

**Ascential**

Technologies | Test & Measurement Systems

**Creative solutions  
for customer  
success**

**Galileo**



**Galileo TP Process Equipment S.r.l. is the result of the merging of former Officine Galileo Technology and Tecnoplant, one of the first companies in the field to have obtained ISO 9001 quality certification. This merging of technologies, traditions and human resources has resulted in a company with a history of continued growth and development on a worldwide level since the 1940s.**

## **Our mission**

**Galileo TP's** main goal is to exceed the expectations of our customers in an effective and efficient way by making our expertise in the refrigeration industry readily accessible to our customers.

Dedicating all of our company's resources to the refrigeration industry is the result of more than 50 years of manufacturing commitment to serving this market.

Our specialized experience allows Galileo TP to address the needs and demands, as well as the different safety and legal requirements, that govern the industry.

We are able to anticipate the industry's production trends and provide leading-edge technical and functional solutions while providing exceptional service and after-sale assistance across the globe.



## Our history

**1930-1940** Officine Galileo Technology starts the production of pumps and measurement instruments for the high vacuum.

**1957-1959** One of the first electromechanical systems in the world is built for one biggest Italian industrial groups, aimed at the evacuation and charge of refrigerant fluids with complete automatic functioning (the evolution of the equipment, the series V210F, from 1972 will be exported all over the world).

**1961-1965** Valves for high vacuums are produced, they can be regulated pneumatically and electromagnetically (series V4ac-et).

**1965-1971** The first diffusion pumps are designed and produced to reach high vacuum levels up to  $1 \times 10^{-7}$  mbar (series V3af-bk).

**1979-1981** Birth of the first double stage rotary vacuum pumps with a direct drive (Modular series).

**1982-1983** At the beginning of the new information Era, Officine Galileo created the first line of automatic machines for vacuum and refrigerant fluids charge controlled by a microprocessor (Digifill series).

**1985-1986** Officine Galileo designed the first software for management of process equipment and for data collection aimed at high production plants (Diagnomat and Seledignomat).

**1989** The "Vacuum Technology" division of Officine Galileo becomes a separate company with the name of Galileo Vacuum Tec. The new generation of double stage rotary vacuum pumps is introduced (Vacsound series).

**1992-1993** The first charging machine for the evacuation and charge of hydrocarbons (isobutane R600a) is developed for the domestic refrigeration industry (Prodigit series).

**1997** The Galileo Vacuum Tec operations dedicated to the refrigeration industry are merged in a fusion with the company Tecnoplant and thus the company Galileo TP Process Equipment S.r.l. is created. The company becomes one of the first companies in the world in this sector to obtain ISO 90001 certification.

**1999** Galileo TP Process Equipment S.r.l., definitively purchased all the activities regarding the manufactures of RAC market and the vacuum products (vacuum pumps, Pirani sensor, strain-gauge, fittings, etc.) including all the intellectual properties, licenses, project and patents.

**2005** Galileo TP Process Equipment S.r.l. opened brand new Regional Sales and Service Center worldwide for better customer care and satisfaction, located in East Europe (Bulgaria), U.S.A. and China. This year Galileo TP Process Equipment also purchased all the activities, licenses projects and intellectual properties of ETS Elettronica, and thus acquired the know-how regarding the helium leak detect testing system and automotive components.

**2011** Galileo TP Process Equipment S.r.l. established its headquarter in Via del Pantano 73A, 50018 Scandicci (Florence), Italy.

**2013** Galileo TP Process Equipment S.r.l. opened a new Regional Sales and Service Center in Brazil.

**2018** Galileo TP Process Equipment S.r.l. joined the Burke Porter Group - a global leader in the design, manufacture and supply of intelligent machines - in July 2018.

**2020** Using the Galileo TP Process Equipment S.r.l. technologies and systems, millions of refrigerating units are produced annually throughout the world.





## Our mission

Our company is dedicated to high quality standards. In 1997, Galileo TP obtained ISO 9001 certification, becoming the first company in our field to achieve this. All our activities regarding the design, production, marketing and assistance of process equipment for the production lines of refrigeration units and our products for evacuation are conceived and carried out to ensure the best possible return of investment for our customers.

Our concept of quality can be summarized as follows:

- ▲ Compliance with legal requirements and regulations
- ▲ Compliance with requirements imposed by customer contracts
- ▲ Product compliance with the characteristics expressed in customer specifications
- ▲ Price stability and competitiveness

Moreover, Galileo TP has historically provided and continues to provide strategic technological and academic training on important refrigeration technologies such as Vacuum and Leak Detection, contributing to the improvement of the industry's know-how.





## Environment & Safety

Protecting the environment and our workers' safety is of utmost importance to Galileo TP. In the early 1980's, Galileo TP tested the first charging machines for environmentally friendly fluids and manufactured recovery units for polluting gases.

Since then, our close collaboration with environmental government agencies in several countries around the world as well as the UN and its affiliated organizations have enabled Galileo to fulfill an extremely important strategic mission: to preserve the earth from environmental pollution.

By supplying production systems that allow the use of flammable gases, Galileo TP has contributed to the protection of thousands of operators.

Galileo TP has shared its experience and expertise in these areas by providing a series of training sessions specifically focused on workplace safety in compliance with the most recent European standards (ATEX II).



## Products



Engineering of industrial production lines



Leak detection systems



Helium recovery systems



Evacuation



Refrigerant fluids & gas charging machines



Refrigerant charging machine accessories



Ultrasonic welding systems



Electrical safety test



Performance test system



Data acquisition systems

## Designed to meet your needs

Our company has designed and engineered a vast array of refrigeration products to suit the most demanding requests for any type of production or work. Our products can be divided into three main sectors:

- ▲ Production machines: necessary for all production phases
- ▲ Test machines: necessary for testing the product from the assembly to the final stage of production
- ▲ Machines built for outside of production lines such as items that are used for repairing lines, labs or for the after sales

All our machines are built according to European regulations in order to meet the highest quality standards. The products that have to work in ATEX classified areas and test safety features (i.e. electrical test) are provided with certifications from TUV, an International accredited agency. All our products can be connected via Ethernet or with other types of digital signals, and they can be integrated with our data acquisition system GEDA. With the data acquired and stored in our machines, the software can control all the phases of the production process and provide extensive analysis, including data related to the productivity and quality of the controlled production lines.

## Our market

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Contact us today to discuss how we can help tackle your toughest, most complex challenges and unlock the performance of your business.

## About Ascential Technologies

Ascential Technologies tackles the most challenging problems where the cost of failure is high.

We design, develop, and automate complex diagnostics, inspection, and test processes across medical & life science, transportation, and test & measurement end markets.

With 70+ years of experience, 2,300+ experts, and over 40 locations across the globe, Ascential Technologies leverages the power of science and technology to accelerate innovation and improve health and safety.

**Impossible? Done.**