



Ghidini
PRESSOFUSIONE

WHO WE ARE

- ▶ “Ghidini AR” operates in the sector of aluminum die-casting for third parties, mainly in the lighting, household goods, electrical components and automotive sectors and, upon customer request, provides consultancy for the creation of moulds.
- ▶ Our fleet of machines has 7 elements, with tonnage ranging from a minimum of 320 tons to a maximum of 900 tons, all equipped with waiting ovens.
- ▶ In 2004 the company developed a quality system compliant with the ISO 9001:2000 standard for the entire production process, updated first in 2009 to the UNI EN ISO 9001:2008 standard and more recently in compliance with the UNI EN ISO 9001:2015 standard.
- ▶ Our primary objective is to best satisfy the customer's needs, which is why each product is treated with the same precision, nothing is left to chance and all the phases, from design to casting, are agreed and developed together with the customer, to the best optimization of the **QUALITY-PRICE-SERVICE** relationship.
- ▶ There is no successful profession if there is not a vision based on passion and energy.





CASTINGS

ELECTRIC GEARBOXES
AND MOTORS



CASTINGS

AUTOMOTIVE



CASTINGS

HOUSEHOLD GOODS AND
APPLIANCES

CASTINGS

AGRICULTURE, AIRBRUSHES AND
MISCELLANEOUS



PROCESSINGS

CASTING

The melting of the material takes place with a tower melting furnace with a capacity of 3,000 kg and transported to the waiting furnaces with the aid of ladles, after degassing and slagging, to guarantee greater purity

DIE CASTING

It is carried out by injecting the metal into the mold and lubricating the impression to facilitate the sliding of the metal and the detachment of the bunch

BLANKING

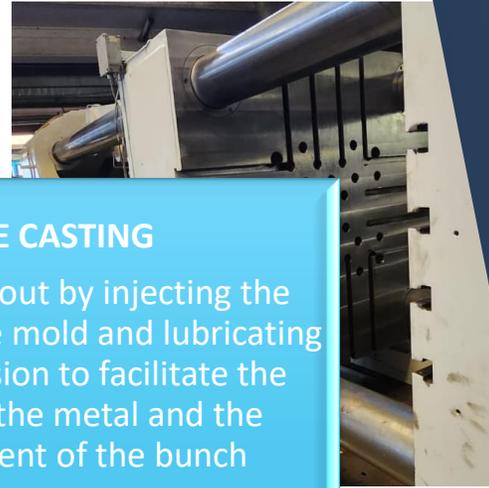
It is used to separate the sprues from the casting; it is carried out by hand or for medium/large castings with special presses (we have 7 shearing presses from 20 to 60 tons)

SANDBLASTING

It removes the most superficial part of the piece with the abrasion of the jet of cylinders and air, to eliminate residual burrs and improve subsequent finishes. We have 1 rotating belt sandblaster with 2 turbines with a capacity of 1,000 kg

LOGISTIC

Packaging, storage and shipping are carried out with customized solutions for each customer, even within 24 hours of the end of the production process



EXTERNAL PROCESSING

MOLD CONSULTANCY AND DESIGN

By relying on specialized external companies with which we regularly collaborate

BUMPING

Finishing process to remove residues of the metal substrate, carried out by rolling the pieces with other abrasive material (usually stones)

DEBURRING

It consists in the removal of excess burrs, which form on the castings near the casting connections

PAINTING

It can have both decorative and protective purposes against corrosion or agents that could compromise its properties

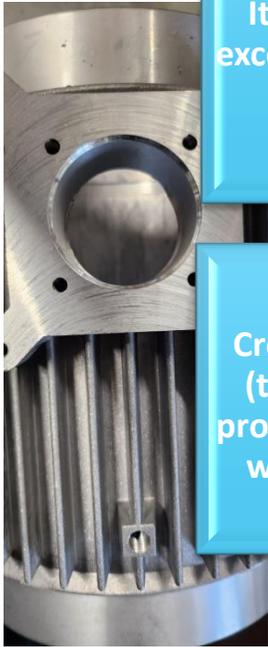
THREAD

Creates a helical prominence (thread) on the surface of a product, which allows coupling with an external cylindrical element (screw)

POLISHING

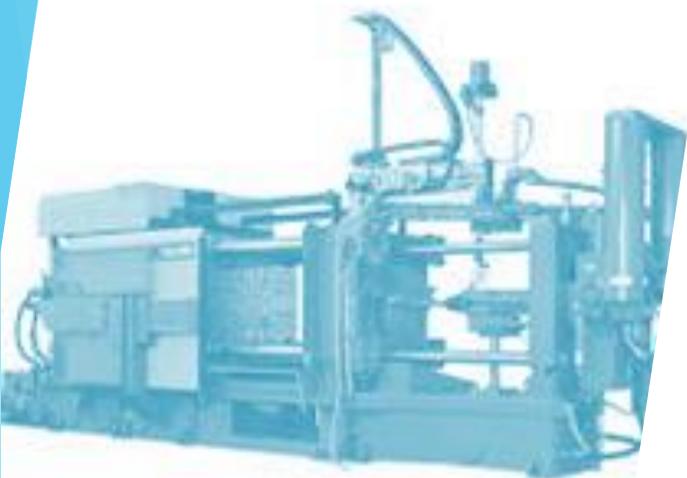
Finishing process carried out with a chemical process, which gives the metal a shiny appearance

PACKAGING



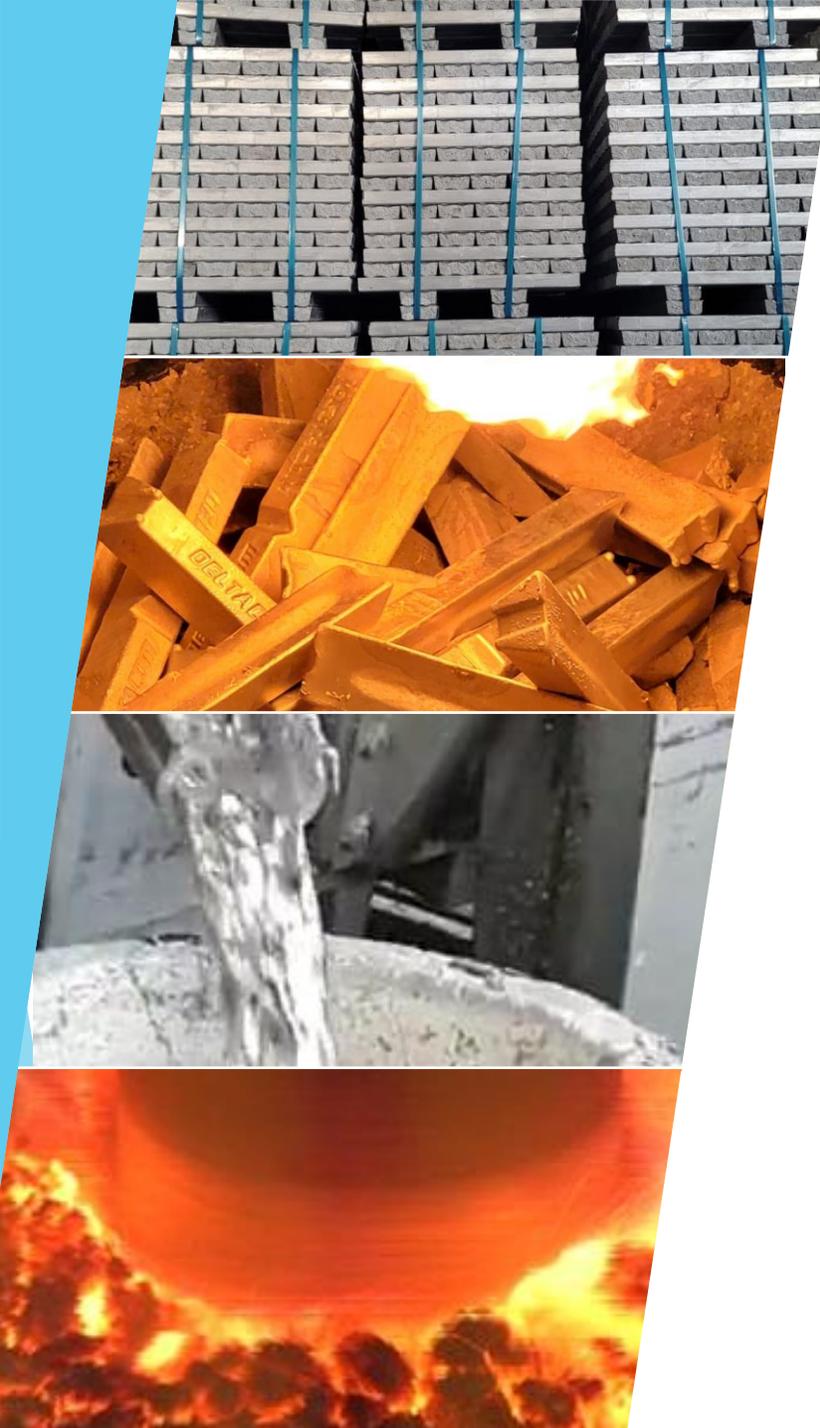
PRESS PARK

- ▶ We have a fleet of machines (presses) with variable tonnage:
 - ▶ 320 tons;
 - ▶ 460 tons;
 - ▶ 500 tons;
 - ▶ 600 tons;
 - ▶ 700 tons
 - ▶ 750 tons;
 - ▶ 900 tons.
- ▶ Each press is equipped with waiting basin ovens and control units for the thermoregulation of the moulds;
- ▶ 4 presses (500-600-700-900 tons) are served by a robotic island for the process of picking up and unloading the die-cast casting into special containers.

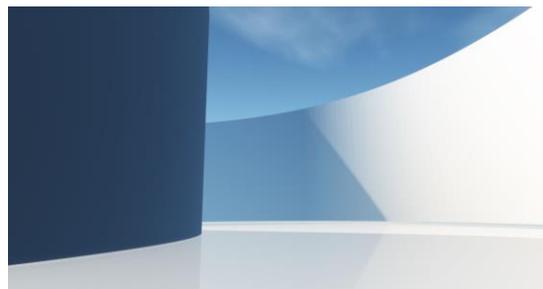


ALLOYS USED

- ▶ Most of the aluminum used in the die casting process is in the form of Al-Si secondary alloys, which ensure better castability.
- ▶ The solidification process is conditioned by the combination of high pressure, the sudden cooling of the material and the limited solidification time inside the mold cavity, which ensure high productivity of the die casting process and on which the quality and integrity of the castings.
- ▶ The main alloys we use are the following:
 - ▶— EN AB 46000
 - ▶— EN AB 47100
 - ▶— EN AB 46100
- ▶ However, our structure allows us to use other alloys where necessary.
- ▶ A rigorous control of the raw material with procurement from certified suppliers ensures the quality standard



THANKS FOR THE ATTENTION



▶ Via Padre Rivadossi 39 – 25065
Lumezzane (BS)

▶ Tel. +390308921830

▶ Fax +390308921011

▶ Email: info@ghidini-rossa.it

▶ Web: www.ghidini-rossa.it

▶ LinkedIn:

 <https://www.linkedin.com/company/ghidini-ar-srl>

▶ Instagram:

 https://www.instagram.com/ghidini_rossa?igsh=czhkaDdseG9pYW56

▶ Facebook:

 <https://www.facebook.com/profile.php?id=61559945790948>

Ghidini

P R E S S O F U S I O N E