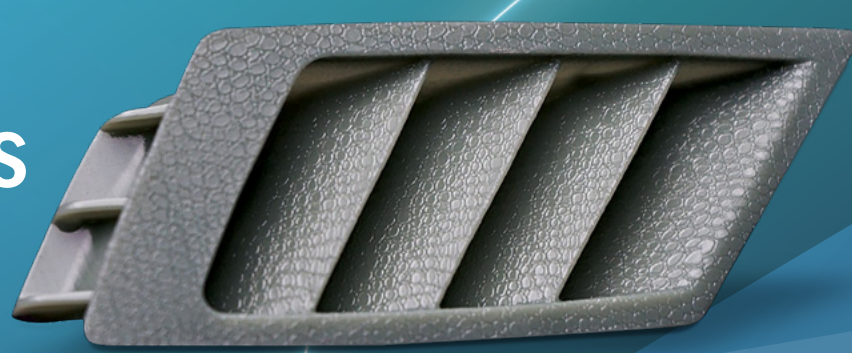


# 4 Reasons to Implement Plastic Additive Manufacturing in Production Workflows



## 3D Printing in the Production Environment

From prototyping, to production enablement, to direct 3D production – 3D printing (also called additive manufacturing) has become a viable and cost-effective technology throughout the production environment.

Here are 4 reasons plastic additive manufacturing is right for your production environment:

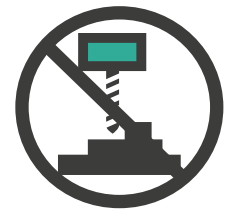
### 1. You need parts with specific material properties

3D printing offers a range of material options to deliver parts with properties that can rival traditional materials, including:

- Durability
- Flexibility
- Toughness
- Wear resistance
- Transparency
- Temperature resistance
- Flame retardancy
- Castability
- Biocompatibility

### 2. You are looking to reduce production costs

Across applications and technologies, 3D printing can drive lower costs throughout prototyping and production by simplifying supply chains.



#### TOOLING

Dramatically reduce or even eliminate the need for tooling by enabling on-demand production.



#### JIGS & FIXTURES

3D printing jigs and fixtures ensures high quality assembly that maximizes man-hours and minimizes waste.



#### MASTER PATTERNS

The high accuracy of 3D printing is perfect for creating master patterns for vacuum casting, molds and investment casting to lower costs for short-run production.



#### DIGITAL MOLDING

3D Systems Figure 4 platform can enable up to 20% lower parts costs in direct 3D production of 500 parts as compared to traditionally manufactured parts and operations.

### 3. You want to accelerate your time-to-market

3D printing workflows compress the product development cycle to accelerate time-to-market without compromising part quality or performance.



#### INTRODUCE NEW PRODUCTS FASTER



#### COMPRESS THE PRODUCT DEVELOPMENT CYCLE



#### DESIGN AND DELIVER BETTER PERFORMING PRODUCTS

#### CASE STUDY

Product design firm **reduces product time-to-market by 50%** and **lowers prototyping costs by nearly 99%** with Multijet 3D printing.



### 4. You are ready to unlock big opportunities within your business

Additive manufacturing offers the unique opportunity to drive leadership and innovation with new capabilities.



- Complex geometries
- Optimized designs
- Customized products
- High part quality
- Process accuracy & repeatability
- Production flexibility



## eBook Plastic Additive Manufacturing for your Production Environment

The material, speed, cost and capability considerations when evaluating additive manufacturing

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