

ALUMINIUM DIE-CASTING ITEMS

Works and Headquaters

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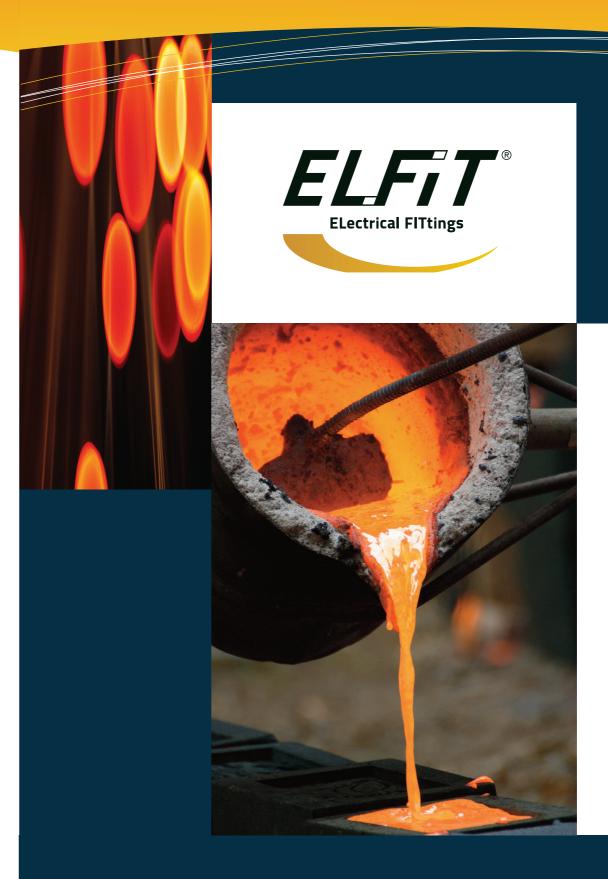
To be sure to be safe.

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ALUMINIUM DIE-CASTING ITEMS

Sand casting

Workshop

Vertical machining centers Horizontal machining centers CNC lathes transfer

Tooling

Carpentry

Foundry

Chill casting

Low pressure casting

Die-casting

Finishing Area

Laser cutting **Punching machines** Benders TIG welding robot

Washing and Painting Department

5-step tunnel washing

Powders robotic painting

ELFIT: our roots in our experience, our gaze towards the future

For more than 40 years, we have been building skills, solidity, innovation

More than five football fields would be needed to house all our plants and equipment: four melting furnaces, one automatic degassing system, five manual shell mould casting systems, three low pressure robotic systems, four die casting work cells with presses from 380 to 750 tonnes, and an entire area dedicated to finishes during the post-casting stages, that is, cutting, blanking, deburring, vibratory finishing, and shot blasting.

We produce:

- Electrical fittings
- Cable glands
- Junction and pulling boxes

 Explosion-proof boxes intended for areas at risk of explosion and fire, but also suitable for use in safe zones in the event products need to resist chemical agents, vibrations and extreme weather.

Our production varies from small parts weighing 1-5 g, with limited printable surface, to large parts with up to 45-50 kg and extended printable surface, from simple to more complex parts, with the possibility for undercutting, multi-cavity moulds, and the introduction all types of inserts.

In 2020, 6,250 unique item codes were

ELFIT is ISO 9001:2015 certified for the Quality Management System and ISO 45001:2018 for the Occupational Health and Safety Management. ELFIT's products are certified according to ATEX, IECEx and TR CU Standards.



DISCOVER THE PRODUCTION PROCESS



Aluminium customized die-casting items

The ELFIT foundry, based on a feasibility study, by designing and developing the necessary moulds with the aid of filling simulation software, is able to develop entirely customised products using primary and secondary aluminium alloys for the broadest range of sectors:

- Electromechanical
- Railway
- Shipping
- Food
- Electrical systems
- Energy

- Oil & Gas
- Furniture
- Measuring systems

Thanks to the Research and Development Laboratory, ELFIT is able to perform in-house salt spray testing, climatic chamber, overpressure and watertight test, thus offering a complete service.

Nurturing your projects allows us to travel the world, while staying firmly rooted in Italy.

ELECTRO-MECHANICAL FIELD

Electrical engines

O LAFERTGROUP



LAFERT GROUP

FOOD FIELD

Coffee machines





LA SAN MARCO

MEASURING SYSTEMS

Electronic heads for

tankers and depots

METERING EXPERTS

CONNECTED TO THE FUTURE

FIELD

Examples of die-casting items manufactured

