



**GREEN
STEEL**

GMH GRUPPE



FROM IDEA TO IMPLEMENTATION

Cast products of the highest quality



Pleissner Guss
GMH GRUPPE

PERFECTION IS OUR CLAIM

Pleissner Guss GmbH is one of the leading manufacturers of castings made of cast steel and austenitic cast iron with nodular graphite. We have many years of know-how in the production of components for special and general mechanical engineering. The core activity is the production and machining of cast steel and NiResist castings in a weight range of 150 kg to 10 t. From the idea to the implementation, Pleissner Guss GmbH concentrates on optimally fulfilling the requirements of the customers in the best possible way.

MATERIAL COMPETENCE

We cover the entire range of unalloyed and low-alloyed steels, high-alloyed steels and stainless steels including Duplex and Superduplex steel castings as well as 6-Mo-Austenites and Ni-based alloys. In addition, we manufacture all common types of high-alloy, austenitic cast iron with spheroidal carbon formation.

MANUFACTURING TECHNOLOGY

With our extensive technical equipment, we are able to meet the constantly growing demands: from computer-aided solidification simulation to modern induction crucible and electric arc furnaces with a capacity of up to 10 t of liquid metal, to mechanical processing on CNC-controlled machines, we offer a complete range of services. Digitalisation and automation also speak for us as a modern steel foundry.

SIMULATION

The simulation of the casting and solidification process, for example, by means of the most modern software, makes it possible to influence the casting-friendly design of the future castings already in the design and planning phase and to advise you optimally. In addition, the delivery time from prototype to series production is shortened, quality is improved and cost savings are achieved through optimal casting technology.



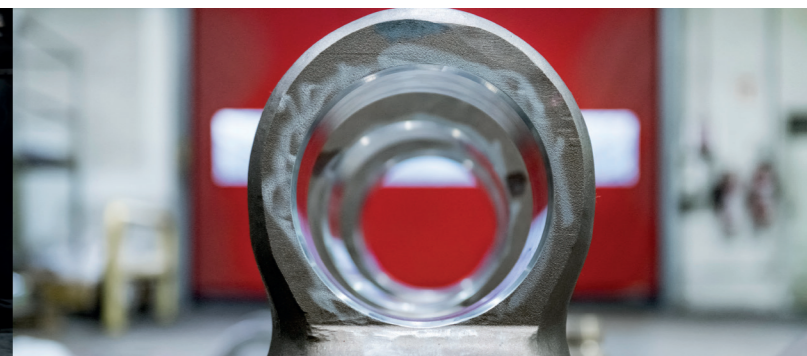
HIGHEST QUALITY STANDARD

Precision down to the last detail

You expect quality. And rightly so. For us, comprehensive quality assurance is the basis of our work and ensures that you receive high-quality components. All Pleissner Guss GmbH products must also meet the highest safety standards, which is why the strictest quality controls are indispensable in addition to comprehensive, in-process documentation. It goes without saying that the company is certified according to DIN ISO 9001. In addition, there are, of course, the usual supplier approvals from a wide variety of acceptance companies, such as for the areas of pressure vessels, nuclear technology, railway vehicle parts as well as for the areas of shipbuilding, offshore and defence technology.

We generally carry out all common methods of destructive and non-destructive material testing. Thanks to the mechanical laboratory available in the company as well as a fully equipped metallography, all testing steps necessary in connection with component acceptance can be carried out with a high degree of flexibility. Surface crack testing and volume testing are also part of the testing spectrum. For example, we can carry out radiographic testing of wall thicknesses up to 300 mm using radioactive isotopes resp. our own 3-MeV-Linear-Accelerator.

The existing equipment is supplemented by modern, high-precision light-optical and tactile measuring systems.



OUR MARKET

In addition to the high quality, the customers of Pleissner Guss GmbH particularly appreciate the reliability and the know-how of the company. Pleissner Guss GmbH is located in the heart of Germany and delivers worldwide. Over 50 percent of the products are exported to the EU and overseas. Individual products are manufactured for the following industries, among others:

- Valves and pumps industry
- Turbine construction
- General mechanical engineering
- Steel industry
- Power generation
- Shipbuilding and offshore systems
- Railway vehicle manufacturing
- Chemical industry
- Defence technology



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