

Total Sealing Solutions





Identity

Building the future together

GAPI IDENTITY

GAPI is a family owned industrial group, founded in Castelli Calepio Italy in 1962. Since the beginning, the mission was to create an integrated system able to develop and realize a complete range of sealing solutions and high performance materials.

Today, GAPI has more than 50 years' experience in the technical development of Sealing Solutions for demanding and diverse applications. Our 12 manufacturing sites have invested in the most advanced technologies

for the production of Rubber, Thermoplastic, Engineering plastic and PTFE sealing products.

Being family owned, gives the GAPI Group a strong financial stability and the ability to make investments in technology, facilities and equipment. With the ability to make quick decisions, GAPI is committed to providing our customers with quality and service.

NUMBERS

In our evolution we have extended our structure and know how, keeping the key factors and the flexibility of a medium company.



89 millions sales in Euro



700 employees throughout the world



12 manufacturing sites



6 logistic centers strategically placed to serve our Worldwide customer base



More than **1** billion seals produced per year



Method

A problem solving approach

GAPI METHOD

In the modern market it is not enough to be a good supplier; a customer needs a partner. The GAPI METHOD is the right answer to this requirement giving to the customer a TOTAL SEALING.



1 - LISTEN

Our team of commercial and technical people take the time to listen our customers' requirements and understand the critical points of the application to find the best process to provide the right solution.

3 - INTEGRATED MANUFACTURING

The verticalization of every phase from design, development and manufacture provides us the complete control of all processes. Our phases include the manufacture of the compound, the molding, the finishing and all final activities. We follow a continual requirement to improve our processes and provide the market with an innovative product.

2 - CO-DESIGN

Our technical people work all together with the customer to co-design the right seal. We continually strive to provide the best solution at lowest total cost, focusing on the reduction to time-to market.

4 - RELIABILITY AND SERVICE

Our advanced control system can guarantee an objective quality level in line with our customers' requirements. In many cases, due to our sophisticated test laboratory equipment, we can simulate the working condition of a seal so we ensure reliability of the product during its life. We have one face to the customer; our sales and technical people can support you with all your sealing requirements, before, during and after sale.





Solutions

Products and applications

FOCUS ON MARKET

Gapi has experience in every sector where a seal is required. We have the most advanced technologies in all the divisions. We can make sophisticated seals and we can give a solution in the most critical application.

Our competence is in static and dynamic applications for rotating and reciprocal movements. Severe condition like high pressure, high and low temperature, aggressive agents are some of the requirements for a sealing element.

Our main segments are:

- **Mobility and transport**
- **Construction and agriculture**
- **Industry and manufacturing**
- **Oil & Gas**
- **Chemical and healthcare**
- **Food and beverage**

OUR PRODUCTION DIVISIONS

Rubber, rubber and metal, Polyurethane and thermoplastic, PTFE, Engineering Plastics



MATERIALS



NBR
AEM
NR
TORLON

FKM
MVQ
PTFE
PEEK

HNBR
FFKM
PU

EPDM
FMVQ
POM

SBR
CR
PPS

ECO
ACM
NYLON

Solutions

Areas of application



**CONSTRUCTION
AND AGRICULTURE**

**INDUSTRY
AND MANUFACTURING**

**MOBILITY AND
TRANSPORT**

OIL & GAS

**FOOD
AND BEVERAGE**

**CHEMICAL
AND HEALTHCARE**



Solutions

Products
and applications



O-RINGS AND BACK UP RINGS

We can manufacture every kind of O-Ring and Back-Up Ring, in rubber, thermoplastic and PTFE. We are also able to develop and produce special materials to meet specific functions and applications. Our general program of more than 4000 standard dimensions in different rubber compounds is always in stock in all our logistic centers. If requested we can offer to zero defect by using automatic control machines.



OIL SEALS

We manufacture a huge range of oil seals in different materials. We can produce specific profiles for different applications, like white industry, gear boxes, engines, mechanical transmission and pumps. Our products are tested to ensure long-life reliability. We have a complete program of sizes according to DIN 3760 standard and always in stock in our logistic centers.



CASSETTE AND COMBI SEALS

This range of oil seals are developed to satisfy heavy duty applications like construction and agriculture machines. We can develop very complex profiles with the combination of different materials; rubber and metal combining PTFE and polyurethane are commonly used. We have test equipment that can simulate the specific applications of our customers and the more extreme mud conditions.



POWER STEERING AND SHOCK ABSORBER SEALS

This range of seals is made for axial movement in the presence of oil at high pressure, direct or pulsating, where there is a high dynamic eccentricity or a violent traverse stress. Over the last few years, we had the possibility to develop, thanks to a collaboration with our customers, high performance seals for use in extremely difficult conditions. The range of products are made in rubber and metal with additional anti extrusion ring for high pressure. We have test equipment that can simulate the specific applications of our customers.



RUBBER BRAKE PARTS

We produce all kinds of rubber parts required in a brake system, both calipers and drum brakes. Lip seals, square seals, piston boot with and without metallic insert, bellows, dust boots, diaphragms, bushing, caps, connections, valve seals are the main products. Our standard compounds are compatible with synthetic brake fluids (DOT4) or mineral oils. We work according to the customer drawing and in many cases, we develop in co-design.

Solutions

Products and applications



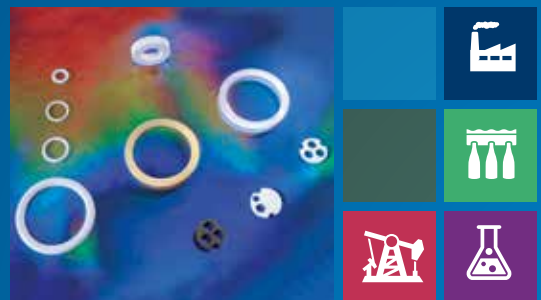
HYDRAULIC AND PNEUMATIC SEALS

We manufacture a complete range of seals for static and dynamic applications in Hydraulic and Pneumatic systems. Piston and rod seals, wipers, wear rings and static seals are the main products. Material including Polyurethane, Rubber, PTFE and Thermoplastic are commonly used. Our technical team can develop any new seal in co-design with the customer. We have a standard program of metric seals always available in our logistic centers. In our laboratory, we can carry out life-time tests to guarantee the best performance.



PERFLUOROELASTOMER PRODUCTS

The more aggressive and unforgiving the environment, the more critical it becomes to optimize the seal design and material selection. Performance and application requirements can be achieved with Gapi's comprehensive range of Perfluoroelastomers materials that offer exceptional Chemical and Thermal resistance (-45C to + 330°C). Perfluoroelastomers combine the Sealing Performance of conventional elastomers with chemical resistance comparable to PTFE.



PTFE PRODUCTS

PTFE is one of the most versatile materials with exceptional chemical and thermal resistance (-200 to +260°C). We have a complete process; from the production of the compound, in granular and fine powder, to basic shaped products like: tubes, rods, sheets; finally machined with lathes or CNC equipment. Our technical department can develop profiles following the customer requirements. O-rings, back up rings, skived tapes, thin wall tubing, valve seat ring, nozzles, piston rings, insulators are some of the products we produce.



RUBBER MOLDED PARTS

Our rubber units can make all kind of profile required by our customer. The possibility to have different technologies in molding, including compression, injection and transfer processes, combined with finishing solutions like cryogenic, tumbling and punching give us the possibility to choose the best process. The development and the production in-house of every compound complete the manufacturing cycle. We have the ability to supply zero defect products with extremely tight tolerances.



ENGINEERING PRODUCTS

GAPI provides injection molded components for high end applications, with a focus on friction, wear, dimensional stability and stiffness. Preferred materials are TORLON (PAI), PEEK and PPS. For reliable performance at extremely high temperature and stress, TORLON polymers are the right solution, covering a temperature range from cryogenic up to 260°C (500 F). GAPI offers full service, including a high level of engineering and development, material selection and processing, test facilities and assembly support.





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