



OFFICINE MECCANICHE GALLARATESI S.p.A.



COMPANY OVERVIEW

History

Officine Meccaniche Gallaratesi S.p.A. was established in 1907 by a group of Milanese entrepreneurs.

The company's main activity during its early years was centred around an engineering workshop and its annexed cast iron foundry and aimed at satisfying the increasing demands of the rapidly expanding Lombardy industry at the start of the century.

During following years, the company added the construction of machines to its production, in particular positive-displacement pumps and compressors.

The first patent for a hollow disc rotary pump was registered in 1918. The principle patented at the time is being used in a series of pumps still in production.

The 1950's saw the design and production of the first plunger dosing pumps. The range of dosing pumps has since been expanded with the introduction of a number of diaphragm dosing pumps during the 70's.

During the 1980's, OMG initiated the introduction of a formalized quality system, with the first complete quality system being adopted in 1992.

In the spring of 1996, OMG quality system was certified as conforming to ISO 9001.

In order to satisfy the increasing demands from leading engineering companies and major international industrial groups, in the 1970's OMG expanded its activities to include the design and construction of package dosing systems, manufactured according to customer's specifications and the main governing standards

The dosing system sector has progressively been developed to the extent that, since the early 90's, OMG has become one of the principal competitors in this particular market, presenting itself as a versatile and reliable supplier.

Facilities

Technical-sales offices:

With around 20 employees taking care of both technical-sales and administrative activities. All our commercial staff are engineering graduates specialized in the process pumps and dosing system sector, available to customers for any type of technical consultation, whether it be on the pumps themselves or system characteristics.

Factory:

Extending over an area of 11,000 m², with 9000 m² under cover, the works are the core of our production activities. The factory is located in an enviable position at the center of one of the main European industrial areas, approximately 1 km and 5 km respectively from the "Autostrada dei laghi" (the Lakes motorway connecting Milan with central Europe) (Gallarate exit) and the new Milan Malpensa international airport.

The works houses the manufacturing and production control departments, in particular:



OFFICINE MECCANICHE GALLARATESI S.p.A.



- warehouse (over 1500 m²)
- mechanical machining: with over 50 machine tools, of which 12 are numerically controlled
- assembly: covering an area of 800 m²
- welding and dosing systems assembly: employing welders qualified to ASME standards and covering an area in excess of 800 m². The department is equipped with all the latest machinery necessary for welding pipe and structural steel.
- test laboratory: covering an area of over 500 m² and employing a technical staff of 6 people
- painting and dispatch: including a spray paint booth and modern facilities for packing construction

The Gallarate works also houses the following departments:

- engineering and design: employing designers utilizing an integrated CAD network equipped with two- and three-dimensional CAD systems for mechanical and system design.
- project co-ordination department: looking after the co-ordination of the principal production projects and, in particular, the construction of dosing systems

In total, around 100 people, including support staff, are employed at the Gallarate works.

Production processes

Unlike other pump manufacturers, OMG has chosen to retain all the design and construction activities in-house, maintaining a higher level of quality control and greater internal flexibility in satisfying the specific requirements of the principal users.

In particular, OMG also has an extensive mechanical machining shop with 12 numerically controlled machines, consisting of:

- 4 work centers
- 6 parallel lathes
- 1 grinding machine
- 1 measuring machine for carrying out automatic dimensional checks of machined components
- 2 automatic saws

In addition to the numerically controlled machines, the OMG workshop also utilizes over 40 traditional machine tools, all operating at maximum efficiency thanks to an intensive preventive maintenance program.

All our pumps are fully assembled in our assembly department. Each individual pump is run-in and tested at the factory's test laboratory to ascertain its fault-free operation and total compliance with the customer's requirements, all in accordance with the setting-up and inspection procedures of the OMG certified quality system.

The design of the dosing pumps and systems is performed directly by the company's own engineering department which, thanks to its wealth of experience and the most recent CAD design tools, is able to satisfy the technical requirements of all major clients and users.



OFFICINE MECCANICHE GALLARATESI S.p.A.



Quality system and reference standards

Since the late 80's, OMG has been utilizing a Quality System in line with UNI EN ISO standards.

The Quality System was UNI EN ISO 9002 certified in March 1995 and extended to UNI EN 9001:2008 coverage in 1996.

Today OMG employs an integrated quality assurance System (compliant to ISO 9001 / 14001 and BS OHSAS 18001) certified by Bureau Veritas Quality International Italia.

The same Quality System was directly validated by American Petroleum Institute in the year 2013.

All the dosing pumps produced by the company comply with standard API 675 (latest edition).

OMG can also manufacture pumps and systems complying with the principal industrial reference standards such as UOP, ASME, EXXON basic practices, SHELL, ENI and AMOCO, among others.

OMG main products:

1) POSITIVE DISPLACEMENT CONTROLLED VOLUME PUMPS DESIGN CODE API 675

- PLUNGER TYPE ECODOX, DOXA.L, DOXA.M, DOXE-2M and DOXE-3M model
- DOUBLE DIAPHRAGMS TYPE IDRODOX, DOXA.L/MM, DOXA.M/DS or /MM, DOXE 2M/DS, and DOXE-3M/DS model

2) POSITIVE DISPLACEMENT RECIPROCATING PUMPS DESIGN CODE API 674

- PLUNGER TYPE DOXE-2FF and DOXE-3FF model
- DOUBLE DIAPHRAGMS TYPE DOXE-2FF/DS and DOXE3-FF/DS model

3) HOLLOW DISC ROTARY PUMPS

- HOLLOW DISC TYPE U, G, RS model

4) COMPLETE CHEMICAL INJECTION PACKAGES INCLUDING OMG PUMPS

5) ACCESSORIES / SPARE PARTS

6) SERVICE ACTIVITIES