



CESTARO FONDERIE®
ALUMINIUM SAND CASTINGS

www.fonderiecestaro.it





/Cestaro Fonderie

Cestaro Fonderie Spa has been set up in 1963 as a family owned company, focusing instantly on best practice and high level technology.

Being a family owned company, its attention has always been sensible to the human values and the competence development of each employee, such as making it as a **strength.**

Qualified and specialized technology has always been a company characteristic, so as Cestaro Fonderie has been **specialized in aluminium alloys** since the beginning, later it has chosen to produce more and more high grade castings such as power transmission components, and air compression devices during years 80's, finally from years 90's High Voltage components and condensing heat exchangers.

During all these years Cestaro Fonderie has gained high level competence in producing aluminum sand castings for a lot of international customers. At the same time it has developed more and more customer **service and flexibility.**



/ Our services

FIRST OF ALL QUALITY



Design



Core shop



Foundry



Fettling shop



Heat treatment



Destructive and
non destructive
testing



Machining



Welding



Test



Pre assembly



Delivery



CESTARO FONDERIE
ALUMINIUM SAND CASTINGS





Technical department

S U P P O R T . C O M P E T E N C E . Q U I C K N E S S .

CESTARO FONDERIE has created its own technical team to develop (in the shortest way) the complete foundry tooling and plants, and to give to customers the better support at any project stage.



**Technical support
to clients**



3D project development



**Conference call
meetings**



**Time
optimization**

The company offers co-design job for different applications, in order to satisfy our customer needs but also to optimize the production, in terms of quality, lead time and of course costs.



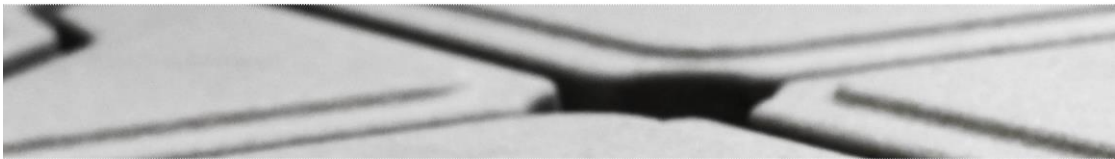
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/ Core shop

QUALITY . SMARTNESS . TECHNOLOGY



CESTARO FONDERIE produces its own cores internally, for having the complete surveillance on the quality and the on time production, in order to satisfy the customer needs both in term of design and deliveries.

The high technology production level guarantees the higher standard on the market in term of dimensional precision.



**Cold box
technology**



**Automatic core shooters
with capacity up to
250Kg per core**



**Computer assisted
surveillance
system for sand mixing
and core producing**



Premium quality







Foundry

CESTARO FONDERIE just uses Primary Aluminium to produce its own alloys.

As every manufacturing process, the result depends both on the applied technology and on the material quality. For this reason Cestaro Fonderie has decided to produce the alloy internally and to control it in its metallurgical laboratory to have the highest metallurgical grade.

The automatic moulding process guarantees high precision series production.



Primary Aluminium



Melting capacity
up to 10000 ton/year



Automatic pouring
ovens on the lines



Two automatic
moulding lines







/ Fettling shop

CESTARO FONDERIE

produces high quality castings according to the project needs.

Decoring process is performed with semi-automatic machines and is followed by manual and/or robot assisted cutting and deburring.

Heat treatment (when requested) will complete the process to obtain higher mechanical properties.



**Semiautomatic
decoring**



**Manual and robot
assisted fettling**



**Deburring and
stainless steel
shot blasting**



Continuous heat treating



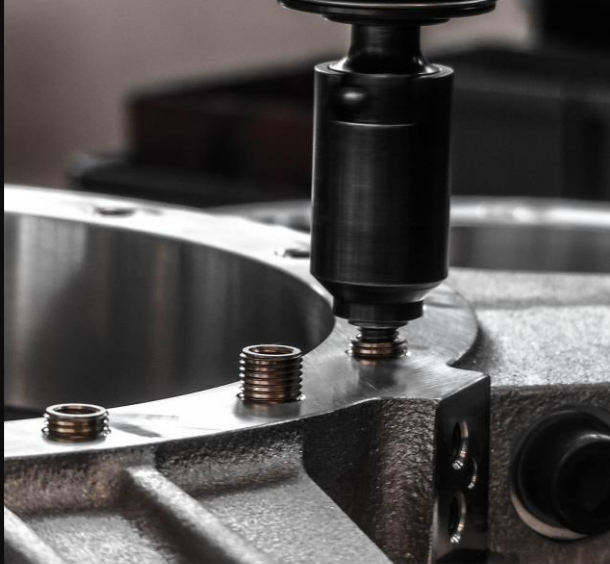


/ **Machining**

CESTARO FONDERIE can deliver complete finished products ready to be mounted.

The production process is not limited to the normal fettling but includes all the finishing operations requested by the customer.

Cestaro Fonderie uses best practice also in this phase with the purpose to offer the highest performances in terms of quality, flexibility and on time deliveries to the customers.



Machine shop with
multi pallet
handling systems



Robot assisted welding



Mountings



Delivery of
complete finished
products









/ Quality and checks

First of all quality, both in the production process and in the company organization.

The overall process includes all the phases from the initial thinking to the final checks.

Every phase has specific controls to consent warranting conformity to the customer need following main international standards.



**3D measuring
machines**



**Radioscopic
machines**



**Metallographic
laboratory**



**Air and water
test facilities**



**Air and Helium
pressure and tightness
test facilities**



**Dye penetrant
inspection**





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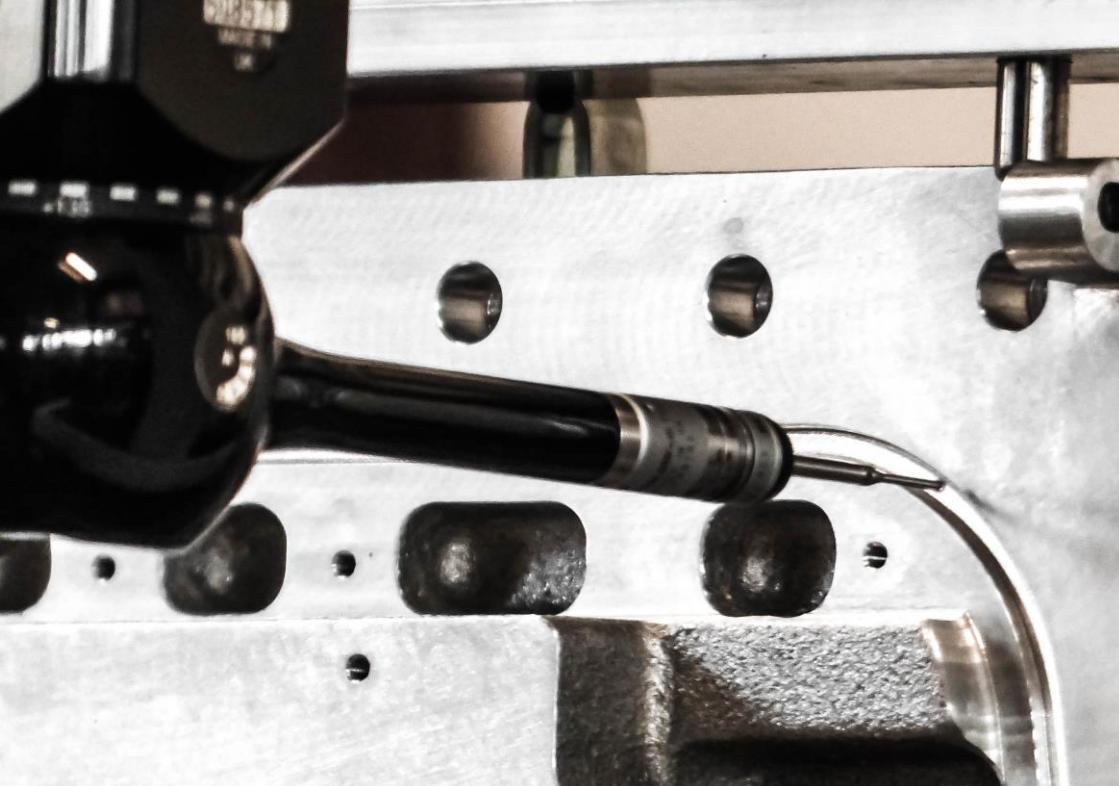
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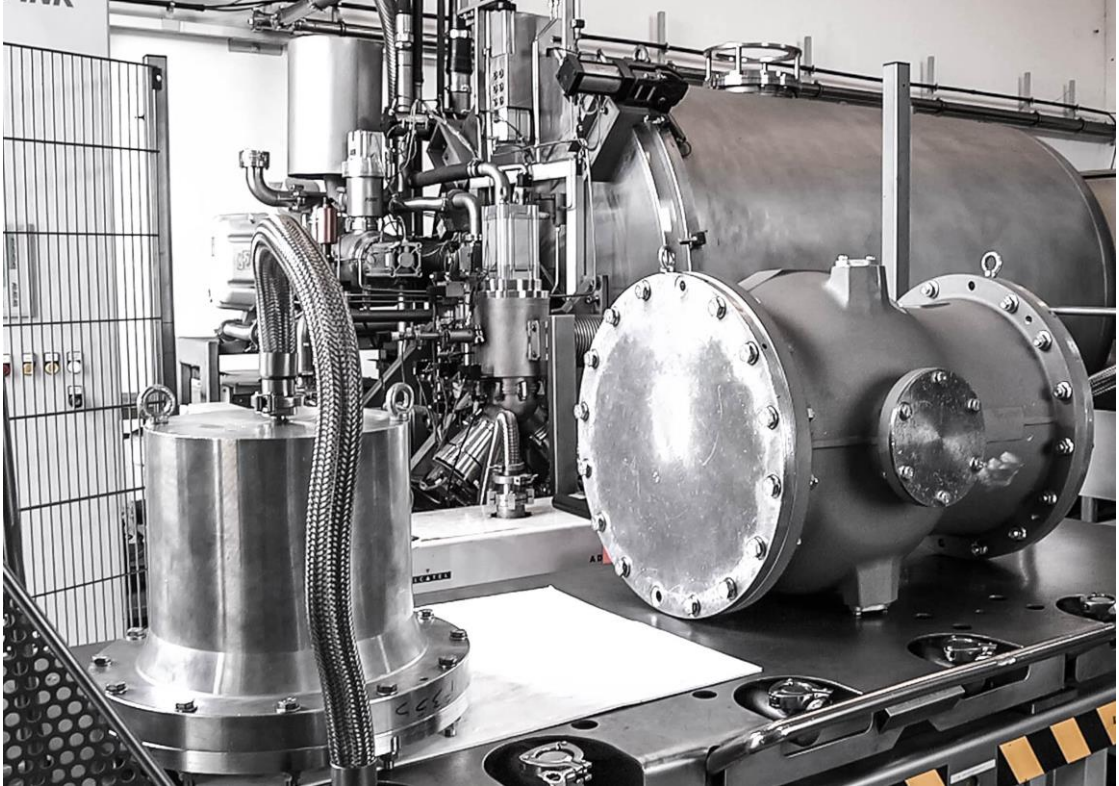
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CESTARO FONDERIE is waiting for you with its 18000 m² of space.

