MultiJet Plastic Printers

Fast and easy printing of functional precision plastic, elastomeric and composite parts with ProJet® MJP 3D printers
Benefits of MultiJet Printing

MultiJet Printing (MJP) technology offers fast print times, easy operation and simple post-processing for high productivity and true simplicity, from file to finished part. Produce the highest fidelity, most true-to-CAD parts of any jetting 3D printing process.

GET MORE PARTS FASTER
With fast print speeds, easy post-processing and advanced software for a streamlined workflow, getting accurate, high quality parts for your project or application is easier and faster than ever.

TRUE-TO-CAD FIDELITY
Even tiny features come out right—and there's no risk of breaking small details during post-processing, allowing for greater geometric freedom. Compare corners and edges—MJP parts have the best defined geometry of any jetting 3D printer.

INDUSTRIAL GRADE PRINT HEADS
Every MJP printer comes with an industrial-grade print head designed for long life and high reliability.

SIMPLE FILE-TO-PART WORKFLOW
The ProJet MJP Series is driven by 3D Sprint®. This exclusive additive manufacturing software for 3D Systems plastic printers streamlines your file-to-part workflow, from preparing and optimizing CAD data to managing the additive manufacturing process.

EASY POST-PROCESSING
Finishing MJP parts is as easy as melting wax. No hand scraping, high-pressure water jets, caustic chemical baths, or special facilities requirements.

ADVANCED MATERIALS DIVERSITY
The wide range of VisiJet® advanced plastic, elastomeric and composite materials for MJP printers produces high performance parts.

More Materials, More Applications
The wide range of VisiJet plastic materials for the ProJet MJP Series enables a broad set of applications for rapid tooling, jigs and fixtures, concept models, form and fit testing, functional prototypes and medical applications requiring USP Class VI and ISO 10993 certification.

RIGID MATERIALS
VisiJet Rigid materials print plastic parts with extreme durability and high rigidity that look and feel like injection molded parts with an exceptionally smooth finish. Rigid materials are available in a variety of colors from white, black and clear, to gray, tan, natural and blue.

ENGINEERING GRADE MATERIALS
VisiJet Armor and VisiJet ProFlex bring a new level of durability and strength to MJP printing. VisiJet Armor is a tough, ABS-like material with high impact resistance and a superior clear finish. VisiJet ProFlex is a strong polypropylene-like material with exceptional pliability.

ELASTOMERIC MATERIALS
High performance elastomeric materials for MJP printers have an amazing elongation and Shore A hardness. Suitable for prototyping a wide range of mechanical applications requiring rubber-like functionality, these materials are ideal for gaskets, overmolds, and other applications requiring extreme flex properties.

CASTING MATERIALS
VisiJet M3 Procast plastic material provides high direct micro-casting performance for a variety of applications, such as extremely small and delicate jewelry pieces, medical instruments, devices and other custom cast metal applications.
PROFESSIONAL PRODUCTIVITY

Step up from desktop 3D printers to 24/7 usability and get more parts sooner, with same day design verification capability.

AFFORDABLE PRICE

You no longer have to compromise on part fidelity to get an affordable 3D printer. The ProJet MJP 2500 and 2500 Plus are the most affordable MJP printers, yet still offer higher fidelity and more accurate prints than other printers costing up to ten times more.

CAPABLE PLASTIC AND ELASTOMERIC MATERIALS

Engineered for performance, VisiJet Rigid materials deliver durable white, black, gray, tan or clear plastic parts, VisiJet Armor offer ABS-like tough properties, VisiJet ProFlex brings Polypropylene-like properties and VisiJet M2 elastomeric materials deliver parts with outstanding elongation and full elastic recovery.

PROFESSIONAL QUALITY

Make sure your prototypes look, feel and perform as designed. Get professional quality, true-to-CAD fidelity and precision with 3D Systems’ easy MJP workflow.

MJP EasyClean System

There’s no manual support removal needed with Multijet Printers. The MJP EasyClean System is a new, incredibly simple way to remove supports from MJP parts in under 30 minutes.

Two warmer units use steam and soy-based or mineral oil to melt wax supports away, without manual labor and without damaging your printed parts.
ProJet® MJP 3600 Series
High throughput, resolution and performance

The ProJet MJP 3600 and 3600 Max provide a larger build volume and exceptionally fast print speeds, so you can get more parts printed faster. Its automated batch post-processing removes support up to 4x faster than other processes and provides more productivity to design evaluation and prototyping needs.

HIGH PERFORMANCE PLASTICS, VERSATILE APPLICATIONS
Visijet M3 materials deliver toughness, durability, stability, high temperature resistance, watertightness, biocompatibility and castability.

HIGH THROUGHPUT
With up to twice the print speed of similar class printers, you can print more parts and get them in your hands faster.

HIGH DEFINITION PARTS
When getting the finest details right matters, no other jetting printer beats the MJP 3600 Series. High fidelity, smooth surface finish, sharp edges and finest details are preserved by hands-free and safe post-processing.

PHASE CHANGE PROCESS
3D Systems MJP employs proprietary thermally-controlled materials for superior print definition. As each heated droplet of material is jetted, it immediately cools and holds its shape as it lands on the part or support surface.

- Printed material does not “ooze” over edges or pool in corners
- Edges are sharp, holes are round, corners are clean
- Ensures excellent sidewall quality

MJP parts simulate the look and feel of many injection molded plastics so you can approximate visually and test functionally.

Part accuracy and material performances perfectly suit rapid tooling applications.
ProJet® MJP 5600
Large format, multi-material composite parts in a single build

Your products are made of multiple materials—now your prototypes can be printed with varying degrees of flexibility, transparency and differentiated shades in one part, giving your 3D prints more realistic mechanical properties for large and small parts.

EXCEPTIONALLY HIGH THROUGHPUT
Combine an over 50% larger build volume with up to 2x faster print speeds and up to 4x faster post-processing than similar class solutions for high-throughput printing. The ProJet MJP 5600 is fast when printing composite materials, and even faster when printing single materials.

SUPERIOR PART QUALITY
Get greater geometric freedom and part functionality with multi-material composite printing that delivers accurate, true-to-CAD parts with superior surface finish, sharp edges and fine details.

DOZENS OF MATERIAL CHOICES
This printer and material system simultaneously prints and blends flexible and rigid photopolymers, layer-by-layer at the voxel level, to achieve superior mechanical properties for a variety of applications, including over-molded parts, multi-material assemblies, rubber-like components, jigs and fixtures, dies and more.

MECHANICAL FUNCTIONAL TESTING
Validate that designs perform correctly in the real world. Find and fix problems early, before committing to tooling.

CONCEPT COMMUNICATION
Bring your ideas to life with realistic models for colleagues, customers and others.

RAPID TOOLING
Print injection molds, hydroforming dies, patterns and other short-run tooling for concept and bridge production.

FORM AND FIT ASSEMBLY TESTING
Check interactions and clearances between components to ensure proper assembly.

ERGONOMIC STUDIES
There's no substitute for holding a part and exploring it from all angles. MJP parts are smooth, beautiful and accurate for ergonomic testing.

JIGS AND FIXTURES
3D print jigs and fixtures quickly and free up CNC equipment for production.
### Accuracy

Accuracy may vary depending on build parameters, part geometry and size, part orientation, and post-processing. The performance characteristics of these products may vary according to product application, operating conditions, material combined with, or with end use. 3D Systems makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use.

### Build Envelope Capacity

<table>
<thead>
<tr>
<th>Max Build Envelope Capacity (W x D x H)</th>
<th>Projet MJP 2500</th>
<th>Projet MJP 2500 Plus</th>
<th>Projet MJP 3600</th>
<th>Projet MJP 3600 Max</th>
<th>Projet MJP 5600</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD Mode: 11.75 x 7.3 x 8 in (298 x 185 x 203 mm)</td>
<td>11.6 x 8.3 x 5.6 in (294 x 211 x 144 mm)</td>
<td>HD Mode: 11.75 x 7.3 x 8 in (298 x 185 x 203 mm)</td>
<td>UHD &amp; XHD Modes: 8 x 7.3 x 8 in (203 x 185 x 203 mm)</td>
<td>All Modes: 20.4 x 15 x 11.8 in (518 x 381 x 299 mm)</td>
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### Resolution (xyz)

- **HD Mode:** 800 x 900 x 790 DPI, 32 µ layers
- **UHD Mode:** 750 x 750 x 890 DPI, 29 µ layers
- **XHD Mode:** 750 x 750 x 1600 DPI, 16 µ layers
- **UHD & UHDS Modes:** 600 x 600 x 1600 DPI, 16 µ layers
- **XHD & XHDS Modes:** 750 x 750 x 2000 DPI, 13 µ layers

### Typical Accuracy

±0.001-0.002 inch per inch (0.025-0.05 mm per 25.4 mm) of part dimension (on platform)

Accuracy may vary depending on build parameters, part geometry and size, part orientation and post processing.

### Build Materials

- **VisiJet M2R-WT**: Rigid White
- **VisiJet M2R-BK**: Rigid Black
- **VisiJet ProFlex M2G-DUR**: Durable, Polypropylene-like
- **VisiJet M2R-CL**: Rigid Clear
- **VisiJet M2R-GRY**: Rigid Gray
- **VisiJet M2R-TN**: Rigid Tan
- **VisiJet M2 EBK**: Elastomeric Black
- **VisiJet M2 ENT**: Elastomeric Natural
- **VisiJet Armor M2G-CL**: Clear, ABS-like
- **VisiJet ProFlex M2G-DUR**: Durable, Polypropylene-like
- **VisiJet M3-X**: Rigid White
- **VisiJet M3 Crystal**: Rigid Clear
- **VisiJet M3 Black**: Rigid Black
- **VisiJet M3 Proplast**: Rigid Natural
- **VisiJet M3 Navy**: Rigid Blue
- **VisiJet M3 Techplast**: Rigid Gray
- **VisiJet M3 Procast**: Castable
- **VisiJet M3-X**: Rigid White
- **VisiJet M3 Crystal**: Rigid Clear
- **VisiJet M3 Black**: Rigid Black
- **VisiJet M3 Proplast**: Rigid Natural
- **VisiJet M3 Navy**: Rigid Blue
- **VisiJet M3 Techplast**: Rigid Gray
- **VisiJet M3 Procast**: Castable
- **VisiJet CR-WT 200**: Rigid White
- **VisiJet CR-CL 200**: Rigid Black
- **VisiJet CE-BK**: Elastomeric Black
- **VisiJet CE-NT**: Elastomeric Natural

### Support Material

Eco-friendly, easily removable wax

### Post-processing

- MJP EasyClean System or ProJet Finisher
- ProJet Finisher
- ProJet Finisher XL

### Included Software

- 3D Sprint

### Standard Warranty

- 1 year parts and labor

### Base materials:

- VisiJet CR-WT 200, CR-CL 200
- VisiJet CE-BK
- VisiJet CE-NT

### Plus more than 100 composite combinations

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1 USP Class VI and/or ISO 10993 capable
2 Respectively replaces former VisiJet M2 RWT, RBK and RCL materials