



GF Casting Solutions

We empower sustainable mobility

Facts & Figures (2021)

Established 1802 (Georg
Fischer AG) in Switzerland

12 production sites in Germany,
Austria, Romania, Switzerland,
and China

Turnover: 880 million Swiss francs

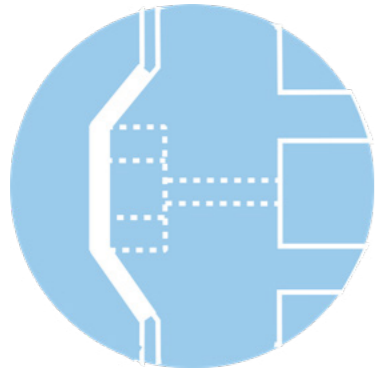
4.008 Employees

GF Casting Solutions is one of the leading solution providers of lightweight components in the mobility and energy industry. As a future-oriented company, we act as a driving force for innovation in the foundry and additive manufacturing world and want to take the lead in shaping the development of sustainable mobility.

We rely on 200 years of know-how and our lightweight design expertise, which we are continuously increasing, and on the development and expansion of new markets.

GF Casting Solutions is one of three strong divisions of Georg Fischer AG, a publicly traded company that has been independent for over 200 years.

Our Technologies



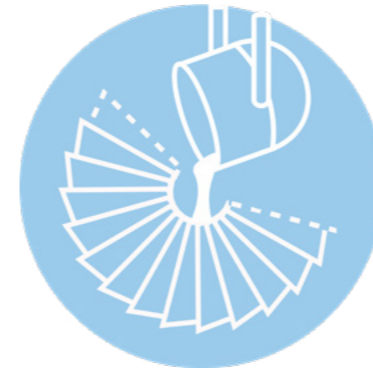
Aluminum- and Magnesium High-Pressure Die-Casting

With multiple aluminum and magnesium alloys we set the highest standards for high-pressure die-casting components. We offer the entire value chain from the raw casting to the ready-to-mount component.



Additive Manufacturing & 3D Metal Printing

Additive manufacturing (AM) offers unlimited possibilities in terms of design, speed and production processes. We have the know-how to apply it in serial production.



Precision Casting

Industrial manufacturing technology based on the so called lost-wax process used in the aerospace and energy industry to produce turbine blades and structural parts with complex shapes and cooling systems.



Iron Sandcasting

With our two iron casting foundries located in China and Germany we realize high-quality lightweight automotive and truck solutions as well as rather heavy but flexible designs for construction equipment, renewable energies, agriculture and forestry machinery.

Our Markets



Light vehicles

The reduction of CO₂-emission is the key challenge of the global automotive industry. Alternative drives or the reduction of fuel consumption and emissions in a combustion engine: our lightweight solutions help our customers to reduce weight and to integrate more functions, like cooling systems.



Commercial vehicles

The global need for low emission transportation is rising: Electrification and alternative drives or new logistics – we support our customers in the development and production of high-complex lightweight components to continuously reduce weight.



Off-Highway

Forest- and Agriculture, Construction or Rail – reducing fuel consumption is one of the key drivers off the road. Our iron casting solutions with high functional integration help our customers to find the optimal design for the special vehicles.

Our Markets



Aerospace

The aerospace industry is geared towards eco-efficiency and alternative powertrain concepts. The reduction of fuel consumption, noise and NOX are the key challenges – especially for aircraft engine manufacturers. With our highly-stressable precision casting solutions as well as lightweighting through additive manufacturing, we are a reliable partner in the development of new engine.



Energy

The energy demand is rising worldwide, while decarbonization is a key challenge of the industry. We provide solutions for industrial gas turbines as well as renewable energy solutions and help our customers providing a cleaner energy supply tomorrow.



Industrial applications

Our lightweight parts are used in industrial applications as well as in durable consumer goods, escalator steps or lighting housings. The high design freedom of casting leaves almost no limits to smart and functional parts.



Development and Validation Expertise



- In-house material and process development
- Product development with the support of the latest computerized simulation
- Creation of prototypes under serial production conditions
- Accredited testing institute for verification of computerized simulations on real cast components

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