



ALUMINIUM DIE-CASTING ITEMS

Works and Headquarters

Via Aquileia, 12
34070 Villesse (GO)

Tel. +39 0481 964911
Fax. +39 0481 964999
vendite@elfit.com
www.elfit.com

Fusion11/2022 - K - Print:



To be sure to be safe.

Copyright

In accordance with copyright laws, the Italian Civil Code and other regulations in effect in the markets where the Cortem Group operates, all the information, images, photographs, drawings, tables and anything else contained in the Cortem Group's illustrative/promotional material are the exclusive property of the Cortem Group, which has all the moral rights to the aforesaid material as well as the right to use it for commercial and economic purposes. It is therefore forbidden to reproduce all or part of the Cortem Group's illustrative/promotional material in any way, unless otherwise authorized by the Cortem Group in writing. Any violation

of the above is against the law.

© by Cortem - Villesse - Italy. All rights reserved



ALUMINIUM DIE-CASTING ITEMS

Foundry

- Chill casting
- Low pressure casting
- Die-casting
- Sand casting
- Finishing Area



Workshop

- Vertical machining centers
- Horizontal machining centers
- CNC lathes transfer
- Tooling

Carpentry

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

Washing and Painting Department

- 5-step tunnel washing
- Powders robotic painting system



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.

Examples of die-casting items manufactured



Die casting

Low pressure casting

Low pressure casting

ELECTRO-MECHANICAL FIELD

Electrical engines



LAFERT GROUP

FOOD FIELD

Coffee machines



LA SAN MARCO

MEASURING SYSTEMS FIELD

Electronic heads for tankers and depots



METERING EXPERTS



CONNECTED TO THE FUTURE