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 allow foundries to bring new parts to market faster, cut costs, and operate at higher performance than ever before, with zero tooling.

3D Systems’ digital foundry solutions eliminate the need for tooling to bring new parts to market faster and more cost-effectively than ever before, with zero tooling, and enable foundries to achieve production-grade casted parts faster and more affordably than ever before, with zero tooling.

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

Dramatically Reduce Lead Times and Gain Design Flexibility

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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.

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:

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

BENEFITS OF THE DIGITAL FOUNDRY

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

Find out more

Want to learn more about the ProJet MJP 2500 IC?

Watch the Video

3dsystems.com