

COMPANY PROFILE.



SOLID
DIE CASTING

WELCOME TO SOL.ID WHERE QUALITY AND ALMOST 40 YEARS OF EXPERIENCE MEET.

Sol.id is a company within the Metelli SpA group, a leader in automotive component production.

We've been in the automotive sector since our inception, and because of this the company is able to satisfy the most diverse die-casting market needs.

Our strength lies in the collaboration with our customers from the evaluation of technical feasibility to the integrated supply of the finished product.

Solid Srl in Castegnato (BS) has an area of 8,000 m², 3,500 of which are covered.



PRODUCTION PROCESS .

The company's main facilities include:

- 2 melting furnaces with a total production capacity of 48 tonnes per day
- A degassing plant using inert gas
- 8 die-casting cells from 400 to 1000 tonne, fully mechanised and equipped with automatic blanking
- A mould maintenance department
- A finishing department for deburring and shot blasting of castings



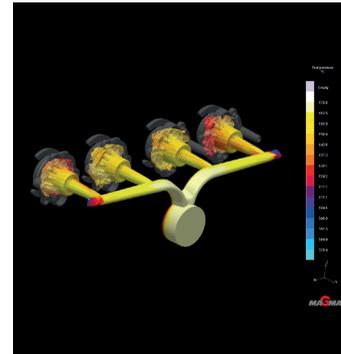
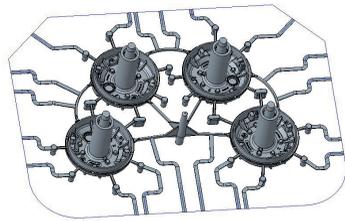
In addition, the castings can be subjected to heat treatments, coatings, surface finishes and specific processes depending on the final uses of the product.



DESIGN .

Thanks to the team of professionals in our Technical Department, we can support our customers in the development of new products by working with them in their co-design.

The design and manufacture of moulds is carried out with the collaboration of qualified suppliers. The main mould filling simulation softwares are used to predict potential casting defects.

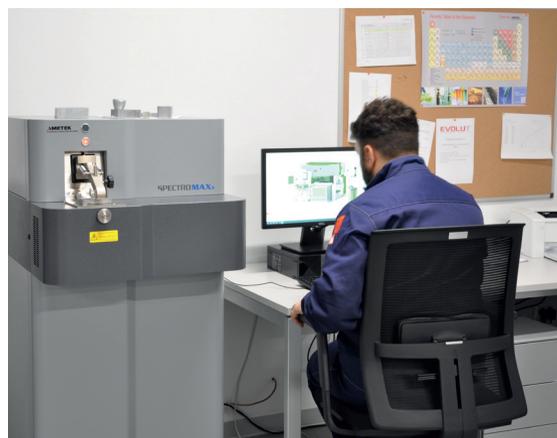
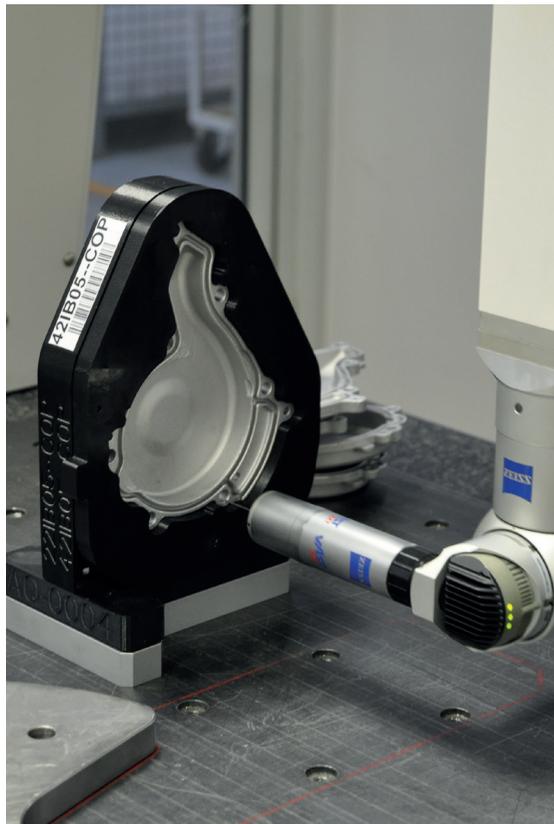


QUALITY.

Sol.id has always aimed to provide the highest quality possible in order to guarantee its customers high-performance products that comply with current regulations. Meticulous controls are carried out on incoming raw materials, during the foundry and finishing processes, on machining operations and on finished products.

There is a metrological laboratory equipped with a Zeiss three-dimensional measuring machine, an automatic radioscopic system and a Spectro optical emission spectrometer to verify the correspondence of the chemical analysis of the alloy.

Our Quality Control System is ISO 9001 certified.



SUSTAINABILITY ■

In order to reduce energy consumption and environmental impact as much as possible, all technical service facilities were modernised in 2019.

The company is equipped with particularly innovative and efficient suction and filtration systems to reduce emissions and a vacuum evaporator for waste treatment.



sol.id

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Sol.Id Srl

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