



**GALPERTI**<sup>®</sup>  
GROUP  
*The Original*

YOUR BEST  
PARTNER  
SINCE 1921



# TIME LINE

**1921**

## FOUNDATION

Founded as Officine Nicola Galperti in Bellano, Italy, producing agricultural tools and railway components

In the  
**1950s**

## DIVERSIFICATION OF PRODUCTION

Moved to Dervio, Italy, and shifted focus to producing flanges to meet the demands of the chemical and petrochemical industries

**1994**

## GERA LARIO FACILITY AND GALPERTI ENGINEERING

Expanded to Gera Lario, Italy, doubling flange production capacity. Established Galperti Engineering and Flow Control SpA to produce valves for the oil and gas sector

**1995**

## EXPANSION TO THE UNITED STATES

Established Galperti Inc. in Houston, Texas, becoming a key manufacturer of flanges and forged products in the Americas

**2003**

## MIDDLE EAST FACILITY

Opened a facility in Jebel Ali, UAE, to meet stringent specifications and provide rapid customer service

**2010**

## CERCINO FORGING PLANT IN ITALY

Opened a second forging plant in Cercino, Italy, incorporating advanced automation technologies

**2014**

## EXPANSION TO BRAZIL

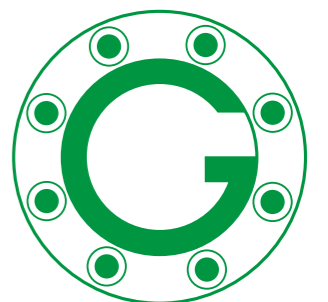
Acquired 50,000 square meters of land in Brazil and constructed a new production plant, expanding the presence in South America

**2023**

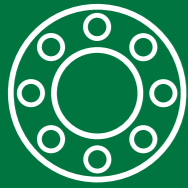
## SAUDI ARABIA

Acquired and expanded Precision Forgings Saudi Arabia, strengthening the presence in the Middle East

**FOUR  
GENERATIONS  
OF SUCCESS**



TO BE CONTINUED...



# FLANGES

Galperti Group's flange offerings are renowned for their quality and diversity, built upon years of industry experience. Our range includes standard flanges compliant with major international standards such as ANSI, ASME, API, NORSOK and EN, as well as bespoke flanges tailored for specific applications. We offer a wide range of dimensions, from small-scale flanges for light applications to large-scale solutions for complex industrial installations, and provide custom-designed flanges to meet unique customer specifications.

Each flange is crafted from high-quality materials including carbon steels, stainless steels, nickel alloys and other special alloys, ensuring robustness, durability and reliable performance even under extreme conditions. Our commitment to innovation enables us to closely collaborate with clients to address specific requirements and deliver optimal technical solutions. Our engineering department supports every phase of the process, from design through production, ensuring flanges that meet the highest standards of safety and quality.

### These items can be sourced from:

- Officine Nicola Galperti e Figlio S.p.A. - Italy
- Galperti, Inc. - USA
- Galperti Middle East FZE - UAE
- Galperti Manufacturing Malaysia SDN BHD - Malaysia
- Galperti Do Brasil E Industrial LTDA - Brazil
- Precision Forgings - KSA

### OUR PRODUCTS INCLUDE:

- WELDING NECK & BLIND FLANGES
- SLIP ON FLANGES
- LAP JOINT FLANGES
- SOCKET WELD FLANGES
- THREADED FLANGE
- LONG WELDING NECK FLANGES
- NIPOFLANGES & WELDOFLANGES
- COMPACT FLANGES
- ANCHOR FLANGES
- ORIFICE FLANGES
- SWIVEL RING FLANGES
- MISALIGNMENT FLANGES
- CLADDED FLANGES (WELD OVERLAY)
- SPECTACLE BLINDS, SPADES & SPACERS
- FORGED NOZZLES
- DRIP RINGS

For items not listed above, we offer customized flanges and additional services, including Finite Element Analysis (F.E.A.) and design calculations, all in compliance with required international codes and standards such as ASME VIII Div. 1 & 2 and API.

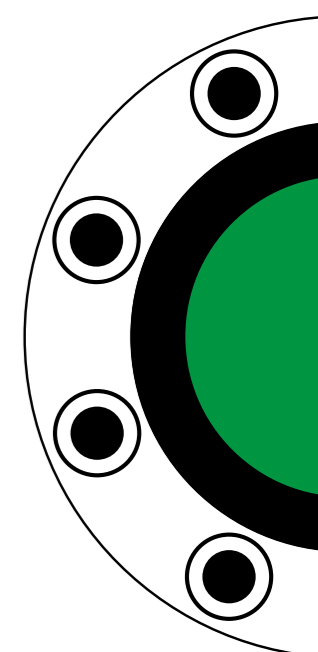


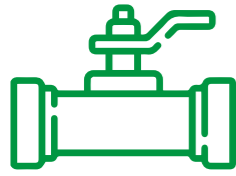
### DISCOVER OUR GC-LOK COMPACT FLANGES

GC-LOK Compact Flanges have been developed to offer a smaller, more reliable, and higher integrity alternative to conventional flanges. Derived from Norsok L-005 compact flanges, GC-LOK Compact Flanges utilize the same proven pressure-energized seal ring technology. This design allows for a more compact and high-performance flange, precisely sized to match the pipe bore.

### MAIN MATERIALS USED:

- CARBON STEEL
- ALLOY STEEL
- STAINLESS STEEL
- DUPLEX
- SUPER DUPLEX
- 6-MOLY
- INCOLOY
- INCONEL
- ALLOY 20
- MONEL
- HASTELLOY
- TITANIUM
- CU-NI





# VALVES / G-BLOK



## G-BLOK VALVE SOLUTIONS





The G-BLOK range includes a comprehensive selection of standard and specialized valves, including API 6A/6D/6DSS valves, double block and bleed ball valves, and slimline compact monoflanges. These valves are specifically designed to meet the stringent requirements of the oil and gas, petrochemical, and power generation industries.

G-BLOK valves are custom-engineered to address the specific demands of various project applications, including pipeline and instrumentation, topside or subsea/deep-sea environments, and conditions involving high or low temperatures, as well as corrosive or hazardous fluids. The design of G-BLOK valves integrates features developed through extensive laboratory and field testing, ensuring exceptional performance and reliability.

All G-BLOK valves are forged in-house and are available in a wide range of materials to meet all operational requirements. G-BLOK valves demonstrate our commitment to innovation, durability, and excellence in valve technology.

Utilizing advanced Additive Manufacturing techniques, small-sized valves can be produced in-house for fast-track delivery. This approach ensures a swift response to urgent project timelines, without compromising on quality and allows for fabrication of complex geometries tailored to meet specific operational requirements.



G-BLOK SOLUTION	RANGE		
G-Blok Modular DBB/SBB Ball, Needle and Gate Valves for instrumentation	NPS 1/2 to NPS 2 DN 15 TO DN 50	UP TO ASME 4500 UP TO API 15000psi	
G-Blok Modular DBB/SBB Ball Valves for process	NPS 1/2 TO NPS 2 DN 15 TO DN 600	UP TO ASME 4500 UP TO API 15000psi	
G-Blok Ball Valves for process	NPS 1/2 TO NPS 48 DN 15 TO DN 1200	UP TO ASME 4500 UP TO API 15000psi	
G-Blok Subsea Valves and Actuators (GRP Rack & Pinion Hydraulic and GHS Compact Hydraulic)	NPS 1/2 TO NPS 48 DN 15 TO DN 1200	UP TO ASME 4500 UP TO API 15000psi	
G-Blok Metal-to-Metal Floating Ball Valves for severe services applications	NPS 1/2 TO NPS 24 DN 65 TO DN 600	UP TO ASME 4500	
G-Blok Ball Valves for hydrogen service	NPS 1/2 TO NPS 12 DN 15 TO DN 300	UP TO ASME 2500	



## CLAMP CONNECTORS / G-LOK®

Galperti Engineering and Flow Control designs and manufactures forged clamp connectors in an extensive range of designs, materials, sizes, and pressure classes. These connectors are engineered to meet a wide range of specifications and applications, ensuring compliance with all relevant international standards.

Galperti's **G-LOK® Clamp Connectors** provide a fully proven alternative to conventional flanged connections, widely used throughout the Oil&Gas, petrochemical, and power generation industries. They are ideal for systems requiring high-integrity seals, compact piping and hookup arrangements, lightweight connections, and quick disassembly. Additionally, these connectors excel in rapid cycling operating conditions over extended periods, severe conditions with no routine maintenance requirements, and hydrogen service.



# HYPERBARIC CHAMBER

## Advanced Deep-Water Hyperbaric Testing Facility

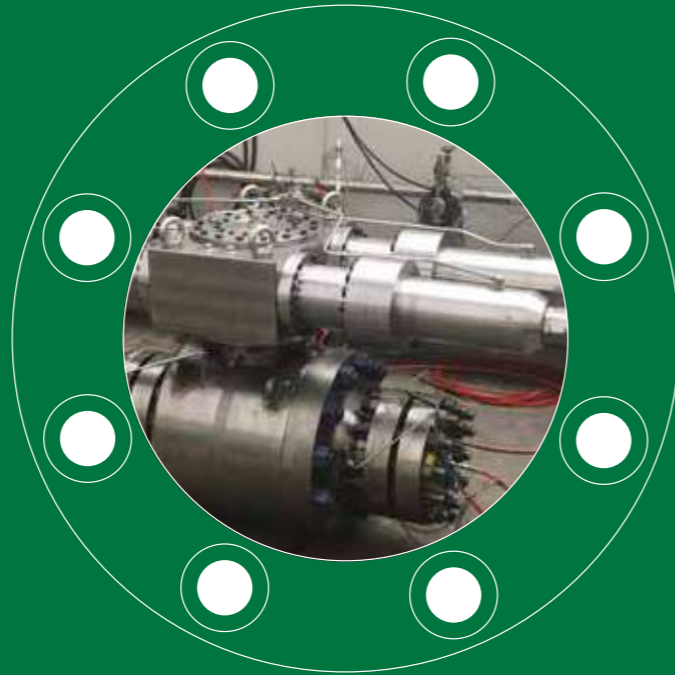
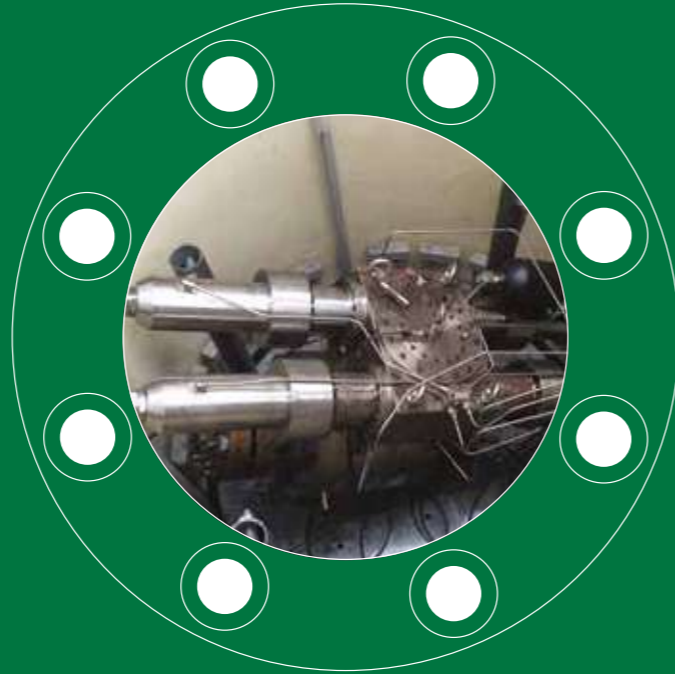
Galperti operates an advanced in-house deep-water hyperbaric chamber, standing as one of the most sophisticated in the Oil & Gas industry. This hyperbaric chamber, designed and constructed in-house, is capable of replicating extreme conditions found at depths of up to 5,000 meters. The primary intention of this chamber is to qualify Galperti valves and actuators and support customers with their deep-water projects:

### Key specifications include:

- Chamber Configuration: Vertical orientation
- Internal Dimensions: Diameter of 2,500 mm, and a total length of 7.5 meters
- Depth Rating: 5,000 meters (500 bar)
- Water Temperature Range: water cooling down to 4°C
- Connectors: Multiple inlet/outlet connectors accommodating high-pressure connections

### High-end technology options include:

- Fast Closure System: Reduces testing start-up lead time
- PLC Testing Sequence: Reduces endurance testing lead time
- Calibrated Subsea ROV Tool: Continuous monitoring of valve stroking torque
- Calibrated Sensors: For precise pressure and temperature measurements
- Subsea Camera: For enhanced visual monitoring



# ADDITIVE MANUFACTURING

## Advanced Additive Manufacturing Capabilities

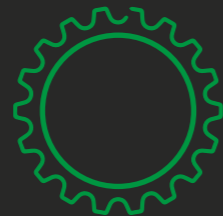
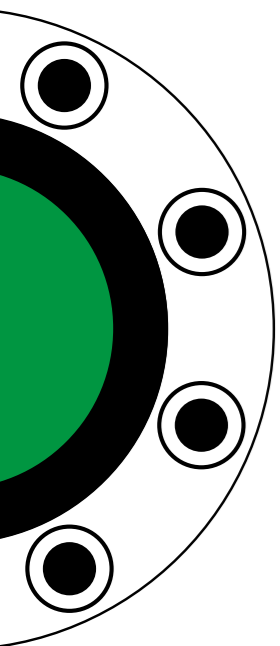
Galperti leverages cutting-edge additive manufacturing technology to deliver on-demand production, product digitalization, and fast-track services. The highest standards of quality and efficiency are assured by the full in-house know-how and in-house manufacturing with Laser Powder Bed Fusion (L-PBF) technology.

### Key features of our capabilities include:

- **Material:** Primary Inconel 625, ensuring high-end standardization
- **Lead Time:** Production lead times are counted in weeks instead of months, significantly accelerating project timelines
- **Quality and Certification:** Adherence to API 20S standards, guaranteeing top-tier quality and certification
- **In-House Testing:** API 20S quality is tested for each production batch within our internal laboratory to ensure the highest quality, reliability, and short lead times for testing and certification

- **On-Demand Spare Parts:** Ability to produce spare parts as needed, allowing customers to reduce inventory levels and manage stock more efficiently. This "just-in-time" production approach minimizes storage costs and ensures that parts are available precisely when required.

Galperti's advanced additive manufacturing process supports rapid prototyping and production, enabling digitalization of products for more efficient and flexible manufacturing solutions. Galperti's commitment to innovation and excellence ensures that the Galperti Group can meet the most demanding requirements of its customers, delivering high-quality components with unparalleled speed and precision.



## SLEW BEARINGS AND GEAR RINGS

### **GALPERTI GROUP: YOUR PARTNER IN EXCELLENCE**

At Galperti Tech Forged Products, we specialize in the design and manufacturing of high-quality forged products. For years, we have been supplying premier products to leading manufacturers in the offshore, marine, lifting, forestry, off-highway, mining, steelmaking, defense, energy, and many other industrial fields.

Our commitment to excellence is reflected in every product we create, using forged or forged and rolled steel parts enhanced by precise heat treatments.

### **OUR MAIN BEARING PRODUCTS INCLUDE:**

- Geared Rings
- Four-Point Contact Bearings
- Eight-Point Contact Bearings
- Cross Roller Bearings
- Three-Row Roller Bearings
- Combined Bearings
- Profile Bearings
- Custom-Designed Bearings for Special Applications (e.g., Bearing Wheels)

### **LARGE DIAMETER SLEW BEARINGS**

Galperti Tech Forged Products excels in manufacturing large diameter slew bearings tailored to a wide range of applications and specifications. We offer forged slewing rings and gear rings with diameters ranging from 250 mm to 7,000 mm.

For larger diameters, segmented rings are available. Our expertise encompasses design, calculation, construction, testing, and certification by recognized authorities such as ABS, BV, LR, DNV, RMRS and CCS.



### **IN-HOUSE CAPABILITIES:**

Our state-of-the-art production capabilities include:

- Turning
- Milling
- Boring and Tapping
- Gear Cutting and Grinding
- Finishing (Grinding and Hard Turning)
- Induction Hardening
- Stress Relieving

### **COMPREHENSIVE SOLUTIONS**

We are continuously expanding our product range to include pinions, both male and female, and special forged products such as stiffening flanges and non-circular shaped items.





## SPECIAL STEEL FORGINGS

Beyond slew bearings and gear rings, we boast extensive expertise in designing and producing a wide variety of special forged components.

Our capabilities include the manufacturing of seamless forged pipes and shafts, barrels, and long products up to 16 meters in length and 750 mm in outer diameter.

We ensure precise quality control and project management from initial design to final delivery.

Our heat treatment facilities support automated and controlled processes handling capacities from 10 to 40 tons.

### COMMITMENT TO EXCELLENCE

At Galperti Tech Forged Products, we prioritize rigorous process and quality control standards, robust project management, and precise timing throughout all production phases.

This commitment guarantees the delivery of top-tier products and ensures the success and profitability of our clients' projects.

### FORGED FITTINGS FOR ENERGY PROJECTS

Galperti Forged Fittings include Transition Pieces, Nozzles, and Self-Reinforced Nozzles, all designed to meet the highest production standards and ensure optimal performance in demanding projects. Each product is custom-designed, manufactured, and tested in-house to comply with the most stringent international standards.

### CUSTOMIZED SPECIAL FORGED PRODUCTS

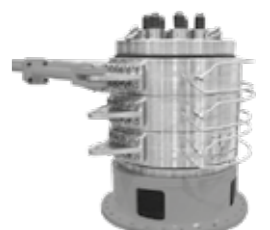
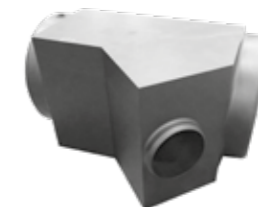
We produce a wide range of customized special forged products, including but not limited to:

- Connecting Pieces
- Buckle Arrestors
- Tees and Wyes
- Utility Swivels
- Flanged Blocks
- Chain Stoppers
- Piping Pipe Grooves
- Bulkheads
- Forged Anchors
- Forged Pipes
- Forged Reducer
- Taper/Stress Joints
- Multiline Bulkheads
- Forged Machined Ends
- Spools
- Cable Hang-Offs
- Semi-Finished Forged Rings
- J-Lay Collars
- Insulating Joints

All parts are delivered ready for assembly, ensuring convenience and efficiency for our customers.



**GALPERTI**  
GROUP  
*The Original*





## COMMITMENT TO EXCELLENCE AND QUALITY

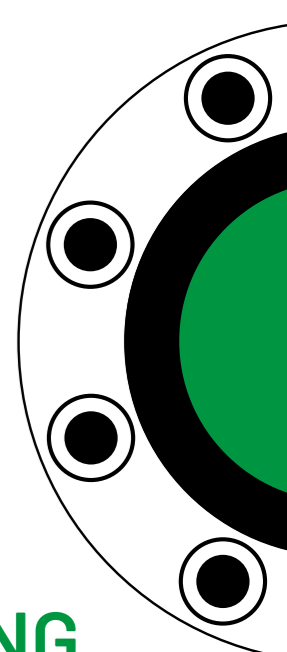
Our company is committed to excellence, sourcing raw materials such as bars, billets, and ingots exclusively from top-tier producers, predominantly Italian or other European manufacturers. This policy ensures the highest quality in every product we offer.

### MATERIAL GRADES OVERVIEW: KEY UTILIZATIONS IN OUR PRODUCTS

Carbon Steel	A350 LF2 CL. 1, CL. 2
Carbon Steel	A105N
Carbon Steel	A350 LF6
High-Pressure Service Steel	A694 F52, F60, F65, F70
Low -Temperature Service Steel	A707 L3, L5
Age-Hardening Alloy Steel	A859
Low Alloy Steel	AISI 4130, 4140 (42CrMoS4)
Low Alloy Steel	34CrNiMo6, 17NiCrMo6-4
Low Alloy Steel	36NiCrMo16
Low Alloy Steel	A182 F11
Low Alloy Steel	A182 F22
Low Alloy Steel	A182 F5
Low Alloy Steel	A182 F9
Low Alloy Steel	A182 F91
Austenitic SS	A182 F304, F304L, F304H
Austenitic SS	A182 F310
Austenitic SS	A182 F316, F316L, F316H
Austenitic SS	A182 F316LM
Austenitic SS	A182 F317, F317L
Austenitic SS	A182 F321, F321H
Austenitic SS	A182 F347, F347H
Austenitic SS	A182 F44
Ferritic-Austenitic SS	A182 F51, F60
Ferritic-Austenitic SS	A182 F53
Ferritic-Austenitic SS	A182 F55
PH Martensitic SS	A564 GR. 630 (17-4PH)
Nickel Alloy	B564 INCOLOY 800
Nickel Alloy	B564 INCOLOY 825
Nickel Alloy	B564 INCONEL 600
Nickel Alloy	B564 INCONEL 625
Nickel Alloy	B564 INCONEL 718
Nickel Alloy	B462 UNS N10276
Nickel Alloy	Alloy 20 - UNS N08020
Nickel-Copper Alloy	B564 UNS N04400
Titanium	B381 GR. 2, GR. 3, GR. 5

For any material grades not listed above or for any custom requirements, we are prepared to assess the feasibility and guarantee the best solution tailored to your needs.





## CUTTING, HEATING AND FORGING PROCESS

Our process begins with cutting the raw materials using advanced band saws specifically designed for cold cuts, capable of handling bars with diameters up to 1,500 mm. Once the billets are cut cold, they are transferred to reheating furnaces to reach the required temperature for the forging process. For certain materials, we also perform hot cuts, managing diameters up to 300 mm. Our forging process is conducted entirely in house, and includes both open-die and closed-die forging methods. Mechanical or hydraulic presses are used, depending on the specific product requirements.

From our forge  
to the world:  
**GALPERTI EXCELLENCE,**  
**MADE IN-HOUSE**



## HEAT TREATMENT

Our post-forging heat treatment process is designed to enhance the mechanical and metallurgical properties of our products. Conducted within our own facilities, we offer a variety of treatments tailored for every type of steel, such as Normalizing, Quenching, Tempering, Annealing, and Quenching Precipitation Hardening.

With furnaces ranging from 3 to 40 tons in capacity, all project needs are met seamlessly.

## WE PROVIDE THE CONFIDENCE YOU NEED IN OUR PRODUCTS

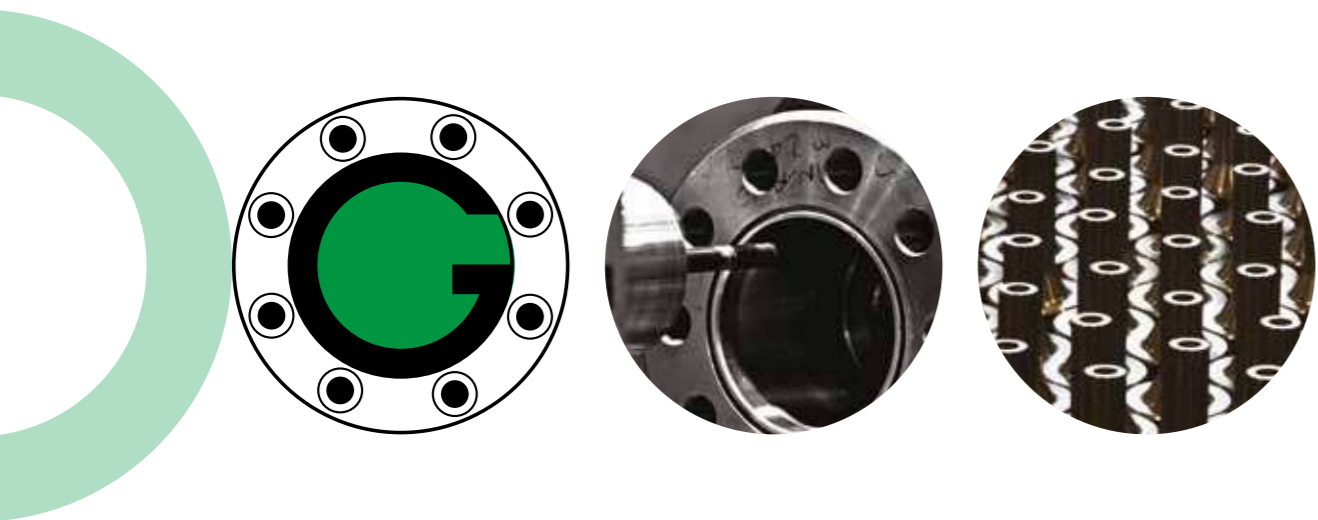
Step into the core of our quality assurance process with our comprehensive in-house laboratories.

We conduct a rigorous suite of destructive and non-destructive tests. We are equipped with cutting-edge technology to simulate real-world conditions, ensuring that every product adheres to industry standards, thereby guaranteeing the integrity and performance of our materials.



### LABORATORY TESTING SERVICES:

- Chemical analysis
- Impact test
- Tensile test
- Hot tensile test up to 900°C
- Bend test on welded joints
- Hardness test (Brinell, Vickers)
- Average grain size determination
- Volume fraction determination (ferrite) via manual counting
- Second phase content determination via automatic method
- Non-metallic inclusions content determination in steels
- Metallographic etching and micrograph analysis
- Austenite spacing measurement
- Macroscopic examination
- Intergranular corrosion susceptibility test
- Evaluation of pitting corrosion resistance in stainless steels
- Determination of deleterious intermetallic phases in duplex austenitic and ferritic stainless steels.
- Density determination of powder metallurgy (PM) materials with less than 2% porosity
- Simulated post-weld heat treatment (SPWHT)



## ENSURING PRECISION IN EVERY PROJECT

From high-volume production to unique, one-of-a-kind products, we excel at every stage of the machining process. Our capabilities include roughing, turning, milling, drilling, and specialized machining. We offer a wide range of processes and finishes tailored to meet even the most demanding specifications. At the core of our machining excellence are hundreds of state-of-the-art machines and extensive in-house expertise, ensuring precision and quality in every project.



## WELDING AND CLADDING

Our extensive suite of services includes expert welding capabilities, specializing in delivering precise groove welds, full penetration welds, girth welds, corrosion resistant overlays and hardfacing.

We utilize advanced GMAW, GTAW, and SAW processes across both robotic and manual welding stations.



## PAINTING AND COATING

We offer a wide range of specialized services, including:

- **ANTIRUST:**  
Advanced solutions for rust protection, ensuring long-term durability and material resilience.
- **INDUSTRIAL MULTICOMPONENT PAINT APPLICATION:**  
Application of various industrial paints, such as epoxy, using various cycles to ensure maximum efficiency and coating quality.
- **METALLIZATION:**  
Thermal spray aluminum (TSA) services, providing innovative metal protection and coating, ideal for extreme environments and industrial applications.
- **PTFE COATING:**  
Application of PTFE (Polytetrafluoroethylene) coatings that deliver excellent non-stick properties, chemical resistance, and high performance in challenging operating conditions.
- **ZINC COATING:**  
Zinc coating services that offer effective corrosion protection and enhance the longevity of metal surfaces.





## NDT AND FINAL INSPECTION

We are dedicated to maximizing quality through Non-Destructive Testing (NDT) services performed during the final inspection phase. Our capabilities cover the most common NDT methods, including:

- Liquid Penetrant Testing (LPT)
- Magnetic Particle Inspection (MPI)
- Ultrasonic Testing (UT)
- Positive Material Identification (PMI)
- Dimensional Analysis

In addition to these standard tests, we offer specialized NDT tailored to specific product categories, ensuring thorough and precise evaluations that meet industry standards.













By choosing us, you are partnering with a leader in quality assurance. Our commitment to excellence and accuracy in NDT allows us to deliver reliable results, contributing to the success and safety of your operations.



## PACKING AND SHIPMENT

We employ advanced packaging solutions that prioritize the safety of your materials during transit while adhering to current international logistics regulations. Each packaging method is tailored to the specific needs of your shipment, providing robust protection against potential hazards and ensuring peace of mind throughout the journey.

## CERTIFICATIONS

-  ISO 9001
-  ISO 17025
-  ISO 14001
-  API 6D/6A/6DSS
-  PED
-  TR CU 032
-  ABS
-  NORSOK
-  BV MARINE
-  DNV MARINE
-  LR MARINE
-  ISO 45001



All certificates associated with each branch of the Group are available for viewing and downloading at [www.galperti.com](http://www.galperti.com)

## APPLICATIONS



### OIL & GAS

We provide durable, high-performance flanges, clamp connectors, valves and components for the oil & gas industry, enhancing safety and operational efficiency.



### PETROCHEMICAL

We provide high-quality components for the petrochemical industry, ensuring reliability and efficiency in chemical processing and production.



### RENEWABLES

We support renewable energy systems with innovative components that enhance efficiency and reduce carbon emissions.



### AEROSPACE

We deliver high-performance components for aerospace, ensuring they meet stringent safety and performance standards.



### POWER GENERATION

We supply reliable components for power plants, supporting efficient energy production and distribution across traditional and renewable sources.



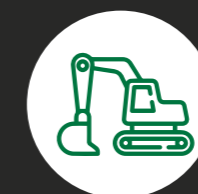
### WATER

We provide corrosion-resistant components for water treatment, distribution and desalination plants, ensuring reliable delivery of clean water.



### SHIPBUILDING & MARINE

We supply robust components for marine vessels, ensuring optimal performance and longevity in the demanding maritime environment.



### EARTH MOVING

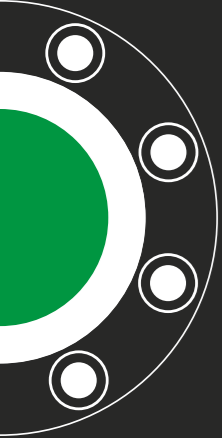
We deliver durable components for heavy machinery in construction and mining, ensuring operational efficiency in harsh conditions.



### DEFENCE

We offer precision-engineered components for military applications, meeting rigorous standards for performance and reliability.





**GALPERTI**  
GROUP  
*The Original*

OUR  
**WORLDWIDE**  
PRESENCE



**PRODUCTION COMPANIES**

- ITALY
- U.S.A.
- U.A.E.
- MALAYSIA
- BRAZIL
- SAUDI ARABIA



**COMMERCIAL NETWORKS**

- CANADA
- NORWAY, SWEDEN, FINLAND, DENMARK
- UNITED KINGDOM
- GERMANY, BELGIUM, NETHERLANDS
- POLAND
- AUSTRALIA
- SINGAPORE
- INDONESIA
- CHINA
- SOUTH KOREA



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*The Original*

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