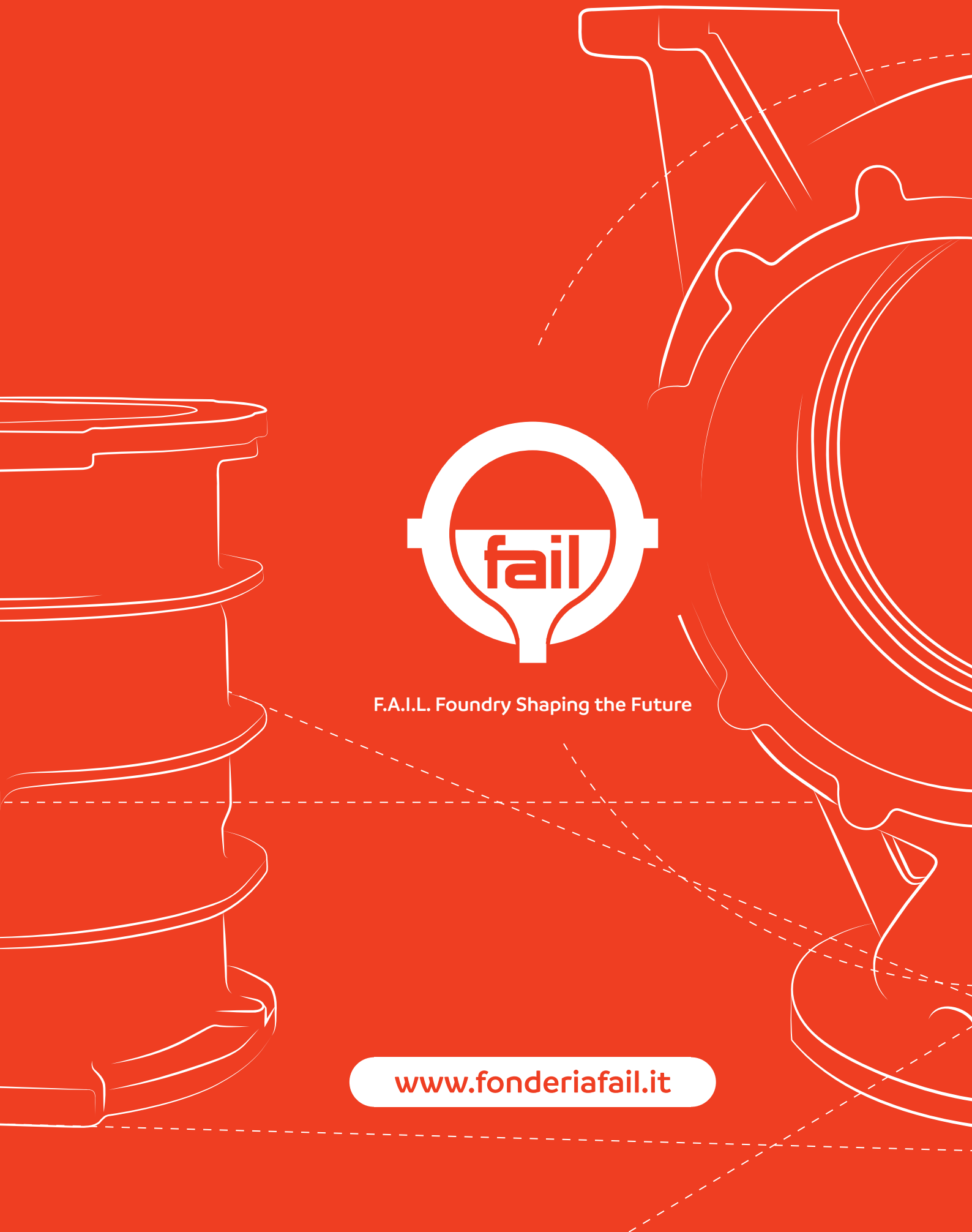
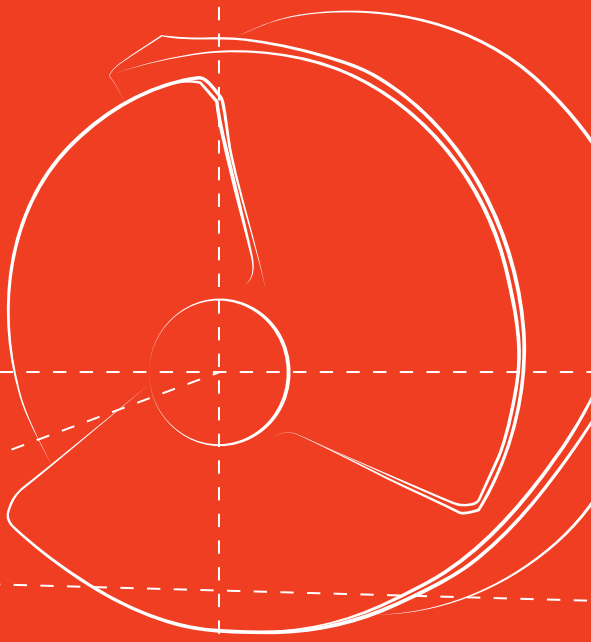


F.A.I.L. Foundry Shaping the Future

www.fonderiafail.it







Company Catalogue

Quality Castings Since 1972

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Excellence for more than 40 years

Headquarters

F.A.I.L. was founded in 1972 and over the years it has developed significant experience in casting **stainless steel**.

Because of the know how that it has acquired in the **40 years** that it has been in business and gaining experience, we are able to provide castings from **0,5 to 700 kg** in any shape or size guaranteeing high quality products.

Our clients are mainly leading companies that produce pumps, valves, enological machines, food processing plants, but every day **F.A.I.L.** accepts new challenges in different environments, without ever disappointing anyone's expectations.

The steel that we produce includes all the stainless types: **austentic, martensic, duplex, heat resistant, nickel base, as well as carbon steel**.



COMPANY FACILITIES

The company has **3 facilities** where the different F.A.I.L. departments are located.

- Pattern Warehouse
- Production
  - Automatic Fast Loop
  - Manual line for Large Castings
- Core Shop
- High Storage for Cold Moulds
- Air arc Cutting/Gouging Department
- Deburring Department
- Welding Department with Qualified Welders
- Heat Treatment

Visit the company directly from your smartphone

*Access the page with the **QrCode**, scroll down the page and access the **Virtual Tour** and click to access the company directly.*


fail





CASTINGS THAT STAND OUT BECAUSE OF THE **QUALITY OF THE MATERIALS AND THE PRECISION** OF HOW THEY ARE MADE

F.A.I.L. foundry has put passion and quality into its products for 40 years! For the market **F.A.I.L.** means... being certain that the work will be carried out to perfection, having the ability to take into account the needs, with maniacal attention to the quality of the finished product. Over time **F.A.I.L.** has learned to conceive its own processes by always putting **flexibility** at center stage, turning to the slice of the market that is looking for **small to medium sized batches in very little time and at competitive prices**.

F.A.I.L. has been consistently investing in **new technology**, by setting up a facility that is state of the art and able to make our products excellent and facilitate the work of our specialized personnel.

F.A.I.L. REGULARLY WORKS FOR THE FOLLOWING SECTORS

- FOOD
- PAPER COMPANIES
- CHEMICALS
- CRYOGENICS
- ENERGETICS
- MECHANICS
- MILITARY
- NAVY
- NUCLEAR
- OIL & GAS







F.A.I.L. IS WORKING ON EXPANDING ITS BORDERS BY OFFERING ITS EXPERTISE TO NEW MARKETS

The company has always dedicated itself to a work program aimed at expanding its markets by **taking part in the most important European trade fairs**. It promotes its working process through digital channels like its web site, which is constantly updated and is able to thoroughly describe the company structure, production capacity, techniques and all the information that is necessary to qualify us for our workmanship.

On our web site it is also possible to access a **Promotional Video and a Virtual 360° tour** that allows customers to **literally go inside F.A.I.L. from every corner of the world. www.fonderiafail.it**

OUR MAIN MARKETS

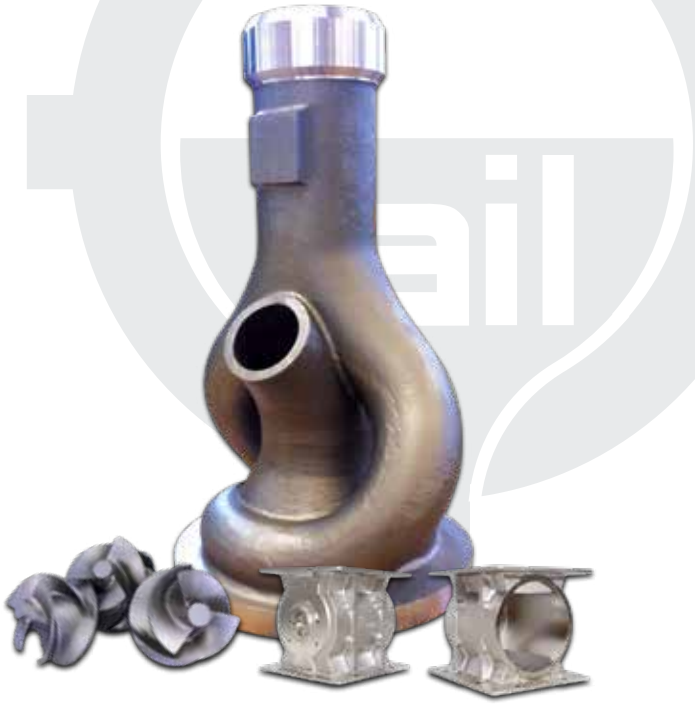
- ITALY
- BELGIUM
- CROATIA
- FINLAND
- FRANCE
- GERMANY
- ISRAEL
- HOLLAND
- SPAIN
- SWITZERLAND
- LUXEMBOURG



Excellence can't be invented
It's perfected every day!

Production

A team made up of **people and ideas**, that over time has been able to confirm its dedication to **results, service and innovation** by meeting every expectation.
Production has been designed in every detail in order to get quality results that are flawless with the best value for money available.
There can be several variables at play starting from the raw materials to what is "delivered", and it is the correct combination of choices that allows **F.A.I.L.** to express its ability and experience in every business operator.



INDUCTION FURNACES

The company has **3 distinct induction furnaces** with different sizes, which makes it possible to optimize the processes and guarantee a high level of flexibility.



Furnace #1 capacity **Furnace #2 capacity** **Furnace #3 capacity**







WE CREATE A RANGE OF CASTINGS IN **ANY SHAPE OR SIZE**

Min 0,5 kg **Max 700 kg**

The production has two distinct moulding lines:

- **Automatic Fast Loop, served by a continuous 20 ton/hour mixer.**
- **Manual carousel, served by a 6 ton/hour mixer.**

PRODUCTION CAPACITY

Total **700** Tons/Year

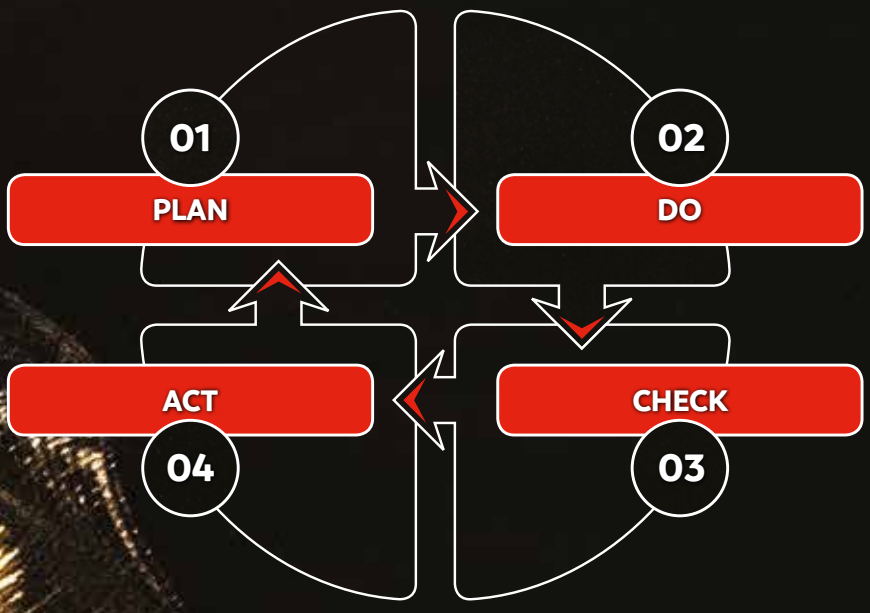


INNOVATION
FLEXIBILITY
EXPERIENCE
A HERITAGE OF PEOPLE AND TECHNOLOGY
AT THE SERVICE
OF EXCELLENCE



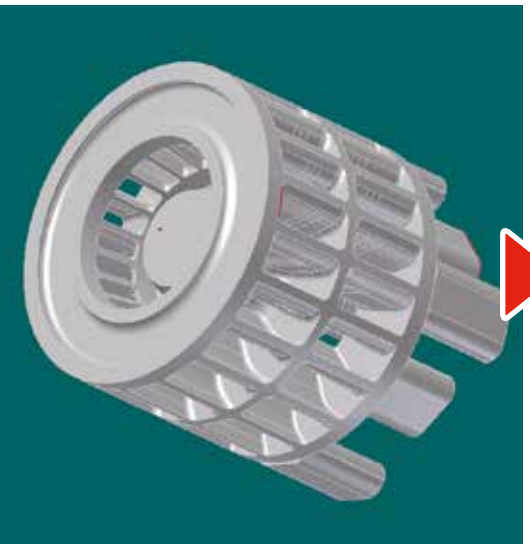
A CYCLE WITH PHASES DEFINED AND ENHANCED TO **ALWAYS GUARANTEE FLAWLESS RESULTS**

For the entire production cycle, every procedure and company process is inspired by the **Deming Quality Cycle**: **Plan, Do, Check, Act**.



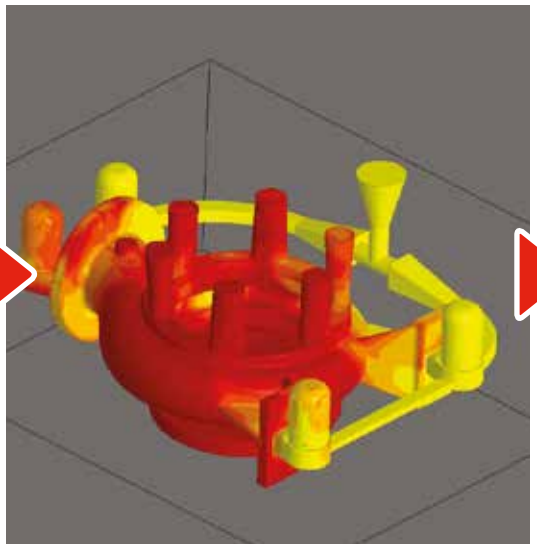
Processes

The four macro-phases that transform ideas into products. Interest, attention, experience, passion and a professional team that is capable of satisfying the client in every phase of the process. **A partner that is adept at being strategic and successful.**



FROM THE IDEA TO CAD

The 3D digital model of the product that is being made is **adapted to the company's production system.**



CASTING SIMULATOR

Specific software makes it possible to design and simulate different systems of flows in order to improve the process and maximize quality.



PATTERN WAREHOUSE

A special warehouse that is conveniently mapped makes it possible to **stock patterns and core boxes** on the clients behalf.



CASTING

3 automatic casting lines equipped with a fume extraction plant and a manual for large moulds guarantee a high amount of flexibility.



CUTTING AND WELDING

Once they have cooled the pieces are **deburred and finished**; this last process is managed internally with the use of **4 welding cabins that are completely aspirated with qualified welders**.



NON DESTRUCTIVE INSPECTION

One cabin allows **inspections with penetrating liquids**; RX and ultrasound are carried out by external qualified suppliers.



AUTOMATIC FAST LOOP

An automatic plant equipped with "RFID" technology that guarantees **the maximum quality and repeatability** when processing the production of moulds.



CORES

SMEC srl, controlled by F.A.I.L., **produces cores by using different mixures** based on the client's specific production needs.



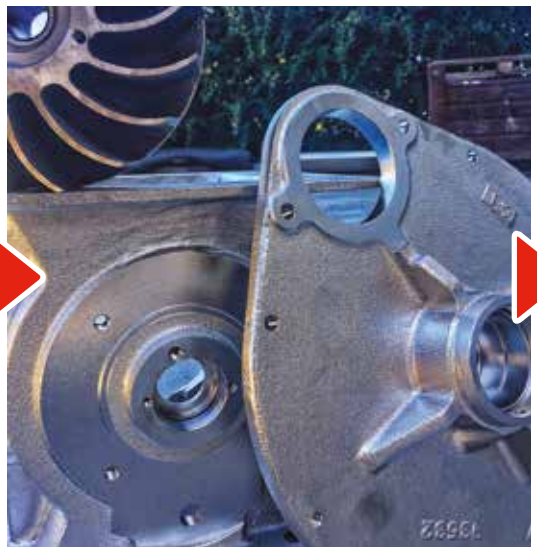
FROM THE FAST LOOP TO THE AUTOMATIC WAREHOUSE

The **semiautomatic system** helps the operator to close the moulds that now can run automatically in the "transition warehouse".



HEAT TREATMENT

A **furnace for automatic thermal treatment** carries out specific thermal cycles for every type of material; the aim is to give certain characteristics and/or mechanical properties in line with the required standards.



MECHANICAL PROCESSING

Collaboration with a few mechanic shops allows us to supply **rough or finished pieces**.



SHIPPING

The finished products are sent to the **shipping warehouse**, where **the company can take care of the entire shipping process** on the client's behalf, or wait for it to be collected.

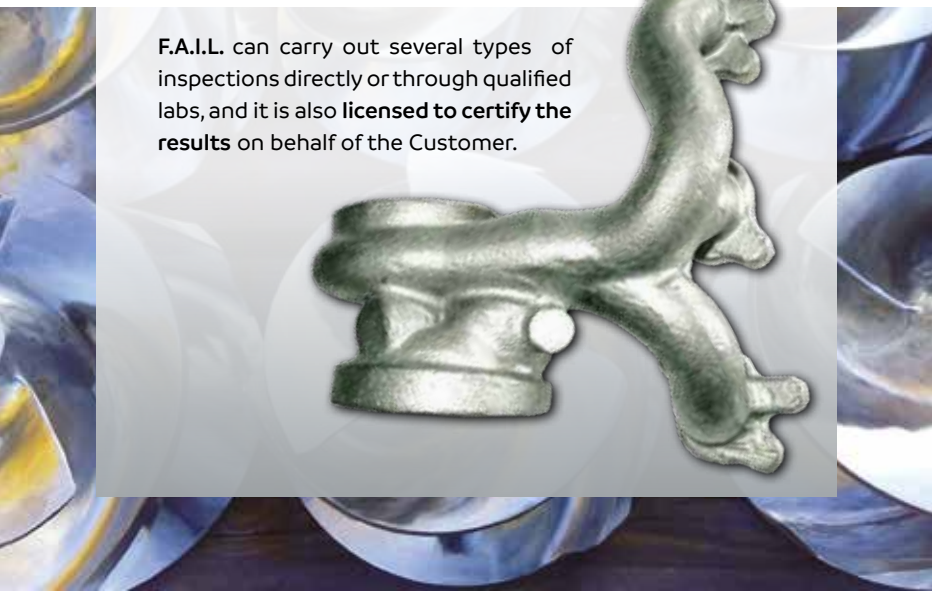
Castings

- **austenitic stainless steel**
- **martensitic stainless steel**
- **duplex and superduplex**
- **heat resistant steel**
- **nickel base steels**
- **carbon steel**





F.A.I.L. can carry out several types of inspections directly or through qualified labs, and it is also **licensed to certify the results** on behalf of the Customer.





























IF YOU CAN IMAGINE IT

F.A.I.L. CAN MAKE IT

THE BEST STARTING POINT...

Quality

COMPANY CERTIFICATIONS

Fot **F.A.I.L. certifications** aren't a goal, but a **starting point to bring the concept of quality to another level**. We try to surprise ourselves, as well as the client, because we are convinced that good workmanship comes from commitment, attention and perseverance that we put in day in and day out to improve our performance. This viscous circle generates **products of the highest quality, punctual deliveries and competitive prices**, stemming from productive processes that don't entail either wasted time or materials.


MANAGEMENT SYSTEM CERTIFICATE

DNV·GL

F.A.I.L. S.r.l.
Via Galileo Galilei, 18 - 42020 S. Polo d'Enza (RE) - Italy

ISO 9001:2015

Produzione di fusioni in acciaio alto e basso legato, inossidabile e al carbonio in sabbia e resina (EA 17)

Production of alloy, stainless, carbon steel castings, with sand and resin(EA 17)

Vimercate (MB): 11 giugno 2018

Zeno Beltrami
Management Representative

To confirm **F.A.I.L.'s** constant pursuit for quality, an **internal laboratory** has been set up for:

LABORATORY

- Chemical Analysis
- Mechanical Tests
- Impact Tests
- Hardness Tests







F.A.I.L. CERTIFICATIONS

- ISO 9001-2015
- PED
- AD2000
- Det Norske Veritas' Rule for Classification Pt.2
- NORSOK gr. 6A, 5A, 4A


ZERTIFIKAT

F.A.I.L. S.r.l.
Via G. Galilei, 18
I – 42020 San Polo d'Enza (RE)

ZERTIFIKA

Die Notifizierte Stelle - Kennnumme
der TÜV SÜD Industrie Service G

bescheinigt, dass die Firma

F.A.I.L. S.r.l.
Via G. Galilei, 18
I – 42020 San Polo d'Enza (RE)

als Werkstoffhersteller von

über ein zertifiziertes Qualitätsmanager
entsprechend Anhang I, Absatz 4.3 der Druckgerä
sowie AD 2000-Merkblatt W 0 /

verfügt und dieses anwendet.

Zertifikat-Nr.: DGR-0036-QS-W 633/2014/MUC
München, 19. November 2018

(M. Ströbel)
Zertifizierungsstelle
Werkstoff- und Schweißtechnik

EQ2654931 TÜV SÜD Industrie Service GmbH, Westendstraße 199, 80 686 München, Deutschland



GUARANTEED AND CERTIFIED PRODUCTS

Company Catalogue

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Administration
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External consultant d.dotta@fonderiafail.it

F.A.I.L. Srl
Stainless steel and alloy foundry

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