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Founded in 2004, POLYURETECH Srl has become an important technological partner for industrial machinery manufacturers of different industrial sectors.

Core business of the company is the manufacturing of mechanical components using high performance elastomeric polyurethane, along with other complementary and supplementary activities (as molds manufacturing, mechanical machining, processing of rubber and technopolymers) aimed to ensure more flexibility.

A 30 years experienced management, highly trained personnel and modern facilities, allow to supply complete and customized applications, developed and optimized according to the specific technical needs of each customer.

ALL THE MANUFACTURING PROCESSES AND R&D ON PROJECTS OR RAW MATERIALS ARE DIRECTLY MANAGED INSIDE THE COMPANY, ALLOWING THE SUPPLY OF EVERY ARTICLE WITHOUT ANY NEED FOR ADDITIONAL STEPS.

MANUFACTURING PROCESSES

CASTING OF TECHNICAL ARTICLES

Mold casting of polyurethane technical articles, complete of the necessary metal inserts. The whole process is performed internally, from project development to product finishing.



COATING OF METAL PARTS

Coating of metal parts with elastomeric polyurethane, in particular, coating of rollers, wheels and bearings with diameters up to 2.500 mm and maximum length of 6.000 mm.



SURFACE TREATMENT WITH SPRAY POLYURETHANE

Surface spray coating with high wear resistant polyurethane.



MECHANICAL MACHINING

Mechanical machining of polyurethane articles, especially whenever are requested very tight dimensional tolerances or a special surface finishing.



WATERJET CUTTING

Waterjet cutting of polyurethane sheets for the manufacturing of profiles, seals and more.



TPU INJECTION MOLDING

Injection molding of thermoplastic polyurethane articles.



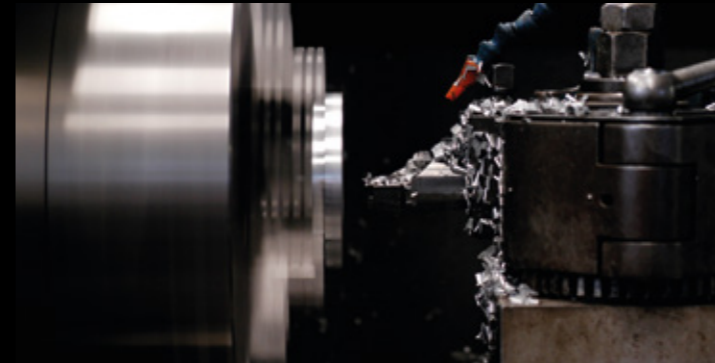
POLYURETHANE

The company is strongly specialized in processing high performance elastomeric polyurethane. With an hardness range from 5 Shore A to 95 Shore A it is suitable for many applications.

METAL

MECHANICAL MACHINING

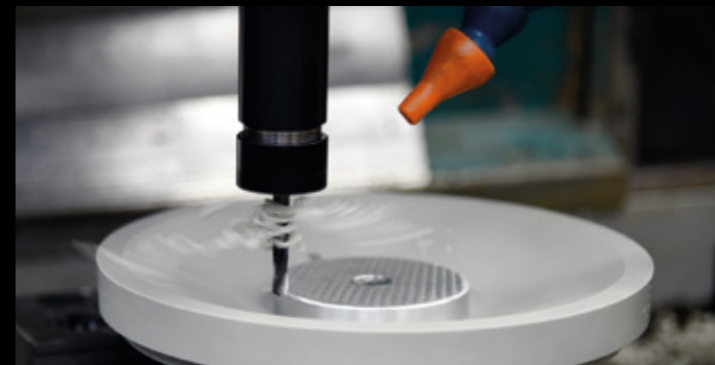
Mechanical machining of metal components, in particular for the manufacturing of molds or parts to be coated with polyurethane or rubber.



TECHNOPOLYMERS

MANUFACTURING PROCESSES

Mechanical machining
Injection molding
Waterjet cutting



RUBBER

MANUFACTURING PROCESSES

Rollers and wheels coating
Manufacturing of technical articles
Waterjet cutting
Mechanical machining

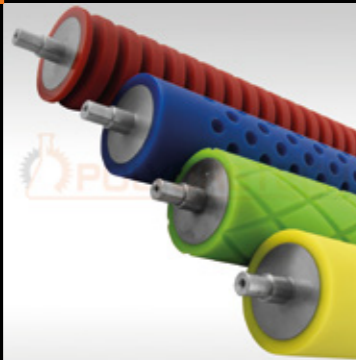


ROLLERS - WHEELS - BEARINGS

PRODUCTS

Polyurethane coating of rollers, wheels and bearings is the most common application for this and other kind of elastomers. The company employs special machining systems to provide various kind of surface finishing and adapt each article to customer needs.

ROLLERS WITH VARIOUS FINISHINGS



COATED WHEELS



PULLEYS



COATED BEARINGS

METAL PARTS



INSERTS AND COMPONENTS



PRODUCTS

POLYURETHANE TECHNICAL ARTICLES

The versatility of polyurethane allows to manufacture various kind of articles adapting them to different industrial fields. Among these: gaskets, profiles, bellows, special rollers, buffers, vacuum cups, grippers, hydrocyclones and much more. Anyway being the company specialized in tailor made applications, there is virtually no limit to the solutions which can be supplied.

SEALS



BELLOWS



SPECIAL ROLLERS



VACUUM CUPS

TECHNOPOLYMER ARTICLES



INJECTION MOLDED OR MACHINED



R&D

POLYURETECH Srl aims to be a reliable technological partner for its customers, cooperating with them to the development of every project.



MECHANICAL ENGINEERING AND DESIGN

Mechanical engineering and design are managed in-house by a technical team long experienced in manufacturing processes and use of 3D CAD systems.

Starting from inputs gave by customers as drawings, technical needs or even just problems, it is possible to find solutions to be developed, prototyped and serially produced.

The optimization of design and materials, allows the customer to obtain a remarkable saving of time and resources which otherwise would be spent in R&D.

POLYURETECH Srl has its own modern laboratory run by highly trained operators.

The tests performed here, allow to study the different kind of materials employed by the company or sent by customers, in order to find the most suitable application for customer needs. In the lab are carried out research activities to improve the knowledge of different materials and increase the range of solutions to be offered.

The parameters which can be verified are:
Abrasion, Compression, Density, Hardness, Tear resistance, Chemical resistance (block oven), Resistivity, Traction.



POLYURETECH

LABORATORY

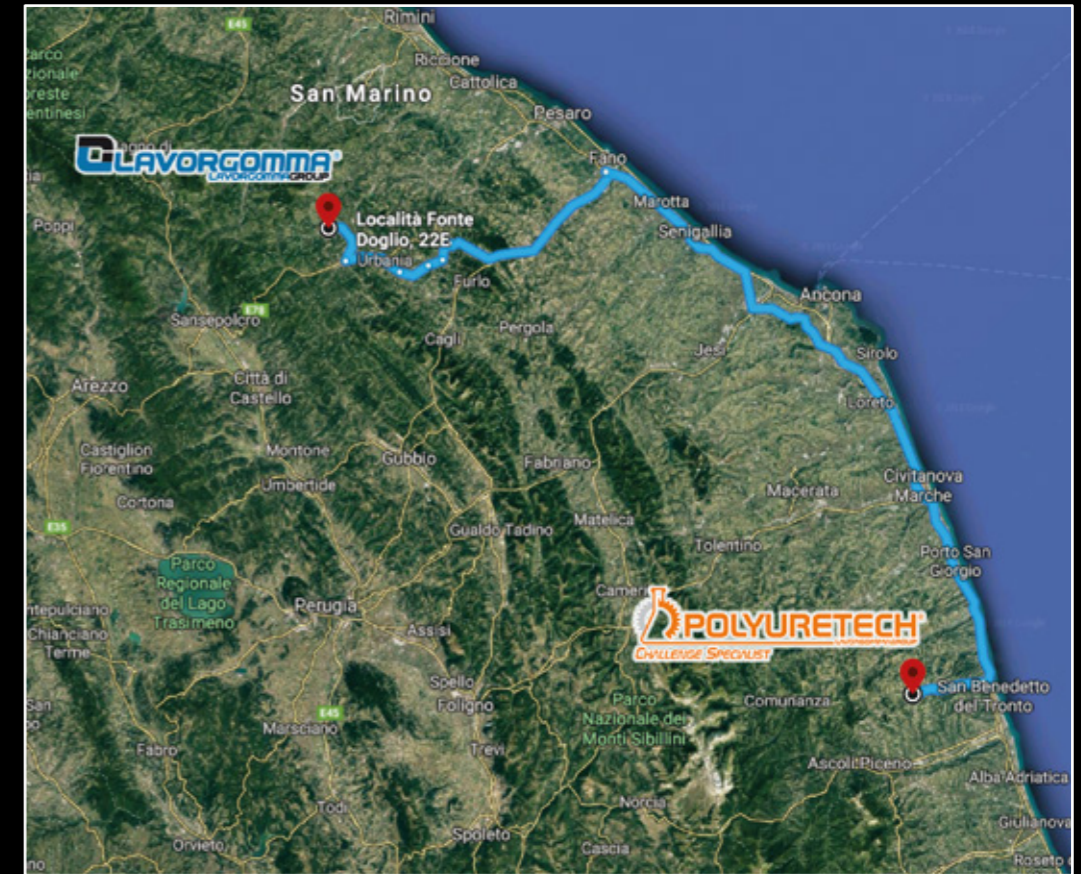
The main focus at POLYURETECH Srl, is the continuous improvement of quality with sustainable costs, a constantly growing attention to product, increasing of efficiency, disposability and safety guarantee.

The quality of production processes, management and offered services is granted by the full compliance to the Quality Management System UNI EN ISO 9001-2015 (Cert Nr. 5010012433 - Rev.002).

The company is also allowed to manufacture articles suitable for contact with food products and antistatic articles for ATEX applications, issuing special Declarations of Conformity.



PARTNERS



QUALITY MANAGEMENT



Polyuretech srl | Contrada Tesino, 43 - 63073 Offida (AP) IT

Tel. (+39) 0736.373288 - Fax (+39) 0736.371298

info@polyuretech.com

www.polyuretech.com



Cert. nr. 5010012433