



ProJet® 5000

Professional 3D Printer

Precision
Productivity
Ease-of-Use



High **Definition**



Large **Capacity**



Hard **Plastic** Parts



3DSYSTEMS®



Featuring the largest build size available, the ProJet® 5000 Professional Printer is designed to deliver maximum productivity in the factory or office. A unique combination of size, precision and ease-of-use make it ideal for large and small durable hard plastic parts with superior feature quality and detail. And this workhorse delivers over 80 hours of unattended operation.

| | |
|--|--|
| Printing Modes | HS - High Speed HD - High Definition UHD - Ultra High Definition |
| Net Build Volume (xyz) | 21.65 x 15.5 x 11.8 inches (550 x 393 x 300mm) |
| Resolution | |
| HS Mode | 375 x 375 x 395 DPI (xyz); 64µ (0.0025 inches) layers |
| HD Mode | 375 x 375 x 790 DPI (xyz); 32 µ (0.0012 inches) layers |
| UHD Mode | 750 x 750 x 890 DPI (xyz); 29 µ (0.0011 inches) layers |
| Accuracy (typical) | 0.001-0.002 inch (0.025-0.05 mm) per inch of part dimension. Accuracy may vary depending on build parameters, part geometry and size, part orientation, and post-processing. |
| E-mail Notice Capability | Yes |
| Tablet/Smartphone connectivity | Yes |
| 5 Year Printhead Warranty | Yes |
| VisiJet® MX Build Material | |
| Description | High durability and strength UV curable plastic, natural colour |
| Density @ 80 °C (liquid) | 1.02 g/cm³ (ASTM D4164) |
| Tensile Strength | 31 MPa (ASTM D638) |
| Tensile Modulus | 1267 MPa (ASTM D638) |
| Elongation at Break | 20% (ASTM D638) |
| Flexural Strength | 39 MPa (ASTM D638) |
| Heat Distortion Temperature | 39 °C @ 0.45 MPa (ASTM D648) |
| VisiJet® S300 Support Material | |
| Description | Non-toxic melt-away wax support material, white |
| Melting Point | 60 °C |
| Softening Point | 40 °C |
| Material Packaging | |
| Build and support materials | In clean 4.41 lbs (2.0 kg) cartridges. System can hold up to eight cartridges with additional material bays (optional) |
| Electrical | 115-240 VAC, 50/60 Hz, single-phase, 1200 W |
| Dimensions (WxDxH) | |
| 3D Printer Crated | 72 x 45.5 x 78 inches (1828 x 1155 x 1981mm) |
| 3D Printer Uncrated | 60.3 x 35.7 x 57.1 inches (1531 x 908 x 1450mm) |
| Weight | |
| 3D Printer Crated | 1555 lbs (708 kg)* |
| 3D Printer Uncrated | 1180 lbs (538 kg)* |
| * Weight based on standard configuration with 4 MDMs (material delivery modules). Add 60lb (28 kg) for each additional pair of MDMs. | |
| ProJet® Accelerator Software | Easy build job set-up, submission and job queue management ; Automatic part placement and build optimisation tools ; Part stacking and nesting capability ; Extensive part editing tools ; Automatic support generation ; Job statistics reporting tools |
| Print3D App | Remote monitoring and control from tablet, computers and smartphones |
| Network Compatibility | Network ready with 10/100 Ethernet interface |
| Client Hardware Recommendation | 1.8 GHz with 1GB RAM (OpenGL support 64 mb video RAM) or higher |
| Client Operating System | Windows XP Professional, Windows Vista, Windows 7 |
| Input Data File Formats Supported | STL and SLC |
| Operating Temperature Range | 64-82 °F (18-28 °C) |
| Noise | < 65 dBA estimated (at medium fan setting) |
| Certifications | CE |

