxH)</b>                  |   |   |   |   |  |
| 3D Printer Crated                          | 37 x 47 x 62 in<br>(94 x 119 x 158 cm)            | 55 x 45 x 62 in<br>(140 x 114 x 158 cm)           | 55 x 45 x 62 in<br>(140 x 114 x 158 cm)           | 86 x 48 x 63 in<br>(218 x 122 x 160 cm) | 64 x 58 x 73 in<br>(163 x 147 x 185 cm)  |
| 3D Printer Uncrated                        | 29 x 31 x 55 in<br>(74 x 79 x 140 cm)             | 48 x 31 x 55 in<br>(122 x 79 x 140 cm)            | 48 x 31 x 55 in<br>(122 x 79 x 140 cm)            | 76 x 31 x 57 in<br>(193 x 79 x 145 cm)  | 47 x 46 x 68 in<br>(119 x 116 x 162 cm)  |
| <b>Weight</b>                              |   |   |   |   |  |
| 3D Printer Crated                          | 437 lbs (198 kg)                                  | 553 lbs (251 kg)                                  | 602 lbs (273 kg)                                  | 1116 lbs (507 kg)                       | 987 lbs (448 kg)   |
| 3D Printer Uncrated                        | 365 lbs (165 kg)                                  | 395 lbs (179 kg)                                  | 425 lbs (193 kg)                                  | 750 lbs (340 kg)                        | 800 lbs (363 kg)   |
| <b>Electrical</b>                          | 90-100V, 7.5A<br>110-120V, 5.5A<br>208-240V, 4.0A | 90-100V, 7.5A<br>110-120V, 5.5A<br>208-240V, 4.0A | 90-100V, 7.5A<br>110-120V, 5.5A<br>208-240V, 4.0A | 100-240V, 15-7.5A                       | 100-240V, 15-7.5A  |
| <b>Noise</b>                               |   |   |   |   |  |
| 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                                   | -  |
| <b>Certifications</b>                      | CE, CSA   | CE, CSA   | CE, CSA   | CE, CSA                                 | CE, CSA  |

\* Maximum part size is dependent on geometry, among other factors.

\*\* Based on baseball-size geometry.

# VISIJET® PXL MATERIAL

With VisiJet PXL composite for the ProJet CJP x60 printer series, choose from a range of finishing options to meet your needs, from ColorBond infiltration for stronger functional prototypes to wax for creating concept models quickly, safely and affordably.



Photo courtesy of WhiteClouds



| MATERIAL                      | Condition | VisiJet PXL  | VisiJet PXL  | VisiJet PXL  | VisiJet PXL  |
|-------------------------------|-----------|--|--|--|--|
| Infiltrant                    |           | ColorBond™   | StrengthMax™   | Salt Water Cure™   | Wax  |
| <b>Composition</b>            |           | VisiJet PXL + One-part, fast acting adhesive infiltrant  | VisiJet PXL + Two-part, high strength epoxy infiltrant                                       | VisiJet PXL + Eco-friendly and safe salt and water infiltrant                                      | VisiJet PXL + Eco-friendly and safe wax infiltrant                                       |
| <b>Tensile Strength*</b>      | ASTM D638 | 14.2 MPa   | 26.4 MPa   | 2.38 MPa   | 9.2 MPa  |
| <b>Elongation at Break*</b>   | ASTM D638 | 0.23 %   | 0.21 %   | 0.04 %   | 0.09 %   |
| <b>Flexural Strength*</b>     | ASTM D790 | 31.1 MPa   | 44.1 MPa   | 13.1 MPa   | 11.7 MPa   |
| <b>Flexural Modulus*</b>      | ASTM D790 | 7163 MPa   | 10680 MPa  | 6355 MPa   | 4833 MPa   |
| <b>Modulus of Elasticity*</b> | ASTM D638 | 9450 MPa   | 12560 MPa  | 12855 MPa  | 22570 MPa  |
| <b>Description</b>            |           | Quick-cure infiltrant, ideal for color models to improve strength and color vibrancy. The most popular solution. | Two-part epoxy infiltrant, ideal for functional models to dramatically improve the strength. | For monochrome models only. Provides sufficient strength for safe handling and is very economical. | Ideal for fast, affordable, color models. Sufficient strength and smooth surface finish. |

\* Requires 24 hrs of drying time @ 100 °F (37.8 °C)

DISCLAIMER: It is the responsibility of each customer to determine that its use of any VisiJet® and infiltrant materials 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.

## MANUFACTURING THE FUTURE™



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