



Plastic  
Processing  
and Moulding

# GelliPlast

Plastic Processing and Moulding



## IDENTITY

The story of GelliPlast starts in 1978, in Castellina Scalo in the Municipality of Monteriggioni (SIENA).

Ferdinando Gelli, the founder, started his own plastic materials moulding activity in the footwear sector, and now after more than thirty years on the market, GelliPlast is proposing itself as leader in the moulding sector even if with different horizons and with an industrial ability able to face the commitments with its Customers.

The knowledge and technology that GelliPlast has, efficiently valorises the management of its organisation starting from the production plant of 3000 sq m with annexed yard of suitable surface, located in a natural geographic area about 12 km from Florence - San Casciano in Val di Pesa, in the land of Chianti wine.



Realisation of products belonging to the Water Treatment sector.  
Example of injection up to 3.5 kg of thermoplastic material



## PROFILE

GelliPlast policy has always been directed towards company development and growth operating with its own processes, within a Quality Management System, certified since 1997.

The company applies a modern approach, competitive and of great flexible capacity to each production request.

Attention to new technologies, continuous updating to new thermoplastic materials, attention towards production innovation, and the sensitivity for the environmental policy allow GelliPlast to be the ideal Partner for the realisation of products in every sector of application.

## PRODUCTION

ENGEL, ARBURG, OIMA, HAITIAN and BATTENFELD brand plants, technologically advanced and of latest generation are only some of the investments realised and dedicated to the highly automatised production department, the presses, all powered by a centralised system, have Cartesian robots for the handling of the moulded products. Currently, GelliPlast has 18 injection presses with tonnage starting from 65t up to 900t together with conveyor belts that end the production cycle handling the semifinished products towards packaging.





**MORETTO FLOWMATIK DRYING SYSTEM** for dehumidifications of raw materials

The company can produce articles that require specific assembling in one or more phases; therefore, it is equipped with automatic and semiautomatic systems for processing with inserts. The department is also supplied with a highly automatised production line with a KUKA anthropomorphic robot, dedicated to specific processing with high qualitative standards.

Unless otherwise specified, the waste and scraps are managed with immediate recycling processes or disposed of in compliance with the standards in force through qualified companies.

Moreover, the department is equipped with a large innovative MORETTO dehumidification system, used for polyamide articles in order to improve the mechanical and aesthetic properties of the products.



**KUKA anthropomorphic robot**



## MOULDS DESIGN AND REALISATION



In the new short-term strategies, GelliPlast takes charge to realise and supply the moulds to the Customer. Suppliers with great expertise in design and qualified Workshops will be involved in this activity.

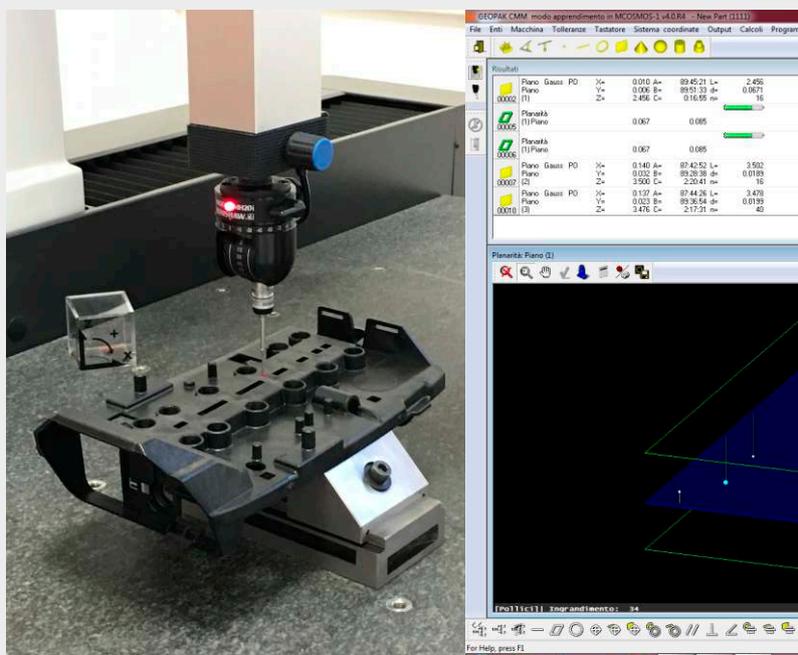
The design process will be managed within the UNI EN 9100/2008 Certified System.

## LABORATORY

Apart from the correct management of the processing and punctual maintenance of the systems and equipment, product quality is guaranteed by the planning of tests and checks, which keep into account the characteristics and critical requirements of the product.

The checks and the tests, which start from the raw materials acceptance phase up to the product ones, are supported by a laboratory located in a controlled environment. Among other things, the laboratory has equipment that allows executing the following tests:

- Analyses of the Creeps and loads;
- IZOD and CHARPY Pendulum for resilience tests;
- Melt Index for fluidity tests;
- Coordinate Measuring Machine.





# CERTIFICATIONS AND QUALIFICATIONS



GelliPlast applies the Quality Management Systems in compliance with the following standards:

- UNI EN ISO 9001 - 2008 edition,
- UNI EN 9100 - 2009 edition for the aeronautics and aerospace sectors.

Moreover, the processes of GelliPlast have been qualified by the most important Clients, among which RFI, INFRABEL, and PANDROL.

## REFERENCES

- Pentair
- Targetti
- Infrabel
- Vossloh
- Pandrol
- Railtech
- Lodovichi
- Coopsette
- RFI
- SNCF
- Pizzarotti
- Vianini
- Salini Costruttori
- Pramac
- Lifter
- Soc. Condotti Acqua



Example of some articles realised for the railway sector



eDART systems for stabilization and control of the molding processes.



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UNI EN ISO 9001 - 2008 Edition (cert. No. 50 100 12326 – Rev. 01).  
UNI EN 9100 - 2009 Edition for the aeronautics and aerospace sectors (cert. No. 50 100 12720).



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