



COMPANY PROFILE



PROTOTYPING,
PRODUCTION
AND ASSEMBLY



HIGH PRECISION
MECHANICAL
MACHINING



INTEGRATED
LOGISTICS AND
CUSTOMIZED KITS



SUPPLY CHAIN
MANAGEMENT



QUALITY
CONTROL



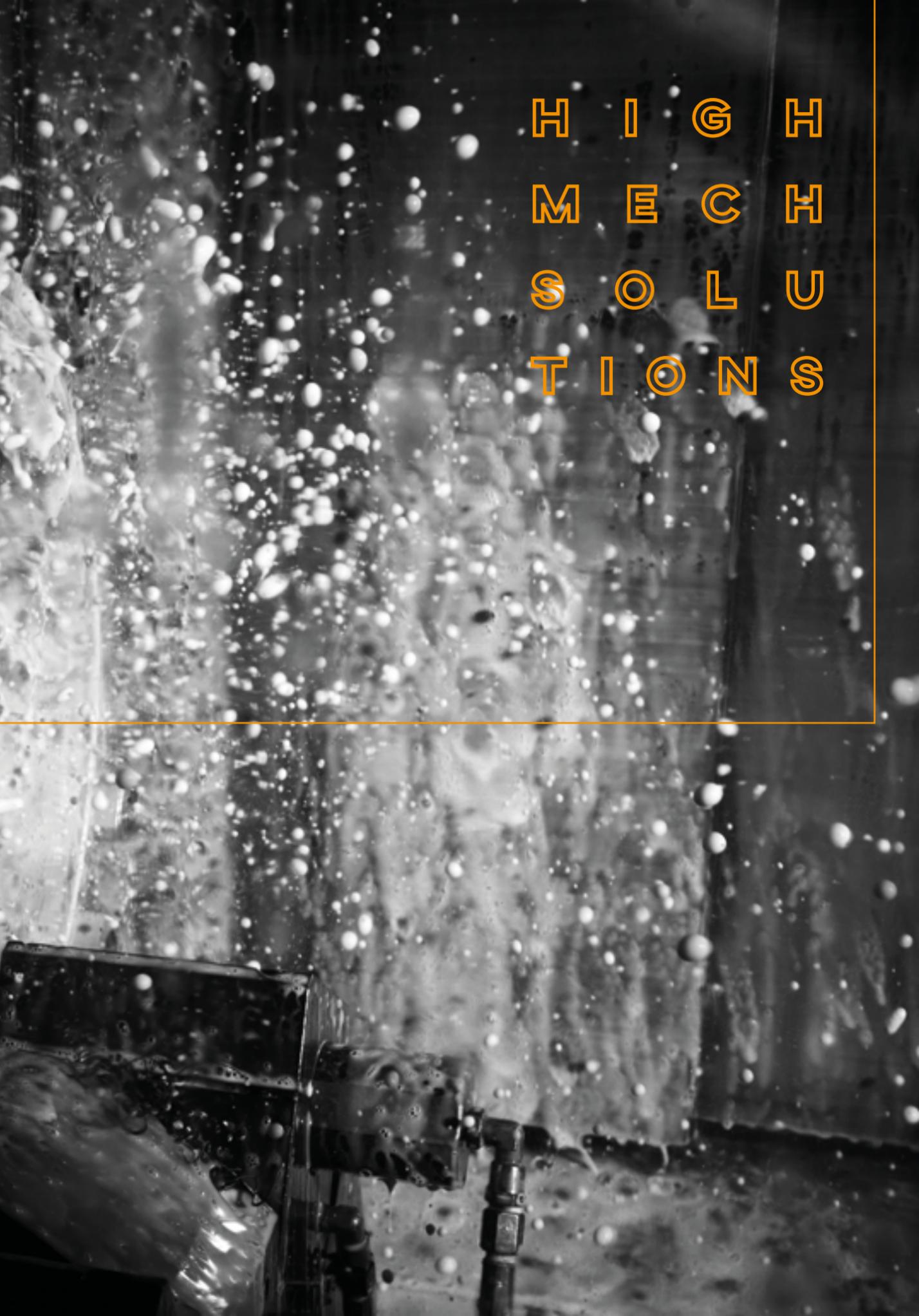
WAREHOUSING OF RAW
MATERIALS AND
SEMI-FINISHED PRODUCTS



RESEARCH AND
DEVELOPMENT



TECHNICAL
EXPERTISE



H I G H
M E C H
S O L U
T I O N S



ABOUT US

M E C H A N I C S A N D B E Y O N D

GFM is a solid industrial company with 40 years of experience, specialized in **designing, prototyping, production, machining and assembly** of precision mechanical components in all types of steel, alloys and superalloys.

By utilizing the latest technologies and machinery and having a highly skilled and specialized team, GFM has reinforced its identity with **reliability and professionalism**, thereby fostering loyalty among important international customers.

GFM has two facilities in Italy, which, in terms of **company procedures and structure**, are organized according to constantly monitored management systems. The quality management system envisages both product and process control in compliance with ISO 9001 and EN 9100 standards.

The headquarter in Mapello (BG) is the **organizational and management** heart of the company. At this site, the entire integrated chain of production, machining, supply and logistics of GFM's precision mechanical components is managed. It covers an area of 6,000m², and houses a large **stock of raw materials, semi-processed items and finished products**.

The company production site is located in Nembro. It covers an area of 4,500 m² and is dedicated to the manufacture of high-precision mechanical components. It also houses a department for research and development of innovative projects using **Additive Manufacturing** technology.



VISION AND MISSION

OUR GLOBAL VISION

We believe in the value of **experience** and in the importance of **relationships** so that we can communicate with customers and suppliers on common ground.

We take pride in offering the best **service** and every possible opportunity for **customization** to our customers, to meet the specific needs of every application.

We believe that **technical expertise** is vital in mechanics – it is the foundation for all design and manufacturing processes – and we possess an innate **attention to quality**, the end point of every project.

We continuously aim at **innovation**, to offer new answers to future demands.



Innovation towards mechanics of the future.





WHY CHOOSE US

A SERVICE BEYOND COMPARE

An unbeatable stock of raw materials

The vast warehouse of raw materials, semi-finished and finished products is one of GFM strong points since it distinguishes its offer and sets it apart from every other provider of high precision mechanical machining. GFM service begins with a prior evaluation of customer's needs, together with **continuous monitoring** of his requests, to guarantee the availability of strategic raw materials and so reduce procurement times at the start of the project.

A quality system for total control

GFM applies a single criterion to each company process: the search for total quality, which is relevant to both internal production processes and processes outsourced to qualified companies.

In practice, this model takes the form of an **integrated control system** which starts with a detailed analysis of customer's specifications and continues with constant monitoring of the entire production process, right up until quality checks are carried out on the finished products by performing laboratory tests and specific inspections.

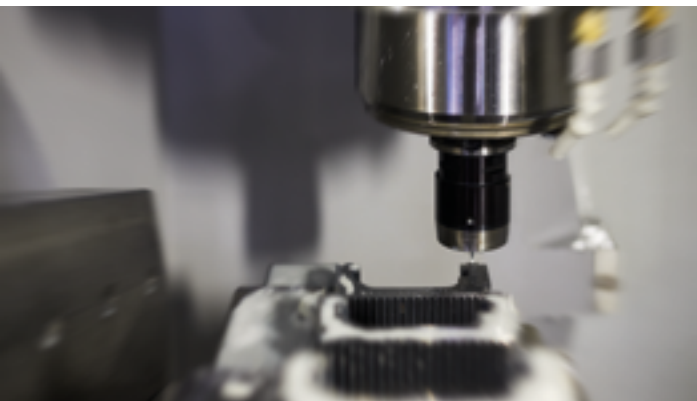
When the supply chain is tailor-made

GFM strength lies in its extreme flexibility, which is due to a combination of internal production capability and a network of external partners established over the years. Today GFM is organized as a **technical-productive hub**, which has a series of qualified mechanical workshops under its management. A synergistic method of working that **allows its customers to save time, resources and money**.

From integrated logistics to customized kits

GFM expertise doesn't just stop at the control and correct management of the production chain, but also lies in its ability to **manage the entire purchase order**: the perfect combination of quality and supply according to highly efficient logistics.

Thanks to its in-depth knowledge of the end use of its components, GFM is able to provide an additional service, an outstanding method designed to help the customer in managing strategic supplies: it is a tailor-made service that involves the supply of entire lists of components organized in customized kits, delivered according to the correct sequence of assembly.





TARGET MARKETS

A R E A S O F A P P L I C A T I O N

Energy

GFM is a leading company for the manufacture of high precision mechanical components for gas turbines, steam turbines and generators for the major OEMs in the energy sector worldwide.

Thanks to the know-how acquired in applying and developing new technologies, GFM is able not only to supply components, but also to develop innovative manufacturing technologies and handle the processing of purchase orders and advanced logistics.

Aerospace

Fortified by the EN 9100 certification, GFM guarantees competence and professionalism at the service of aerospace industry.

By continually investing in cutting-edge technologies and human resources training, and by its strong specialization in supplying mechanical components according to the customer's specifications, GFM is able to provide precision machining and manage the supply chain for aerospace applications.

Special applications

The experience acquired by GFM means that it can offer its services to all technologically advanced sectors, such as Oil & Gas, Automotive, Naval and Medical, which require highly complex items, or it can develop components by means of co-engineering for special applications using alternative materials or production processes.



OUR BUSINESS MODEL

G F M E N G I N E

GFM is a solid industrial company with over 40 years of experience. A complex system in which **each part plays a key role** in driving the company and delivering a complete service to the customer.

Like an engine, GFM achieves **superior level performance** thanks to the synergy between all its constituent parts, as well as its ability to utilize its skills and innovative spirit within a **production chain of the utmost quality** to produce high precision mechanical components.

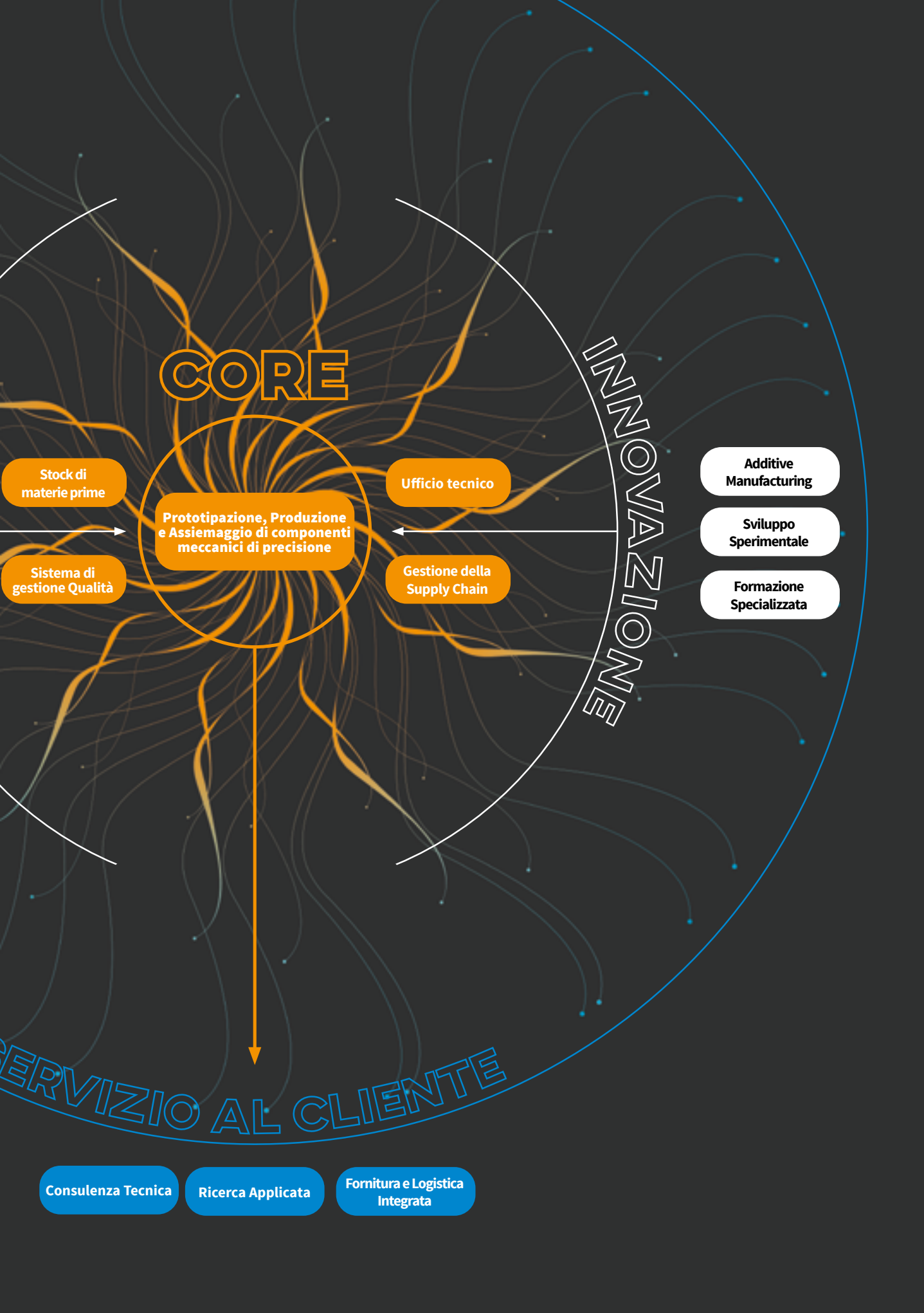
Whoever chooses GFM not only acquires an **expert supplier** in terms of production and assembly, but also a **specialized consultant** for the design of new components, a **certified and competent industry leader** in the management of the entire project, and above all a **reliable partner** for tackling new technological challenges.

Materiali

Processi

Prodotti

COMPETENZA



CORE

Prototipazione, Produzione
e Assemblaggio di componenti
meccanici di precisione

Stock di
materie prime

Sistema di
gestione Qualità

Ufficio tecnico

Gestione della
Supply Chain

INNOVAZIONE

Additive
Manufacturing

Sviluppo
Sperimentale

Formazione
Specializzata

SERVIZIO AL CLIENTE

Consulenza Tecnica

Ricerca Applicata

Fornitura e Logistica
Integrata

Prototyping, production and assembly of precision mechanical components are the core business of the company, the generator that energizes all correlated activities. An in-depth knowledge of technologies and processes, together with a high production capacity, allow it to meet all the customer's requirements.

Four key factors are inextricably linked to the core business:

- the **Technical Office**, which coordinates customers' requests and transforms them into a production process,

- the **Supply Chain Management**, in other words, the organization of the entire internal and external production and assembly chain of the components,

- the **Warehouse of raw materials and semi-finished products** which enables GFM to respond rapidly to customers' requests,

- the product and process **Quality Management System**, which complies with the most recent standards and certifications, guarantees a high level of quality of all components as well as production and logistic processes.

Two types of "fuel" sustain GFM core business:

- **expertise in materials, processes and products**, thanks to experience gained in 40 years of business to main successful projects developed, and the professionalism acquired,

- and a passion for **innovation**, the urge to incorporate new technologies such as **Additive Manufacturing** through **experimental development**, and for broadening knowledge through investment in **specialized training**.

This continually evolving organization is the driving force providing a comprehensive **service to the customer**:

- from **Technical Advice** for selecting raw materials, improving production processes and co-engineering components,

- to the **Applied Research** for incorporating new technologies into the design of components and development of prototypes,

- and **Supply and Integrated Logistics**, which is able to support and satisfy customer's logistical requirements, providing tailor-made solutions that simplify the final component handling stage.



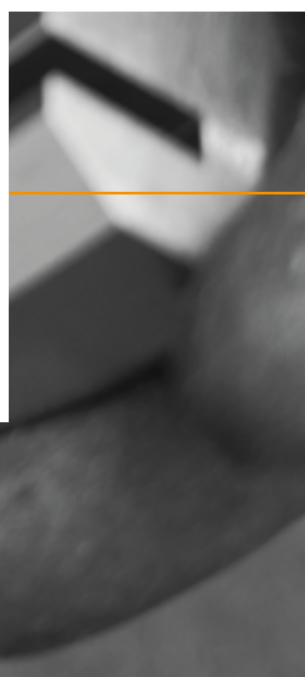
OUR PRODUCTION CAPABILITY

P R O D U C T I O N

GFM production area offers:

- A department dedicated to mechanical components prototyping and to the construction of special equipment for manufacture and assembly;
- Complex 3, 4, 5-axis machining using an extensive set of machinery with the latest CAD_CAM systems which offer a wide range of processes in terms of both complexity and dimensions;
- Qualification of internal and external production processes, performed by staff qualified to supervise: cold forging of metal alloys, welding processes (compilation of WPS, WPQR), heat treatment and coatings;
- Innovation through the Technological Centre, which houses machines for additive manufacturing powder bed process by the SLM (Selective Laser Melting) and laser cladding process by direct deposition . The laser cladding head is installed on a hybrid machine that combines additive and subtractive processes thus exploiting the advantages of the combination of the two.







OUR INNOVATIVE CAPACITY

I N N O V A T I O N

Over the years GFM has developed a **technological unit** inside its production area for the development of specific technical skills and expertise relating to advanced technology. GFM aim is to assist customers during **feasibility studies and process validation, to develop prototypes** and support **the pre-competitive analysis** of components and products through Additive Manufacturing.

Thanks to these efforts and by participating in **research projects** alongside organizations, universities, business associations and qualified partners in advanced manufacturing, GFM is now recognized both nationally and internationally as a **leading player on the topics of innovation, competitiveness, opportunity and inclusion.**

The development of new technologies and the continuous training of specialized personnel has allowed GFM to become an **influential exponent and driver of sustainable economic growth** in several clusters, associations and discussion panels, promoting business combinations and boosting competitiveness on markets.



WHERE TO FIND US

C O N T A C T S

GFM SpA

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MEMBERSHIPS



CERTIFICATIONS

ISO 9001:2015
EN 9100:2016



