



Multijet Jewelry Wax Pattern 3D Printers

High capacity, high speed production of precision RealWax™ patterns for maximum metal casting efficiency



Benefits of Wax Pattern Multijet Printing

The ProJet MJP 2500W, 3600W and 3600W Max 3D printers employ Multijet Printing technology to consistently produce high fidelity, true-to-CAD wax sacrificial patterns, in an office, lab or workshop environment, for precision investment casting.

PERFORMANCE CASTING WAXES

Visijet® M2 and M3 100% wax materials melt like standard casting waxes, with negligible ash content in casting. They are durable for handling and casting fine features, and the high contrast purple or navy blue colors allow for better detail visualization.

GET MORE PATTERNS FASTER

Streamline your file-to-part workflow with the advanced 3D Sprint® software capabilities, fast and versatile MJP print speeds and batch support removal to deliver high quality, ready-to-cast patterns.

UNLOCK YOUR CREATIVITY

Increase geometric freedom without the limitations of hand crafting or tooling to create complex parts that cannot be made traditionally. MJP hands-free post-processing provides complete removal of supports from the tightest spaces without damaging fine feature details.

RESULTS YOU CAN TRUST

Produce true-to-CAD patterns with exact, razor-sharp edge and fine feature definition for results you can rely on. Smooth surface and sidewall quality means less expensive hand finishing and faster pattern to part workflow.



JEWELRY / WATCH MANUFACTURING

Print crisp details on small features and micro-pave settings. Consistently achieve the highest level of precision and repeatability by adopting a digital foundry workflow for jewelry manufacturing.



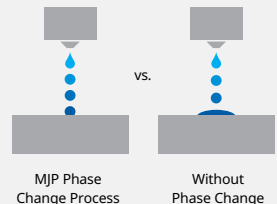
ART, FASHION AND COLLECTIBLES

Produce series or customized sculptures, figurines, replicas, collectibles and more without the constraint of tooling limitations. Our wax pattern printers make production methods faster, easier and more effective, dramatically reducing lead times.

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



Projet® Wax 3D Printers

Superior quality wax casting patterns,
unmatched throughput

CASTING RELIABILITY

Visijet® M2 and M3 CAST 100% RealWax™ materials deliver durable patterns for reliable performance and results throughout existing lost-wax casting processes.

HIGH THROUGHPUT

From fast short runs to high throughput, produce wax patterns in large volume up to 10 times faster than similar class printers. Improve the casting room efficiency and thereby the productivity, precision and possibilities of direct investment jewelry casting.

HIGH CAPACITY AND VERSATILITY

A build area of up to 4.7 times larger than similar class printers allows for broader application coverage and extended unattended operation. Projet MJP wax printers' high productivity means fast amortization and high return on investment.



Projet MJP 2500W fast and affordable precision wax patterns 3D printer



Visijet M2 CAST



Projet MJP 3600W Series high-capacity, high throughput precision wax pattern 3D printer

LOWER COSTS

Eliminate tooling time, costs and geometric limitations, optimize part and labor costs with MJP ease-of-use, automated and efficient process—from file to finished direct casting pattern.

HIGH QUALITY PATTERNS

Print sharp edges, extreme crisp details and smooth surfaces with high fidelity. Projet MJP wax printers are ideal for intricate precision jewelry pieces manufacturing with reduced metal hand polishing.



Visijet M3 Hi-Cast



Visijet M3 CAST

Projet MJP 2500W**Projet MJP 3600W****Projet MJP 3600W Max****Build Envelope****Capacity (X x Y x Z)**

HD Mode	-	11.75 x 7.3 x 8 in (298 x 185 x 203 mm)	11.75 x 7.3 x 8 in (298 x 185 x 203 mm)
UHD Mode	-	6 x 7.3 x 8 in (152 x 185 x 203 mm)	11.2 x 7.3 x 8 in (284 x 185 x 203 mm)
XHD Mode	11.6 x 8.3 x 5.6 in (294 x 211 x 144 mm)	6 x 7.3 x 8 in (152 x 185 x 203 mm)	11.2 x 7.3 x 8 in (284 x 185 x 203 mm)

Build Materials

Visijet M2 CAST – 100% wax

Visijet M3 CAST and M3 Hi-Cast – 100% wax

Support MaterialVisijet M2 SUW – Eco friendly,
hands-free dissolvable waxVisijet S400 – Eco friendly,
hands-free dissolvable wax**Resolution**

HD Mode	-	375 x 450 x 790 DPI; 32 μ layers
UHD Mode	-	750 x 750 x 1300 DPI; 20 μ layers
XHD Mode	1200 x 1200 x 1600 DPI; 16 μ layers	750 x 750 x 1600 DPI; 16 μ layers

Typical Accuracy

± 0.002 in/in (± 0.0508 mm/25.4 mm)
of part dimension typical for any
single printer
 ± 0.004 in/in (± 0.1016 mm/25.4 mm)
of part dimension across printer
population

± 0.001 - 0.002 in per in
(0.025 - 0.05 mm per 25.4 mm)
of part dimension

Included Software

3D Sprint

Standard Warranty

1 year parts and labor



Ring printed in Visijet M2 CAST and cast in silver

Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, material combined with, or 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.



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