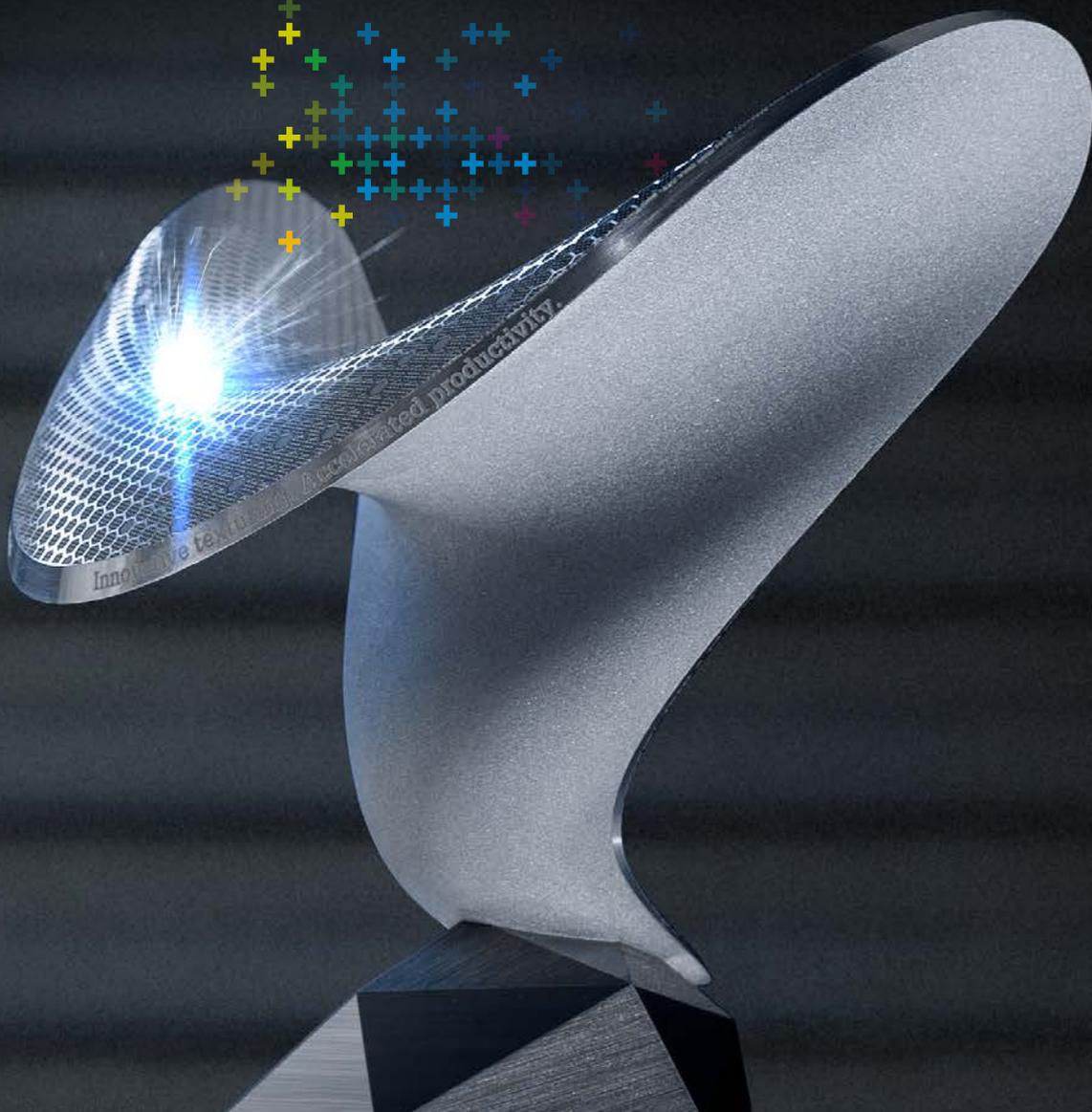


GF Machining Solutions

+GF+

LASER S series

# Pre-launch Testimonials



Innovative technology. Accelerated productivity.



## Automotive

# Reichle Technologiezentrum GmbH

### The art of perfection

GF Machining Solutions' AgieCharmilles LASER S range delivers perfect grain textures and reduces machining time by up to 45% at Reichle Technologiezentrum, Europe's largest service provider for laser texturing.



### Customer challenge

Reichle Technologiezentrum, headquartered near Stuttgart, Germany, was founded nearly four decades ago as a one-man operation. Today, it is a pan-European service center with nearly 100 employees. Driven by innovation, new areas of performance and hard work, Reichle Technologiezentrum today counts on the LASER S series to take its process reliability and graining quality on injection molds to unprecedented levels while significantly reducing machining time.

With more than 1,000 customers representing automotive, food, medicine, aerospace, cosmetics and packaging, the company doesn't compromise on quality and shortest processing time. It is keenly focused on continuously developing new processes in order to stay ahead of customer requirements and set new standards. Integrating leading-edge technologies is part of that quest.

To improve its graining quality, the company developed a sample part that put the AgieCharmilles LASER S series to the test.

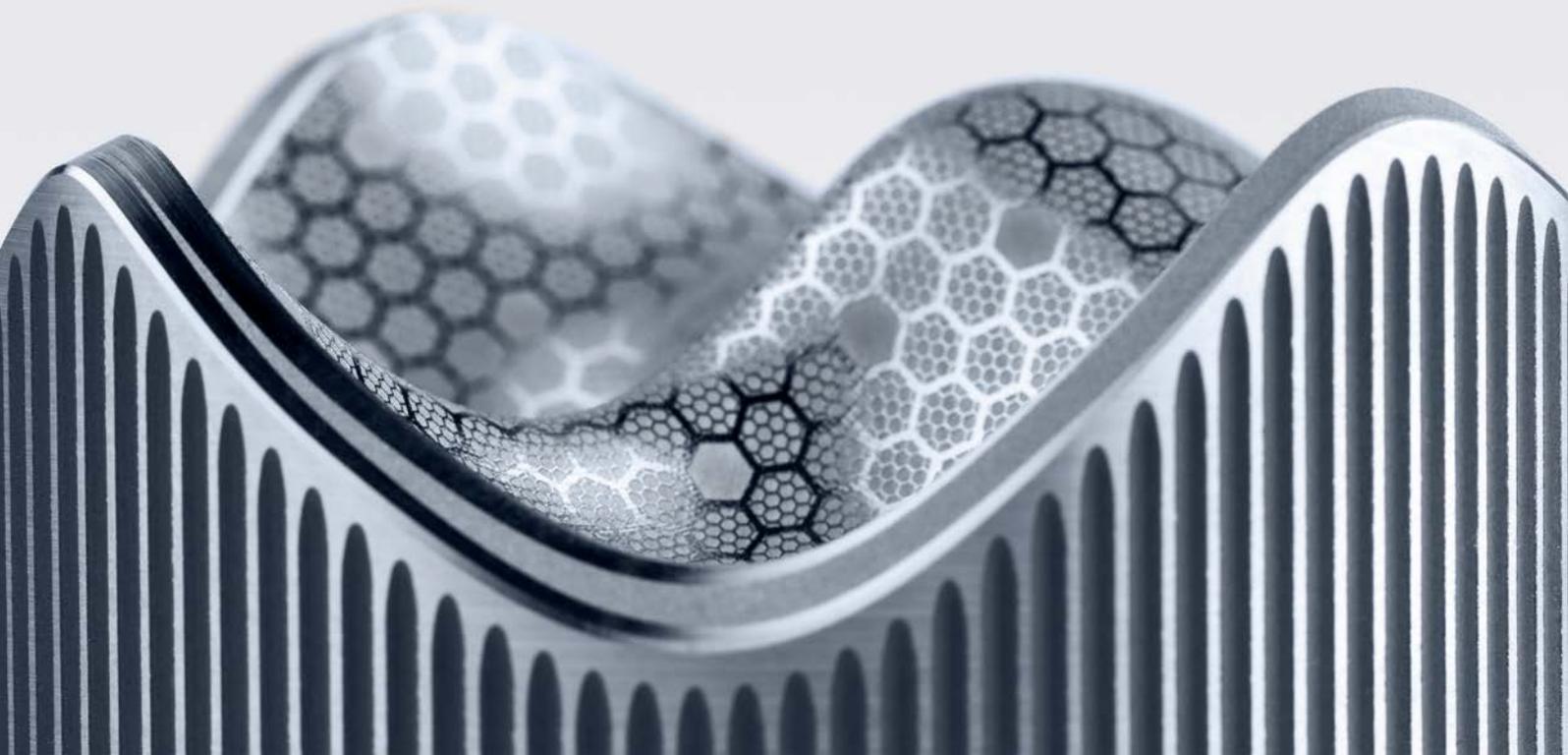
### Outcomes

The part "looks really simple," said Marco Reichle, authorized signatory of the company and plant manager, "but all of the critical areas you can get in a serial injection tool are put into this sample part [such as] a very complex shape with convex and concave surfaces. You can test some different angles for the accessibility of the laser beam. All of the grainings our designers have developed will be tested on this tool before starting the Laser process on a serial tool because we have to prove the 100 percent process reliability of our grainings to all of our customers worldwide."

The impressive results: The LASER S reduced machining time by 45%, yielded significantly higher quality, and produced perfect results with fewer patches to decrease the risk of unwanted light reflection angles on surfaces.

"I recommend GF Machining Solutions because the collaboration is really close and the reaction time is very short," Reichle said. "It's also very interesting and important to get new ideas for the future."





Automotive / packaging

## Piazza Rosa

### Building the future

At Standex Engraving Mold-Tech's Piazza Rosa division in Alpage, Italy, molds become art, thanks to the quality and speed delivered by GF Machining Solutions' AgieCharmilles LASER S range of Laser texturing and engraving solutions.

#### Customer challenge

Piazza Rosa is no novice when it comes to innovation. With more than 30 years of experience in mold concept design and surface finishing, Piazza Rosa continues to push technological boundaries. Today, the business counts on seven AgieCharmilles Laser texturing machines to tackle previously unfeasible mold finishing projects and complete them faster than ever, at highest quality.

With particular expertise in Laser hardening, engraving and welding, chemical etching, and polishing, Piazza Rosa is focused on keeping its current customers happy while developing innovative Laser applications to break into new markets.

"Texturing is a key area for us. Our R&D team works on exploring possibilities to find new solutions and creating applications for new markets on a daily basis," said Marzio Dal Farra, Technical Manager Laser Engraving, who has worked for Piazza Rosa since 2005.

In the past, due to conventional technologies' limitations, some projects were unfeasible or too time consuming. The new AgieCharmilles LASER S series changes all that.

#### Outcomes

The AgieCharmilles LASER S's hardware and software capabilities allow Piazza Rosa's technicians to easily apply their expertise and turn customers' mold surface concepts into art.

"We can use our knowledge wisely to choose [from] the options and this can lead to faster engraving time together with better quality," Dal Farra said. "The machine is very stable, requiring little adjustment to the calibration."

"When it comes to texturing, the AgieCharmilles LASER S machines make the impossible possible, in a very short amount of time," he added.

"We can apply geometric textures with perfect results and cut the machining time by 50% on most surfaces," he said. "GF Machining Solutions gives us great support and great tools for Laser engraving."

## At a glance

We enable our customers to run their businesses efficiently and effectively by offering innovative Milling, EDM, Laser, Additive Manufacturing, Spindle, Tooling and Automation solutions. A comprehensive package of Customer Services completes our proposition.

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