

ProJet MJP2500W

The Fast and Precise Wax Pattern Printer

Combine up to 10x faster print speeds and nearly 4x larger build volume than similar class printers with rapid single lane printing for high productivity of 100% wax precision metal casting patterns with an affordable 3D printer designed specially for casters and jewelers.



The most reliable wax 3D printer in the world!

VisiJet M2 Cast

VisiJet[®] M2 CAST is a new 100% wax 3D printing material for the ProJet[®] MJP 2500W wax printer, delivering durable, high quality patterns for reliable performance and results throughout existing lost-wax casting processes and equipment. Its high contrast purple color allows for fine detail visualization.

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, ideal for intricate precision manufacturing with reduced metal hand polishing.

High Throughput

From fast short run cycle times to high throughput, produce large volume wax patterns up to 10X faster. Improve the casting room efficiency to increase the productivity, precision and possibilities of direct investment casting.





Benefits of Wax Pattern Multijet Printing

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.



Performance Casting Waxes

Visijet® M2 100% wax material melts like standard casting waxes, with negligible ash content in casting. They are durable for handling and casting fine features, and the high contrast purple allow for better detail visualization.



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.

Applications

- Rapid Metal Casting Prototyping
- Pre-series and series of end-use metal parts production
- Custom Metal Parts Manufacturing

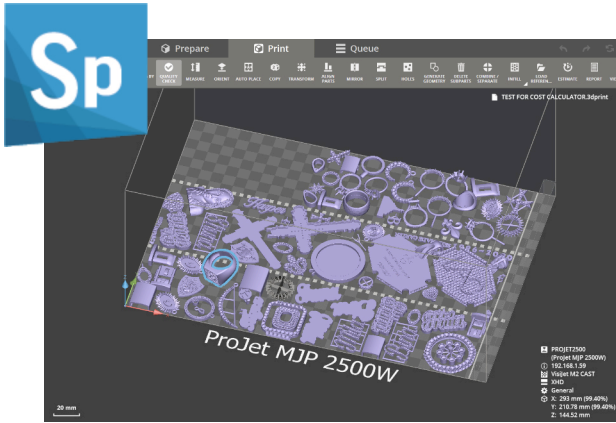


Features

- Multijet Printing Technology
- Build Envelope Capacity:
11.6 x 8.3 x 5.6 in
295 x 211 x 142 mm
- 100% Wax Metal Casting Patterns for use with standard processes
- Streamlined File to Print Workflow with 3D Sprint software
- Fast and easy post-processing with dissolvable supports

Benefits

- Get more patterns faster to keep up with your casting workflow
- High fidelity patterns you can rely on being true to CAD
- Exceptional Sharp Edges, fine feature definition and smooth surfaces
- Greater geometric freedom with high performance, durable casting wax
- Compatible with your office environment
- Low total cost of ownership



3D Sprint

Streamlined All-In-One 3D Printing Solution

3D Sprint® is exclusive software from 3D Systems for preparing and optimizing CAD and polygon data and managing the additive manufacturing (AM) process for 3D Systems multi-jet printing (MJP). Included with every 3D systems 3D Printer, this robust software enables you to 3D print better parts without any additional high-priced software.

Romanoff offers optional **3D Sprint Software Training** to get you up to speed with your new 3D Systems purchase and straight to your production in record time!



Import

Directly import native CAD files from industry-leading CAD systems, which greatly reduces the need for file repair and fixing, shortens the file preparation time, and facilitates the design-to-print process.



Repair

Automatically analyze part geometry; correct errors for translation issues in your CAD or STL design files and bad polygon geometry in 3D scans; and select, edit, and delete polygons and intelligently fill holes and gaps in your polygon data with manual polygon editing tools.



Place

Save custom placement styles and optimize the printer volume for maximum efficiency and productivity with comprehensive auto placement including requirement-driven orientation, dense 3D nesting, and automatic pre-printing quality checking.



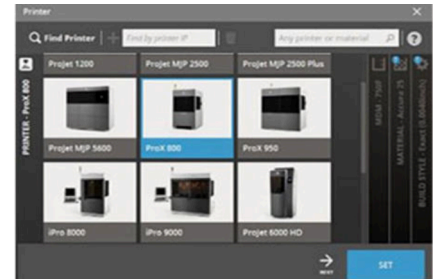
Support

Achieve better surface quality for printed parts that are easier to remove using less material and post processing with automatic, intelligent, finely-tuned support generation and optimized preset profiles accompanied by a full range of structure and anchor point extraction parameters.

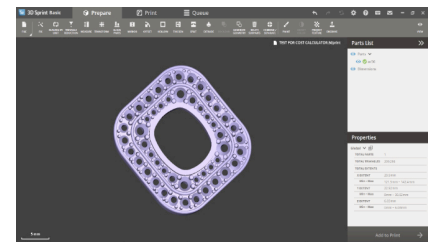


Print

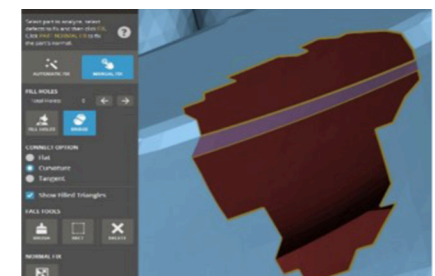
Achieve accurate and powerful slicing and accurate build time and material estimates. Submit print jobs directly from your print workspace or load 3D Sprint build files created on another system directly to the printer. Manage your directly-connected printer or get visibility for all networked or shared printers to control job priorities with queue management tools.



Multiple Machines - One Robust Software



Automate Your Design Process



Analyze and Repair With Ease