



Forget trivial O-rings

**We craft  
tailor-made rubber  
sealing solutions**



Many deliver standard products,  
limited flexibility, slow and  
rigid processes.  
We don't.

## Past the blueprint. True tailor-made engineering.

Our tailor-made solutions are built around the real  
production problems you need to solve.



## What you get from us

### Understand quickly if the new solution works

With constant dialogue and fast checks, you won't waste time or budget.

### Flexibility in timing and volumes

Our philosophy allows us to adapt to your production pace, your re-  
quired volumes and any inevitable changes of plan.

### A long-term and reliable relationship

You'll have a partner who stays by your side over the years, without  
the risk of being left without support just when you need it.

### You always know who to speak to

Your Key Account will be your access to our full team capabilities.

This is why we created  
our method





“  
**Reduce risks,  
accelerate solutions.**”  
Six steps to reduce risks  
and speed up solutions.

## 1. Guaranteed development timelines

We guarantee the development times agreed during the proposal stage. Deadlines are not optional: they are commitments.

## 2. Design & industrialisation support

- We work alongside you in the **design/redesign of the component**, thanks to our engineering and co-design expertise.
- We assist you during the **initial or revised assembly** process.
- We **periodically suggest efficiency improvements**, ensuring the same technical performance while reducing costs and waste.

## 3. FastTrack prototyping

- **Prototype in 15 days\***
- **Free of charge prototyping\***  
So you can immediately verify whether the solution works, without waiting months.

## 4. Flexible delivery times

We meet your needs to **speed up or slow down** production thanks to **flexible capacity** and dedicated storage areas

## 5. Volume adaptive capacity

We adjust supply volumes according to your requirements, keeping the supply chain running smoothly. We can also manage stock on your behalf.

## 6. Reliable communication continuity

You have a **dedicated technical key account**, throughout the project. We ensure continuity even if your staff changes, thanks to our internal procedures



\*Prior engineering feasibility

# *We can do it thanks to...*

## **In-house production process**

By internalising all the critical stages, especially the finishing phase, we keep every step under control.

## **Ecosystem of affiliated companies**

We are at the centre of an ecosystem of partner companies, all aligned with our philosophy and way of working.

## **Extensive and consolidated experience**

High length of service within the company (and the industry) and widespread, consolidated know-how form the basis of our everyday reliability.

## **History rooted in the gasket district**

Since 1987, we have operated in the heart of the world's rubber gasket district, where expertise and specialisation have developed in a truly unique way.



# *Our reliability in numbers*

**5** certifications      **95,48%** scorecard index      **10** homologations

## **A healthy and eco-sustainable company.**

- **6% of our turnover reinvested each year in innovation**, equipment and new process development.
- **Fully self-financed** growth, ensuring independence and solidity.
- **An eco-sustainable company**, equipped with a photovoltaic plant and committed to reducing environmental impact.



## Supply chain recovery



- Sector:** Automotive
- Target:** Quickly restore production of two critical components after a key supplier failure, ensuring continuous, high-volume supply
- Challenge:** Supplier insolvent, moulds held by third parties in unsuitable condition; urgent production (10–20k parts/batch) needed before summer shutdown, with materials and equipment to be recovered and adapted
- Approach:** Recover and requalify moulds, modify them for Italtstock presses at our expense, urgently procure compound, and launch extraordinary production with cost-based pricing.

### STRATEGY

Customer suddenly lost their supplier to bankruptcy and urgently needed two high-volume automotive components.

Recovered moulds were available but incompatible with Italtstock presses. Italtstock quickly assessed, cleaned, and modified the moulds, ensuring compliance with technical and regulatory requirements.

Despite the pre-summer shutdown timing, production was completed at high volumes with extremely short lead times.

*This case highlights Italtstock's ability to manage industrial emergencies, recover equipment, adapt processes, and ensure uninterrupted production.*

## Urgent production delivered in record time



- Sector:** Automotive
- Target:** Ensure urgent supply of PPAP-validated Y-Rings for automotive applications within extremely tight timelines
- Challenge:** Urgent request for 800 units immediately after summer shutdown, requiring rapid assessment of compound availability, production capacity, and DAP Czech Republic logistics.
- Approach:** Confirm compound availability, prioritize production, and initiate early order management to meet exceptionally short lead times.

### STRATEGY

When a customer urgently requested 800 Y-Rings for their Czech Republic plant, Italtstock quickly assessed materials, machines, production, and logistics.

With the compound in stock, moulding began immediately—before a formal purchase order—to minimize delays.

Production finished on time, slightly exceeding the requested quantity, and the components were ready for international shipment.

*This case highlights Italtstock's ability to deliver urgent automotive production needs, coordinating technical, manufacturing, and logistics processes with speed and reliability.*

## High performance, our expertise



- Sector:** Automotive
- Target:** Support to developing a Y-Ring seal for a highly critical application, ensuring functional performance, industrial feasibility and compliance with project timelines.
- Challenge:** High complexity: assembly loads,  $-40\text{ }^{\circ}\text{C}$  performance, surface treatment, and post-coating cleanliness.
- Approach:** Professional support on geometry, parting lines and surface treatments, as well as friction tests, cleanliness checks and feasibility-oriented design alternatives

### STRATEGY

Italstock supported the development of a Y-Ring seal under strict requirements and tight timelines, balancing assembly ease, low-temperature performance, low-friction coatings, and high cleanliness standards.

By analyzing the interplay of geometry, coatings, and cleanliness, and testing real samples, Italstock helped define industrializable, realistic specifications—minimizing late changes, costs, and delays.

*This project highlights Italstock's expertise as a trusted technical partner in critical decision-making phases.*

## Beyond off-the-shelf: a tailor-made solution



- Sector:** HVAC
- Target:** Identify and validate a new compound that passes a critical condensate test, while ensuring process capacity, property stability, and suitability for serial production.
- Challenge:** No commercially available material met all requirements simultaneously: test performance, industrial processability, long-term stability, and economic viability.
- Approach:** Conducted in-depth research with compound suppliers, tested multiple formulations, performed comparative validations, and start-up of batch supply.

### STRATEGY

The project addressed a critical issue with seals failing a severe condensate test. Italstock was tasked with identifying a compound that met all technical criteria and avoided previous failures.

Research involved structured collaboration with suppliers, and analysis was fully funded by Italstock. Five compounds were tested based on functional specifications and prior experience. Rapid sample delivery enabled immediate preliminary checks and condensate testing.

After comparative evaluation, a compound was identified that passed the test without production issues. Following validation, production was restored with a technically reliable and industrially sustainable solution.

*This case study highlights Italstock's role as a proactive technical partner, their strong relation with local compounders, coordinating material research, application testing, customer dialogue, and supplier collaboration to convert a critical issue into a long-term solution.*

**Do you have a project that needs a truly  
dedicated solution?**

**Let's discuss it.**



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