

Lower costs.
Faster tooling.

General Motors (GM) connects its plants through an extensive network of industrial 3D printers and shared digital manufacturing capabilities. Teams can respond faster to production problems, scale proven solutions across sites and reduce tooling costs while keeping production moving.

$1.4M

Reported annual savings

Lansing Delta Township

40+

Industrial F900 systems deployed

GM Global

3-4 days

For work that took a month+

Fort Wayne

Manufacturing agility at scale

GM relies on 40+ industrial Stratasys F900 systems as production workhorses across its global plant network. At Lansing, the team runs its printer 24 hours a day, seven days a week.

With tight tolerances and highly repeatable performance, this standardized FDM platform helps plants reproduce proven shop-floor tooling using shared designs and common equipment and materials. GM can scale successful applications, respond faster and sustain throughput.

> “Using additive manufacturing technology here and printing everything in the plant we can see on **average 80%-90% cost savings vs. traditional machining.**

Hanan Alattar
Controls Engineer & Additive Manufacturing Lead
Factory ZERO

Reported customer results. Sources: Stratasys GM customer story and Stratasys deployment information.

Solve locally. Scale across plants.

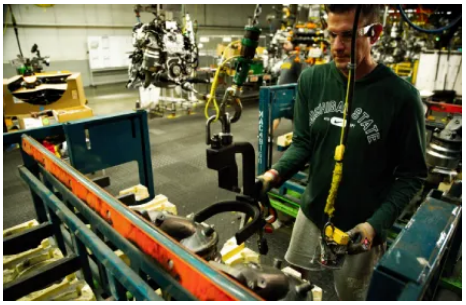
Three days instead of a month

At Fort Wayne, GM reports completing work in three to four days that previously took a month or more. Printing tooling in the plant gives production teams a faster route from an identified need to a usable solution.

That responsiveness matters most when production is interrupted. During a line-down situation at Factory ZERO, the team printed a robot end-effector bracket in four hours instead of waiting weeks for conventional manufacture.



Stratasys FDM on GM's shop floor.



SVCC lift assist in use at GM.

A lift assist that fits the job

91% lower cost
SVCC lift-assist application

66% faster
Lead time

The conventional tool proposed for lifting and installing a catalytic converter was too large for the available space. GM's additive tool works with a hoist to hold the component securely within the working envelope.

From daily tools to spare parts

At Fort Wayne, a printed camera mount supports conveyor monitoring, with its design stored in GM's catalog for other plants to reuse. At Lansing, teams can print backup assembly tools in-house to replace broken ones quickly. These everyday applications point toward a digital spare-parts inventory: designs ready to print where and when they are needed.

> "We can digitize our entire spare parts inventory.
>
> **Ryan Odegaard**
> Manufacturing Engineering Director
> Global Paint, Polymers and Additive Center



Why GM relies on Stratasys

Stratasys combines large-format FDM® systems, engineering thermoplastics and application expertise for demanding tooling applications. At Fort Wayne, GM values the F900® for its tight tolerances and dependable operation.

stratasys

ISO 9001:2015 Certified

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