



Flambeau[®] INC.

TECH report

**Shaping the
Products of
Tomorrow...
in Plastic[®]**

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Flambeau International Manufacturing & Sales Facilities

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Flambeau Europlast, Ltd.
Ramsgate, Kent, England

Flambeau Trading (Shenzhen) Co., Ltd.
Shenzhen, Guangdong, China

Flambeau Engineering Services

Flambeau Technologies Tool Group
Baraboo, Wisconsin, USA

3D Scanning

Flambeau utilizes the latest technologies in order to provide its customers with high quality, precisely engineered products. Engineers with Flambeau Technology Center (FTC) in Baraboo, Wisconsin, utilize a state-of-the-art 3D scanner by Hexagon[®] Manufacturing Intelligence that assists Flambeau in maintaining its high standards of excellence for its products and services.

▼ The RS6 scanner helps Flambeau with dimensional inspections of customers' plastic parts.

With cutting-edge blue-laser technology and advanced programming, the RS6 scanner helps Flambeau with dimensional inspections of customers' plastic parts. A blow-molded automotive air duct, for example, can be analyzed in 3D without the size distortions that may occur using a less precise caliper measuring device.



Project Engineer using RS6 Hexagon 3D Scanner

▼ Scanner is an indispensable tool for reverse engineering an existing mold and helping a customer re-imagine a product or part

The scanner is also an indispensable tool for reverse engineering an existing mold and helping a customer re-imagine a product or part, or to find a fix. Creating this type of 3D scan enables Flambeau to identify problems, for example, and compare 3D models to existing CAD models. In one case, this comparison led to precise adjustments to a nesting fixture, which provided a far less costly and time-consuming process and resulted in the solution needed.

With 3D prototype capability,

Flambeau assures customers that the manufacturing of their products and parts is streamlined by utilizing up-to-date methods and equipment.

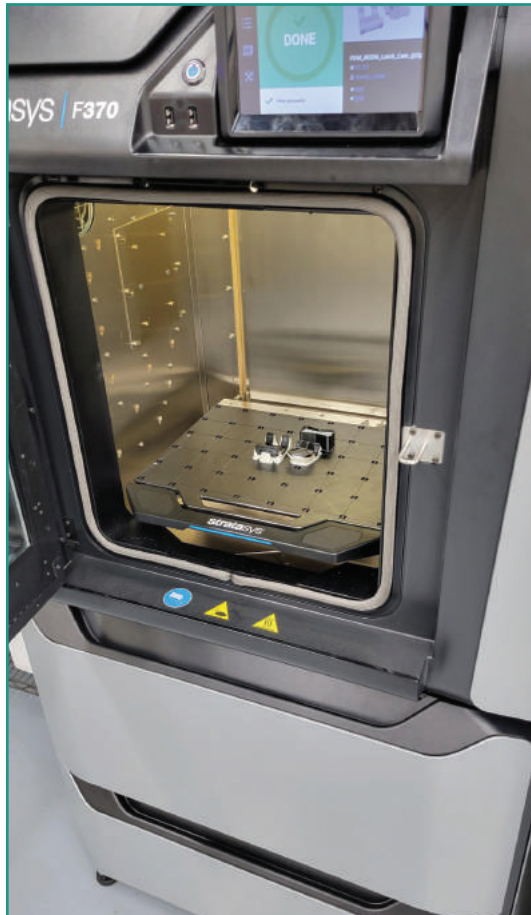


Project Engineer using RS6 Hexagon 3D Scanner

▼ 3D printer also keeping FTC engineers on the cutting edge.

Another "3D" tool keeping FTC engineers on the cutting edge is their 3D printer by Stratasys[®]. When Flambeau needs to test a latch for a newly designed case, for example, a 3D-printed prototype is made in order to test function. With this field-tested knowledge, Flambeau's tooling department can confidently create molds customers can count on to be accurate.

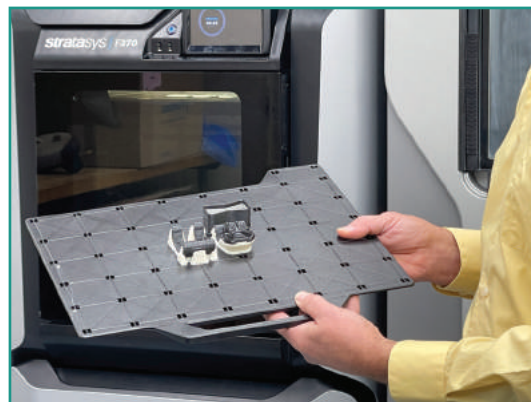
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3D Printer by Stratasys

3D-printed models can prepare effective fixtures for secondary procedures.

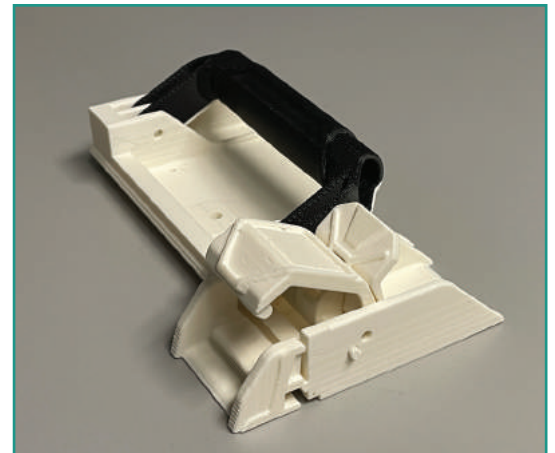
A 3D-printed model can also be used to prepare effective fixtures for secondary procedures in manufacturing. With 3D prototype capability, Flambeau assures customers that the manufacturing of their products and parts is streamlined by utilizing up-to-date methods and equipment.



Product Design Engineer working with 3D Printer

Continued investments in technology have kept Flambeau surging forward since 1947.

Flambeau's continued investments in technology have kept the plastics manufacturer surging forward since 1947. With 75 years of industry-leading experience, Flambeau offers the latest advancements in engineering and manufacturing to its many valued customers, with the same core commitment to value and quality the company started with.



3D Prototype for Handle and Latch for use on Atlas 12 Case



Flambeau Atlas 12 Case

For more information on 3D scanning or 3D printing at Flambeau:

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