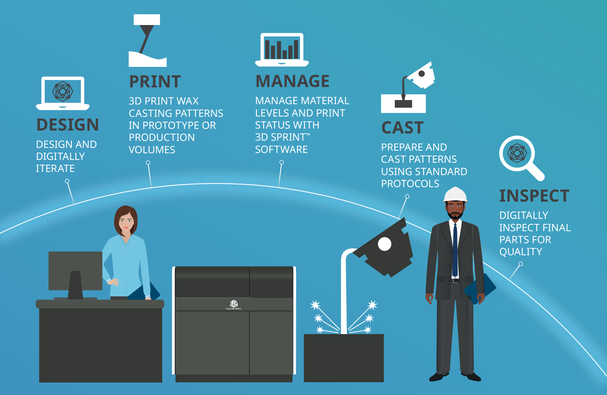
3D SYSTEMS
Additive Manufacturing Solutions

Wax 3D Printing for the Digital Foundry

Get production-grade investment casting patterns quickly and cost-effectively with the ProJet® MJP 2500 IC and a digital workflow

Foundries are ready to evolve. To facilitate the transition from an analog to digital workflow, 3D Systems has advanced 3D printing materials and methodologies for scalable printing of 100% wax investment casting patterns. Digital foundry solutions offer a profitable way for foundries to achieve production-grade casted parts faster and more affordably than ever before, with zero tooling.

3D Systems' digital foundry solutions eliminate the need for tooling to bring new agility and cost-effectiveness to investment casting pattern production and enable higher performing, more complex parts for casting in production volumes.



BENEFITS OF THE DIGITAL FOUNDRY

- ✓ Complex, performance-optimized casting patterns seamlessly integrate into existing workflow
- ✓ Plug-and-play printer operability—no technical expertise required
- ✓ Flexibility to modify or change pattern design at any time without lost time or tooling investment
- ✓ Scalable to mid-volume production with the ability to increase productivity using additional printers

Dramatically Reduce Lead Times and Gain Design Flexibility

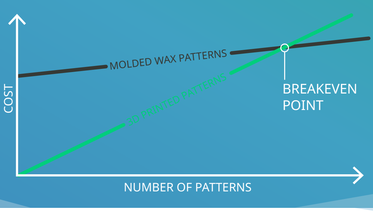
3D printed investment casting patterns offer an affordable way to create complex cast parts in production volumes.

ANALOG		DIGITAL
2 TO 12 WEEKS WAITING FOR MOLD TOOLING	VS.	3D PRINTED PATTERNS OVERNIGHT
TIME AND MONEY LOST TO TOOLING		FLEXIBILITY TO UPDATE DESIGN AT ANY TIME

Shrink Costs by Orders of Magnitude

The production cost crossover point for the ProJet MJP 2500 IC vs. tooling is ~300 units for parts that each have a volume of 3 cubic inches or less; the crossover is higher for smaller and/or more complex, optimized designs.

TOTAL PATTERN COST VS. NUMBER OF PATTERNS



Enabling the Digital Workflow

By enabling the shift from analog tooling to a digital workflow for production-grade investment casting wax patterns, 3D Systems' solutions help foundries:

ELIMINATE
tooling storage and maintenance costs

OPTIMIZE
cast part designs and performance

IMPROVE
customer response times

DELIVER
premium, accelerated service

Find out more

Want to learn more about the ProJet MJP 2500 IC?

Watch the Video