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ALUMINIUM & SOUL

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**ITA**  
FOUNDRY

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Portugal  
salesdept@itafoundrysa.com

**BCB**  
DIFFERENT DIE CASTING

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tel. +421 31 782 6096  
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# Die Casting is what we do



## FAB Group

FAB group has been working in the High Pressure Die Casting sector and in the Gravity Casting production for over 35 years, with its first plant founded in 1988 in Brendola (Vicenza). It is here, in Northern Italy, that the first steps were taken on a journey that would soon take on an international dimension. In fact, in 1999 was inaugurated BCB sro, a new company located in Galanta (Slovakia), which is a strategic position for all European markets. The group's production capacity was then strengthened in 2015 with the acquisition of a second production plant in Vicenza (Italy); and in 2022 ITA Foundry s.a. was established in Portugal, near the metropolis of Porto. Today FAB Group is an important international company which processes over 9.000 tons of aluminium per year.



# Our timeline



ITA Foundry sa



FAB Srl



BCB sro



1988



FAB S.r.l.  
Foundation

1999



BCB s.r.o.  
Foundation

2008

ISO  
9001

ISO9001 Certification  
for FAB S.r.l.  
& BCB s.r.o.

2015



Abor Foundry  
became  
part of  
FAB Group

2017



FAB & BCB  
New Logo

2019



New IATF 16949  
Certification  
for FAB S.r.l. & BCB s.r.o.

2022



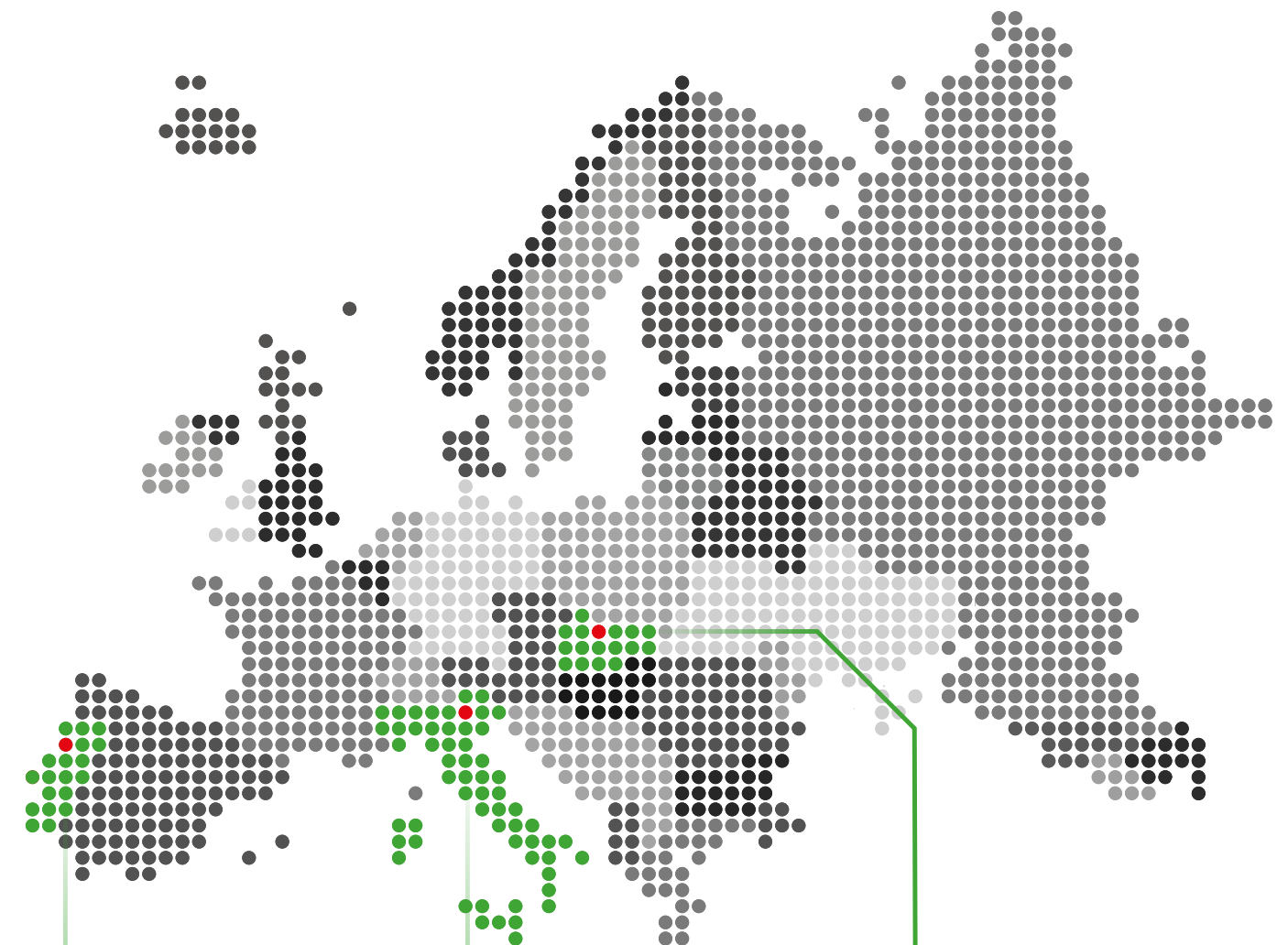
Foundation of  
the Portuguese  
Company:  
ITA Foundry s.a.

2023



New Group Logo

# Our world



PORTUGAL  
ITA FOUNDRY S.A.  
Porto  
Travessa, R. Eng. Nobre da Costa 2,  
4470-435 Moreira, Portugal



ITALY  
FAB S.R.L.  
Vicenza  
Via della Fisica, 7  
Brendola  
Via C. Colombo, 14



SLOVAKIA  
BCB S.R.O.  
Galanta (SK)  
Matúškovská Cesta 904

# Our Vision & Mission

Safety, sustainability, quality and customer satisfaction are the four fundamental pillars of FAB Group. These values guide our social responsibility and it is from these principles that we invest to make our contribution to the world of tomorrow. This is achieved with concrete and targeted actions: safety courses, staff training, software implementation for MES management, new water and fume purification systems, etc. The direction is set, and we will continue to work along this path.

## Safety



Alarm



First aid kit



Protective equipment

## Sustainability



Water purification systems



Recycling



Environment  
Energy efficiency

## Quality



Certification



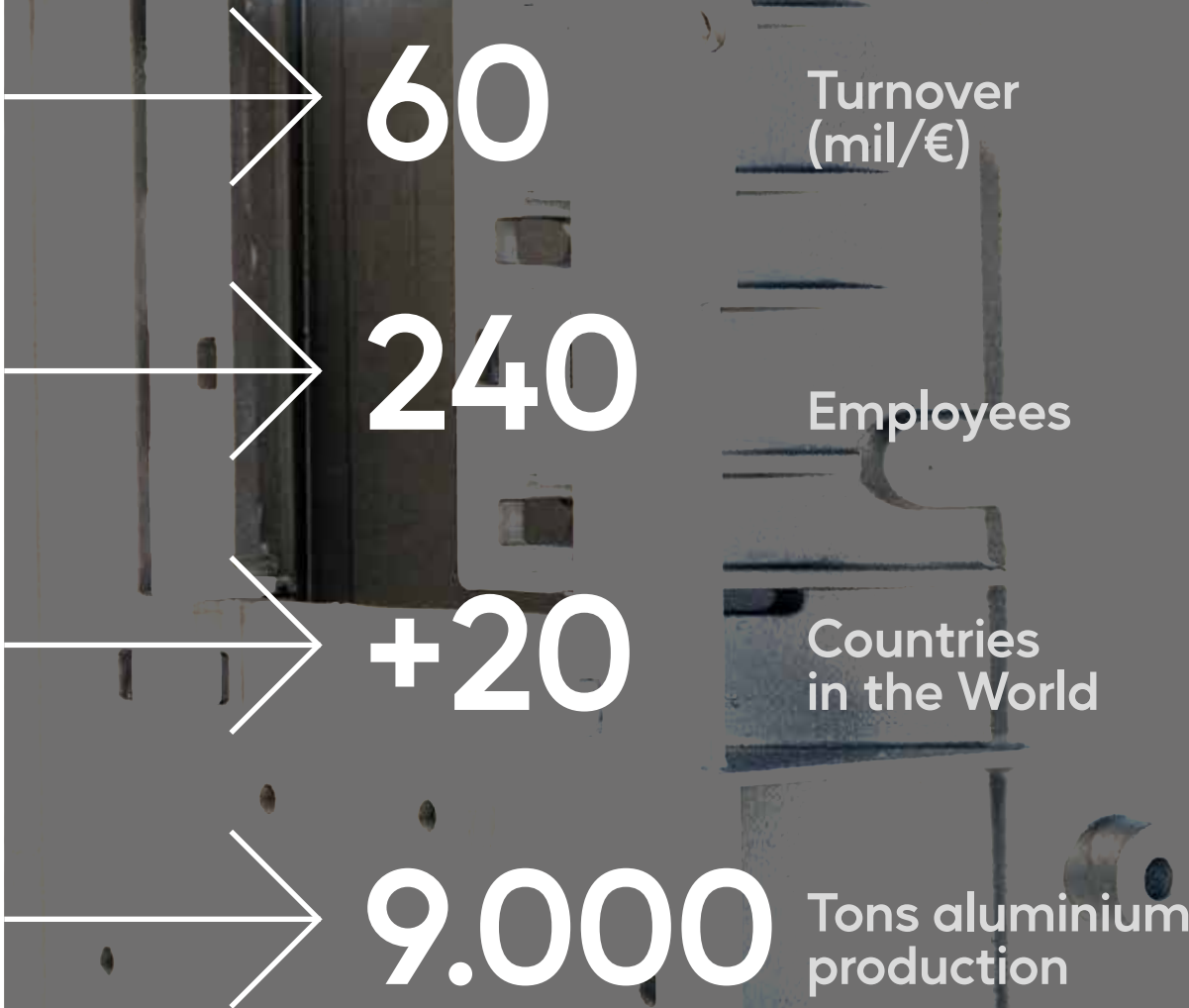
Software  
Sfera/MES



Customer  
Satisfaction



# Our group





# Quality: in everything we make, in everything we do.

## Certifications



IATF 16949



IATF 16949



IATF 16949



ISO 9001



ISO 9001



ISO 9001

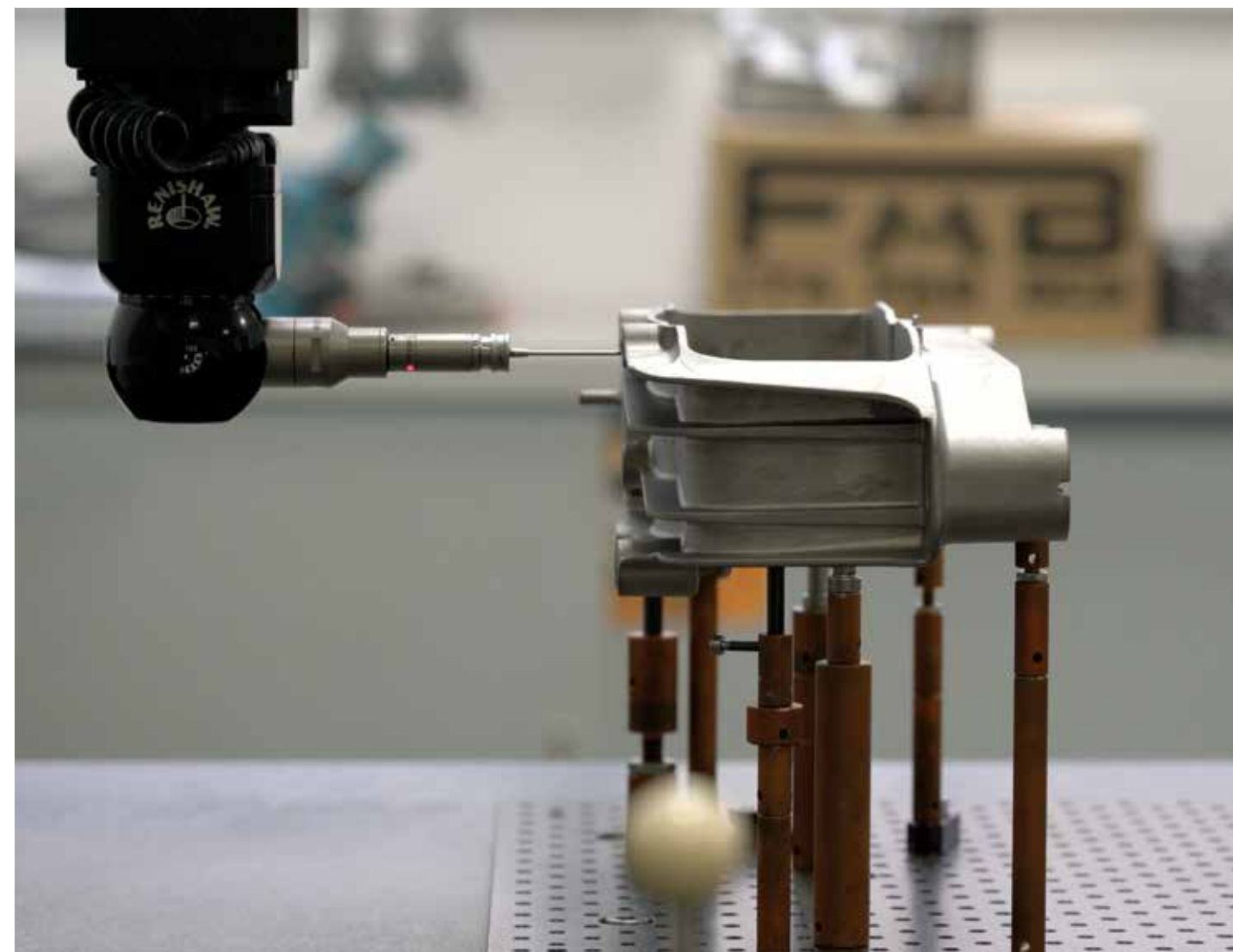
Quality of the production process - which must combine efficiency and sustainability - and quality of the product are the reasons why we use cutting-edge inspection equipment.

By using 3D CMM machines and a new-gen X-ray system as well as spectrometers, profile projectors, poka-yoke tools, callipers and gauges we provide our customers with all the quality reports developed with SPC technology.

Where required, we carry out compression and traction tests on the castings with special machinery available on all our production plants.



8



2024 © Source Fab Group

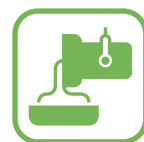
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## Production plants of Vicenza & Brendola (Italy)



extension  
10.000 m<sup>2</sup>



8 automated die casting cells from  
300 tons to 750 tons



8 gravity casting  
machines



Since 1988, FAB has specialised in Aluminium Die Casting. When the founder Mr. Luciano Bedin began production, the factory in Brendola near Vicenza was just a small company.

Nevertheless, thanks to his passion and the quality of his products, it soon began to make its name on the Italian and European market. Constantly evolving, using cutting-edge technologies, with a 10.000 m<sup>2</sup> of production plants, FAB has become a benchmark for customers in many different sectors including automotive, electric motors, pumps, gear motors, gas reducteurs, furnishing, hobby industries, generators, urban, furnishing, food industry and electrics.

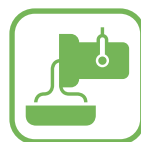


For over 30 years, we have taken on your projects and closely followed the entire production process. Our suppliers are partners who enable us to deliver pieces that have undergone CNC machining operations and surface treatments such as shot blasting, tumbling, coating, cataphoresis, heat treatments and anodization. Whether the simplest piece or the most complicated, in productions of hundreds or of thousands of parts - nothing changes for us.

We employ our technical skills, technology, reliability and passion so that every single component meets the customers' technical and quality requirements.



## Production plant of Galanta (Slovakia)



8 automated die casting cells from  
400 tons to 1.000 tons



extension  
12.000 m<sup>2</sup>



6 gravity casting  
machines



Since 1999, BCB has specialised in HPDC and Gravity Casting processes. Totalling over 12.000 m<sup>2</sup>, the two plants in Galanta - Slovakia - combine cutting-edge technology, know-how and technical skills which allow us to meet the specific needs of our customers in a broad range of sectors that include: automotive, electric motors, pumps, gear motors, furnishing, oil & gas industries and electrics.



BCB follows the entire process in-house thanks to a production site with HPDC cells and Gravity Casting machines, a finishing division, CNC machining operations, assembly and quality control departments.

**From raw material to the controls that ensure that every piece is perfectly conform to customer's specification, we supervise each and every step involved in transforming your designs into finished products. Quality, punctuality, competitiveness: these are the values that you demand us and that we assure thanks to the competence of our technicians, as well as the efficiency of our system.**

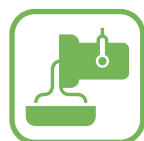




## Production plant of Moreira Maia (Portugal)



extension  
5.000 m<sup>2</sup>



6 automated die casting cells from  
750 tons to 1.600 tons



ITA Foundry s.a. is an integral part of FAB Group. The company presents itself as a point of reference for the HPDC market in Portugal, as well as in Western Europe. In the 5.000 m<sup>2</sup> extension of the plant, there are 6 automated die casting cells that range from 750 to 1.600 tons.



A highly specialized process that today combines the expertise of Portuguese technicians with the Italian know-how through the supervision of FAB Group. ITA Foundry s.a., the art of high pressure die casting.





# Plan the best result together



## Co-design, for a tailor-made project

It all starts from your project and your goals. Our technical department uses highly qualified skills and cutting-edge technologies to study together the characteristics of each product down to the smallest details and identify the most suitable production process to create it. Through Moldflow simulation and design software we test projects, verify their effectiveness and improve the finished product. It is through this co-design process that we create moulds and equipment in the name of the best technical solutions and concrete cost reduction.







# High Pressure Die Casting



22 automated HPDC cells

## The art of High Pressure Die Casting

Each project has its own characteristics. Fab Group has several automated die casting cells - from 300 to 1.600 tons - which enable us to make products in small, medium and large series. To achieve perfect results, each stage of the production process is monitored by a specific software and by our quality control department that allow us to meet our customers' technical, mechanical and aesthetic requirements.





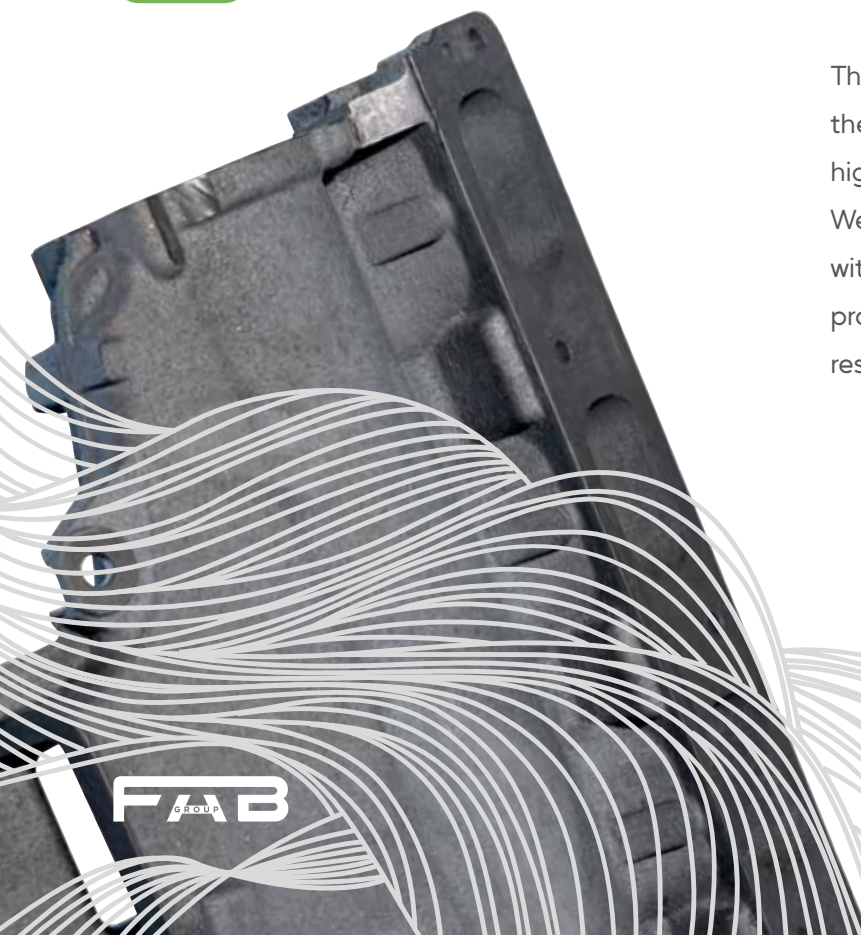
# Gravity Casting



14 gravity casting machines

## Maximum flexibility with gravity casting

The experience accumulated over the years and the systems present in our plants guarantee a high production capacity also for gravity casting. We manage different volumes and different alloys with great flexibility: this way we provide quality products, at competitive costs, which perfectly respond to the customer's specific requests.



FAB GROUP





# Finishing department



Shot blasting



Tumbling



Polishing



Deburring



CNC Machining



Other treatments



Assembling



Other operations



## Superficial & other finishing treatments



## Our finishes, our signature trademark

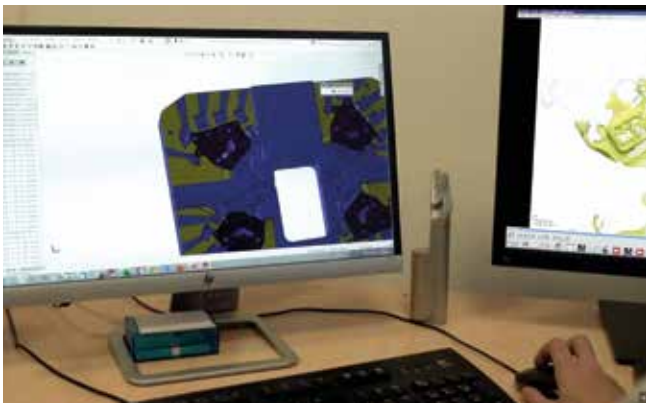
In our finishing department meet expertise and specific systems that allow individual products to be customized. We carry out surface treatments such as shotblasting (tunnel, belt and hook), tumbling, polishing and CNC machining operations. We enhance the human capital of the technicians and operators who collaborate with us every day to guarantee the best results, conform to the IATF 16949 certification as well as ISO 9001, important steps in a continuous improvement process. Quality also means taking responsibility for the world around us: this is why we have installed the most advanced environmental protection systems in our factories.







# Feasibility study, Moulds conception & Moldflow simulation

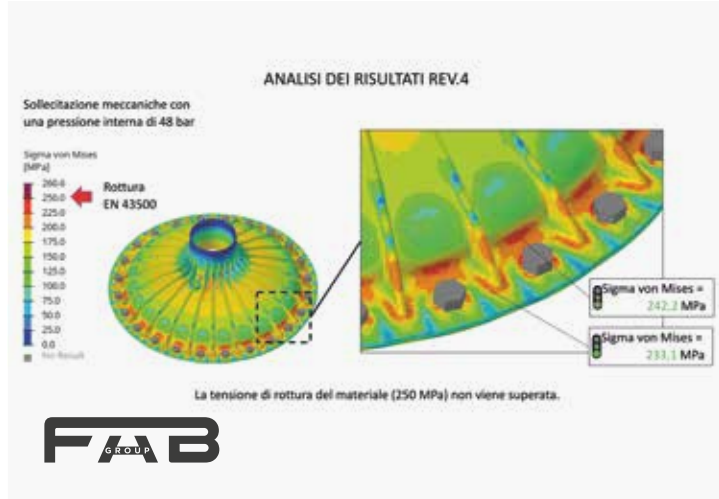


Our technicians - dynamic and highly qualified - work with the best moldflow simulation and design software. In collaboration with the customer, we develop the project through a process of co-design, merging our respective competences and studying the technical and functional characteristics of both the product and the whole production process in all its smallest details.

The result?  
Quality moulds and equipment,  
for maximum efficiency components.

## Fem Analisis

## Mouldflow simulation



# Our sectors



Automotive



Electric motors



Pumps



Gear motors



Urban furnishing



Burners



Oil and Gas



Food industry



Gas reducers



Automation



Electrics



Generators



Furnishing





# Everything under control with MES



Monitoring, control and optimization of industrial production in real time are key elements within FAB Group. MES, integrated with Sfera management software, is operational in each plant of the group's companies. Through the use of these advanced business intelligence tools and staff training, we can guarantee the optimization of the production cycles of each project, simplifying and accelerating implementation times.

