



Your Total Sealing Partner

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profile



Presentation

page

- 3 ► **Milestones**
- 4 ► **Strategy**
- 6 ► **Group Companies**
- 8 ► **Group Sales**
- 9 ► **Compounds Division**
- 10 ► **Rubber Division**
- 14 ► **PTFE Division**
- 16 ► **Technopolymers Division**
- 17 ► **Polyurethane Division**
- 19 ► **Development & Research**
- 20 ► **Labs & Controls**
- 21 ► **Main Products**
- 22 ► **Main Customers Group**



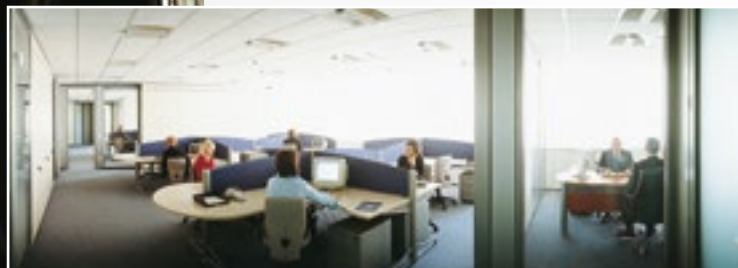
GAPI GROUP HeadQuarter - Italy



profile

Milestones

- 1962** First establishment of **GALIZZI PIERINO**.
- 1969** Establishment of **GAPI s.r.l.**
- 1980** Development of rubber injection molding systems.
Industrialization of O-ring surface finishing.
- 1981** Development of standard programs for O-ring and shaft seals.
- 1986** Accomplishment of stocking of 3500 dimensions of O-ring according to Standard specifications.
- 1987** Establishment of **GAPI USA Inc.**, buyout of **MIROS s.r.l.** and **MACMA s.r.l.** (parts in polyurethane)
- 1990** Buyout of **LANZA Nuova S.p.A.** and **MG s.r.l.** (PTFE completes the Group product program)
- 1991** Construction of the first GAPI logistic center in Italy to improve customer servicing.
- 1994** Establishment of **GAPI GmbH** Germany.
Starting of a rubber compounding department.
- 1998** Establishing **GAPI Ltd** by merging a branch of Polypenco/DSM (Paste extruded PTFE tubes).
Buyout of **ROLF S.p.A.** (Specialized in Rotary shaft seals).
- 1999** Buyout of **PRADELLA & MATEGO S.p.A.** (designer and manufacturer of special toolings for rubber molding – molder of special rubber seals).
Merging of a branch of Polypenco/DSM into GAPI GmbH (PTFE finished parts)
Creation of a 2nd logistic center **GAPI Europe s.a.** in Luxembourg to strengthen service to european customers.
- 2009** Buyout of **ARTIC SEALS s.r.l.** (designer and manufacturer of hydraulic & Pneumatic sealing systems).
- 2010** Buyout of **Fluoril** (PTFE finished parts) to completes the Group product program.
- 2012** Establishment of **GAPI Sealing System**; distribution center in Spain (Madrid and Basque Country).



GAPI GROUP HeadQuarter - Italy



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Strategy

GAPI GROUP sells standard products to distribution.

Strategy is based on service guaranteed by an unmatched availability of material from stock: GAPI GROUP stock is likely the most important worldwide with more than 13.000 Items ready for sale and three dedicated locations for PTFE distribution.

GAPI GROUP sells to OEM customers made to order products , mainly through the affiliates companies Rolf S.p.A., Pradella & Matego S.p.A., Gapi Technische Produkte GmbH and Artic Seals.

In the sealing sector GAPI has such a complete range of products , materials and technologies that only international groups several times larger are able to duplicate: this means short time to answer customer requirements and the possibility to offer a wide array of solutions.

GAPI S.p.A. - Logistic Center - Italy



Strategy

GAPI GROUP is an integrated Group, its core business being the sealings sector in elastomeric material and plastics.

O-Rings, rotary shaft seals and other standard seals, manufactured in a variety of elastomeric compounds and warehoused especially as NBR and FPM, by far the most widely used ones.

Seals and engineering products made to order, always in elastomeric material, for the general industry, with the automotive sector being the most important.

Standard seals made out of high performance plastics (PTFE, polyurethanes) as well as PTFE basic shapes for general industry applications.

Seals and engineering products made to order of high performance plastics (PTFE, polyurethanes, Torlon ®) mostly for the automotive industry.

Seals and engineering products produced in Polyurethan and Thermoplastic material mostly for Hydraulic and Pneumatic application.

TORLON ® is a SOLVAY trademark



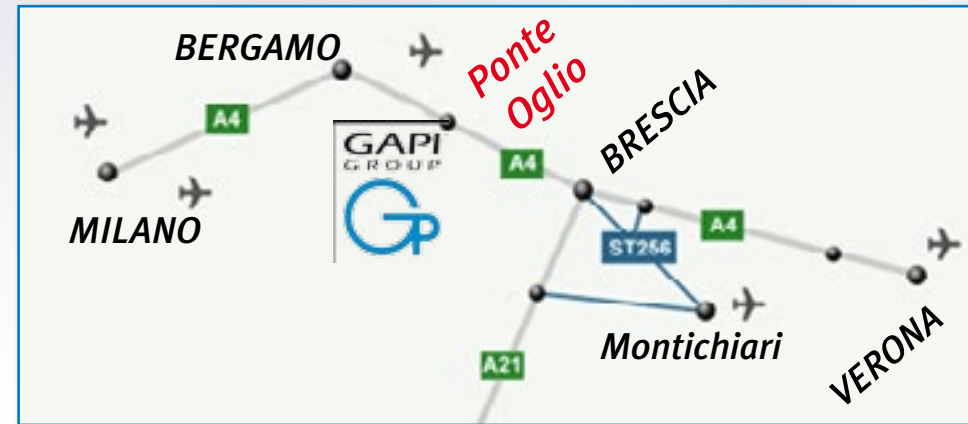
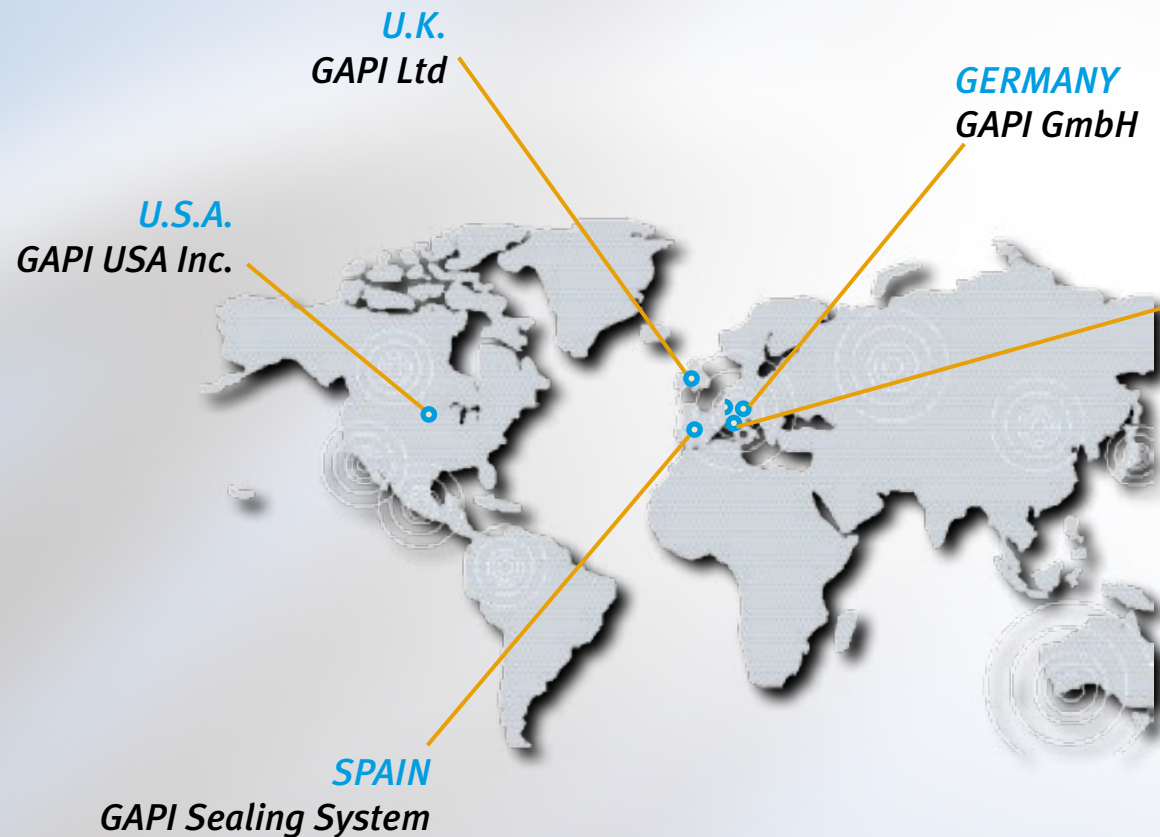
GAPI S.p.A. - Logistic Center - Italy



Group Companies

Group Companies	Location	Employee	Logistic	Rubber	PTFE	Thermo & Techno Polymer
GAPI S.p.A. HeadQuarter	Italy	47				
GAPI S.p.A. Logistic Center	Italy	15	●			
GAPI S.p.A. Rubber division	Italy	112		●		
GAPI S.p.A. Compounds division	Italy	26		●		
GAPI S.p.A. PTFE division	Italy	43			○	
GAPI S.p.A. PTFE division - Fluoril	Italy	72			○	
ARTIC SEALS s.r.l.	Italy	31				○
PRADELLA & MATEGO S.p.A.	Italy	71		●		
ROLF S.p.A.	Italy	75		●		
GAPI USA inc.	U.S.A. (Ohio)	11	●			
GAPI Technische Produkte GmbH	Germany	80	●			○
GAPI Ltd	U.K.	10	●			
MIROS s.r.l.	Italy	10	●			
GAPI Sealing System	Spain	10	●			○
Total		613				

Group Companies in the world



ITALY

GAPI S.p.A. – Headquarters
GAPI S.p.A. – Logistic Center
GAPI S.p.A. – Compounds div.
GAPI S.p.A. – Rubber div.
GAPI S.p.A. – PTFE div.
Rolf S.p.A. – Oil Seals div.
Pradella & Matego S.p.A.
MIROS s.r.l.
ARTIC SEALS s.r.l.



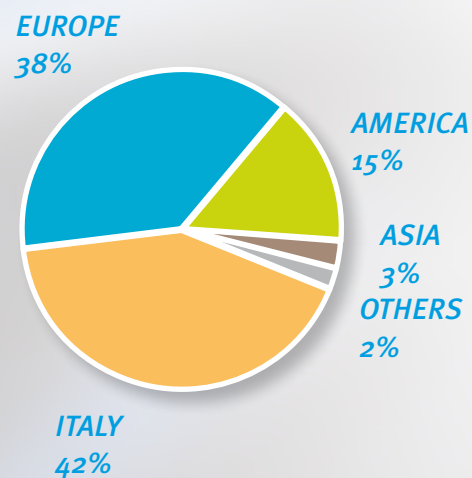
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GAPI GROUP Sales

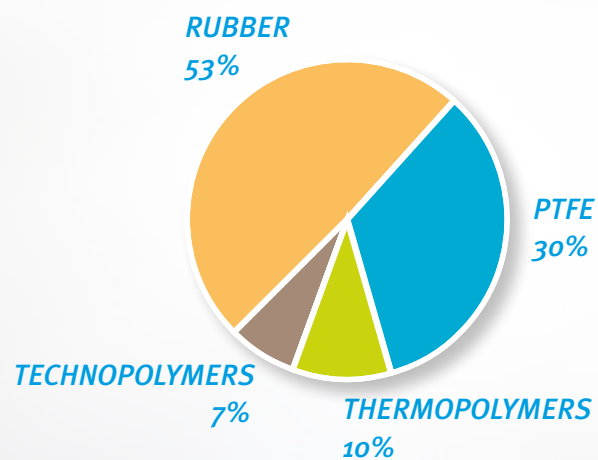
Consolidate Turnover 2015

85 Millions Euro

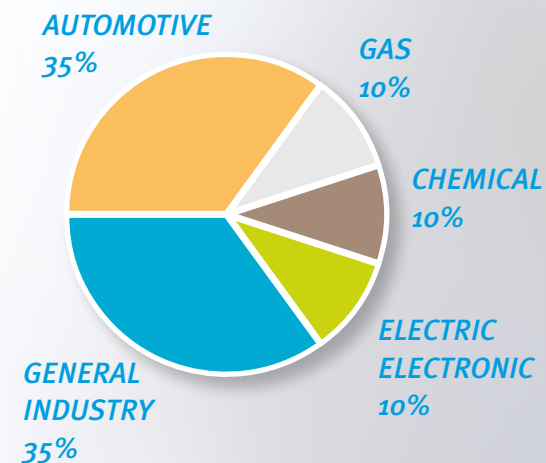
by geographic area



by materials



by sectors



Compounds Division



GAPI S.p.A. - Compounds div. - Italy

All rubber compounds for GAPI GROUP are developed and manufactured in our dedicated unit for compounding. Three complete production lines are operating:

- ▶ *line for standard black compounds, designed and equipped for major production runs,*
- ▶ *line dedicated to fluoroelastomers (FKM),*
- ▶ *line for smaller runs.*

*Special and standard Compounds:
NBR, EPDM, HNBR, FVMQ, FKM, VMQ,
ACM, CR, SBR, NR.*

GAPI S.p.A. - Compounds Div. - Italy



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Rubber Division: O-Rings



*GAPI S.p.A.
Rubber div. - Italy*

GAPI can manufacture every type of O-Rings:

- ▶ *standards: are available in 3.500 sizes in NBR, HNBR, FKM, FFKM, MVQ and EPDM compounds. GAPI produces O-Rings up to 1450 mm outside diameter. They all comply with the most current Technical Specifications,*
- ▶ *specials: materials responding to specific requirements or requiring tighter tolerances.*

Our automatic control machines can guarantee « zero defect » level upon request.



profile

Rubber Division: Specialised Compounds - FFKM



GAPI S.p.A.
Rubber div. - Italy

- ▶ The more aggressive and unforgiving the industrial environment, the more critical it becomes to optimise seal design and material selection. **Efficiency** and **Reliability** objectives can now be achieved with **Gapi's** new range of perfluoroelastomers.
- ▶ Offering **exceptional chemical** and **thermal resistance**, they combine **sealing force, resistance** and **recovery** characteristics of an elastomer with chemical resistance comparable to **PTFE**
- ▶ The combination of **advanced polymer technology** and **process innovation** enables you to make **Gapi** the **natural choice** for the source of your **FFKM requirements**



OIL, GAS AND PETROCHEMICAL



AEROSPACE AND DEFENCE



CHEMICAL PROCESSING



profile



Rubber Division: Technical Components



**pradella
& matego**
*PRADELLA & MATEGO S.p.A.
Italia*

Our manufacturing units can answer to the market requests, in terms of material characteristics, shape or surface finishing and defects level (zero defect).

- ▶ *moulded parts (with or without metal inserts) on Customer drawing,*
 - ▶ *diaphragms (with or without woven inserts),*
- are produced in medium and large scale by injection moulding, transfer moulding, compression, etc.*

Pradella & Matego mission is bring to the market high-performance gasket in coodesign with Customer needs, both for the Braking System market and Automotive sector.



profile

Rubber Division: Oil Seals



ROLF S.p.A. - Oil Seals Div. - Italy

We can manufacture a huge range of rotary shaft seals:

- ▶ *standards: more than 1.000 dimensions are available in stock in NBR, and FKM, according to DIN 3760 standard,*
- ▶ *Rolf is specialized to develop special Oilseals for specific markets:*
 - *Agricultural - Axles for construction equipment and tractors*
 - *Power Steering and shock absorbers*
 - *White Industry*
 - *Motorcycles*
 - *Gear boxes and power trasmission*



Rolf products are developed according to innovative design, from common Oilseals for general use to complex solutions such as Combi and Kasette with heavy-duty features of "long life".



profile

PTFE Division: Basic Shapes & Thin Walled Tubing



GAPI S.p.A. - PTFE division

Our plants and equipments can produce semi-finished products with different technologies.

We manufacture basic shapes in virgin PTFE as well as PTFE filled with glass fibre, carbon, bronze or other fillers on demand.

Thin walled tubes are produced by paste extrusion in different dimensions and colours. They are mostly used for dielectric insulations, anticorrosion protection and for fluid transfer.



GAPI S.p.A. - PTFE Div. - Italy



GAPI GROUP has the licence for the PTFE TFM™ Dyneon™ mark.

On request we can deliver semifinished products certificated TFM™ Dyneon™.



profile

PTFE Division: Machined Parts



GAPI S.p.A. - PTFE division

We have an important manufacturing program of PTFE finished parts machined by CNC machine and automatic turning machines in Virgin or Filled PTFE.

We are able to produce :

- Valve seat rings
- Piston rings
- Snap rings
- Back-up rings
- O-Rings
- Customized parts
- Hydraulic & Pneumatic Seals

Gapi has probably the largest production capability in Europe of PTFE machined parts with 6 Millions pieces produced per week with 100 raw extrudors and 160 turning machines.



GAPI GROUP has the licence for the PTFE TFM™ Dyneon™ mark.

On request we can deliver finished products certificated TFM™ Dyneon™.



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Technopolymers Division: TORLON ®



*GAPI GmbH
Technopolymers - Germany*

Our equipments and toolings are dedicated to manufacture any kind of finished parts, per Customer's drawings, in different polymeric materials.

GAPI GROUP activity covers a large number of automotive industry requirements:

- ▶ *gaskets for automatic transmissions,*
- ▶ *components for cinematic distribution chain,*
- ▶ *CVT parts,*
- ▶ *power steering components,*
- ▶ *agricoltural application.*

TORLON ® is a SOLVAY trademark



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Polyurethane Division: Technical Parts



MACMA Poliuretano - Italia

*We produce every type of **CAST** seals in Polyurethane:*

- ▶ *standards: we have a complete manufacturing program for the hydraulic and pneumatic industry,*
- ▶ *specials: our different manufacturing units can answer to every market request, such as material quality, specific shape requirements, surface finish and defect level (zero defect).*

Technical options are evaluated following market requirements and technical specifications.



profile

Hydraulic Division: Oleodinamic & Pneumatic Sealing Systems



ARTIC SEALS

ARTIC SEALS s.r.l. - Italia

We manufacture a complete range of polyurethane and thermoplastic sealing systems either for hydraulic and pneumatic applications, starting from the project of the profile and tooling equipment to the production of the seal.

Our Technical Staff is skilled to design tailor-made seals and project works, developing together with the client the most suitable and innovative solutions.

To complete the range, Gapi has a manufacturing program in NBR and FKM for symmetrical and non-symmetrical, single lip or double lips seals, with or without metal support.

Different types are manufactured on demand.

They can be used for static applications and alternating or rotary motions.



profile

Research & Development

Our laboratories are dedicated to research and to control materials and are equipped with the most modern instruments and test equipments for Elastomers, Polyurethane and PTFE.

The most recent investments have been addressed to control instruments such as:

- ▶ *low temp. Testing for TR₁₀, Brittle point and T_g,*
- ▶ *ozone resistance,*
- ▶ *dielectric resistance,*
- ▶ *thermo gravimetric testing,*
- ▶ *processability Testing.*
- ▶ *DSC or Differential Scanning Calorimeter,*
- ▶ *Granulometry Laser,*
- ▶ *FTIR Infrared Test.*

We are therefore able to carry out all standard test required by the most common standards and specifications.

The laboratory is also equipped with a complete line for the development of new elastomeric compounds.



profile

Labs & Controls

▶ *Automated final control
Zero Defects*

▶ *Dynamometer control*

▶ *Computerized dimensions
control (OGP™)*

▶ *Durometer control*

▶ *Reometric control*

All moulds, compounds and Finished Items are strictly controlled before and throughout the production process to ensure the conformity to all specifications.



GAPI GROUP - Laboratories and Technical Dept.



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Main Products



PTFE TPS



Vulkollan®



Rubber O-Rings



Bonded Seals



Guide Rings



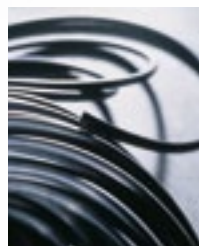
Rubber Parts



Torlon®



Oil Seals



Rubber Cords



Hydraulic & Pneumatic



PTFE Parts



PTFE Stock Shapes



PTFE Back-up



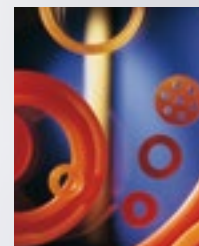
FEP O-Rings



PTFE O-Rings



Rubber U-Rings



Polyurethane

TORLON ® is a SOLVAY trademark

VULKOLLAN ® is a BAYER trademark



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Main Customers



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