Sulzer Mixpac is your global partner offering reliable and professional solutions for mixing and dispensing of adhesives and sealants.
Solutions
Geared to your needs

Sulzer Mixpac products are frequently used for bonding and sealing processes in the automotive industry. We are the leading global supplier of system solutions for bonding and sealing using one-component and two-component materials, and we are committed to meeting the constantly growing demands of the industry.

**Your requirements**
The automotive industry has exceptionally high quality requirements. Compliance with prescribed standards is a must. We use our extensive know-how and manufacturing expertise to provide cutting-edge solutions and promise our customers innovation in application.

**Our solutions**
Our solutions are used during the manufacture, repair and tuning of vehicles. Cars, buses, trucks, sports cars and racecars, but also special vehicles such as tractors, diggers and combine harvesters. Sulzer Mixpac guarantees the highest level of process safety and consistent mixing results using first-class system components and user-friendly application solutions for bonding and sealing.
Manufacture
Integrated in high-tech processes

We recognize the needs of the leading automotive manufacturers and their largely automated manufacturing processes. We integrate our solutions as required and focus on innovation to optimize our high-quality workmanship, simplifying processes and making them more user friendly.

Comprehensive manufacturing range
Our solutions are usually an integral part of a highly automated production process. Our mixing tips are integrated into machines and used by industrial robots to apply adhesives. In addition, Sulzer Mixpac supplies professional handheld systems composed of mixing tips, cartridges and dispensers for standby mode and manual production methods. Our customers include most of the well-known manufacturers and specialized suppliers to the automotive industry.

Wide range of applications
Leading vehicle manufacturers work with Sulzer Mixpac application systems. Adhesive joints are increasingly replacing welded and riveted joints in vehicle bodies. Our technologies are often used for this process. We are also involved in the manufacture of luxury cars and in motor racing. Other fields of application include vehicle glazing, the assembly of driver cabins and high roofs in buses or the bonding of interior components. Another important field of application is the bonding of vehicle parts made of composites.
After Sales and Repair
Focus on reliable service

New application solutions for bonding and sealing in the After Sales and Repair market offer great advantages for customers. Manual application systems are mainly used. Cost-efficient and high-quality repair as a customer service is a top priority at Sulzer Mixpac.

Firmly established
Sulzer Mixpac has established itself in the After Sales and Repair Market. We are part of the solution when it comes to bonding panes or repairing plastic, steel and composite parts. Our specialist mixing and dispensing systems are used in professional car repair and maintenance shops and in the tuning industry where additional body parts and fashionable equipment are bonded using MIXPAC™ system solutions.

Ongoing trends
Technical trends cannot be reversed. Adhesives are increasingly replacing bonding techniques such as screwing, riveting and welding because of their superior bonding characteristics. In addition to the quality and safety of new adhesive and sealant formulas, ease of processing and reproducibility are decisive factors. Our individual system solutions provide support when designing, simplifying and streamlining safer quality-relevant work processes.

Tailor-made solutions
We apply our development expertise and targeted innovation in clearly defined areas to ensure continuous progress. As partners, we communicate with leading global adhesive and sealant manufacturers with the objective of meeting the requirements of our system users.
Bonding
A versatile process

Adhesives can be used to bond almost anything. In the automotive industry, this includes metal, glass and various composites. Bonding has gained a lot of ground. Two-component adhesives, in particular, increase productivity. We supply qualified and perfectly co-ordinated system solutions you can rely on.

One-component adhesives
Single component adhesives are often cured by the moisture in ambient air. A typical example is the bonding of windscreens. Heat-curing structural adhesives are dispensed, the parts are joined and cured using heat. Sulzer Mixpac supplies suitable dispensers for both processes.

Two-component adhesives
They present tougher challenges for the user. Our customers are suppliers as well as manufacturers of automotive two-component materials. The great advantage of the two-component process is that it cures faster at room temperature. Both components must be metered in the correct mixing ratio and homogeneously mixed. We supply high-performance mixing tips for adhesive processing equipment and complete system solutions for manual dispensing. The range of application is practically unlimited. Two-component systems are also used when carrying out repairs, e.g. when overhauling bumpers or securing tuning accessories.

MIXPAC™ system solutions K, B, and F for bonding applications
- **Mixing tips**: based on the Helix and Quadro mixing technology for cartridge systems and machines
- **Cartridges**: side-by-side design, different mixing ratios and volumes
- **Dispensers**: for one-component and two-component systems with manual, pneumatic or electric drive systems
- **Accessories**: cartridge converters, mixing tips for precise dispensing
Sealing
An application of increasing importance

New materials are coming onto the market all the time. We develop and manufacture suitable dispensing systems for a wide range of sealants. For different volumes, dispensing forces and operating modes. The high quality guarantees process safety, ergonomic handling and a long service life.

More than just sealing
Sealing is carried out in the automotive industry when neither air nor liquid must enter or escape. Every seal also has a protective and dampening effect. Sealing is an art. We help you enhance your expertise and skills, and expand the scope of application.

Sealing with new materials
Sealing applications are generally one-component applications. Typical areas of application include driver cabins and floor superstructures. The real challenge is to supply the appropriate dispensers for the different sealants. We design them for you and offer different volumes, packaging forms and dispensing forces. We focus on simple and fatigue-free dispensing, high-quality devices and a long service life.

One-component dispensers
We recommend our one-component dispensers for sealing. They are available for different modes of operation and with different dispensing forces, cartridge sizes and designs (cartridge or sausage).

MIXPAC™ dispenser for sealing applications:
• For one-component cartridge systems and sausage packs
• With different dispensing forces, depending on the sealant used
• With manual, pneumatic and electric drive
• Accessories: application syringes for precise dispensing
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Mixing tip
- Helix mixing technology
- Quadro mixing technology

Cartridge
- Side-by-side design
- Different materials, volumes and mixing ratios

Dispenser
- Drives: manual, pneumatic or electric
- Different dispensing forces
**MIXPAC™ system advantages**

**Driver of innovative development**

Sulzer Mixpac is able to offer customized solutions from a single source. This includes development, production and successful implementation in practice. Developed in Switzerland, our innovative technology and quality has won over users worldwide. The added value of our systems has brand quality.

<table>
<thead>
<tr>
<th>MIXPAC™ system approach</th>
<th>The right product for every application. Every system consists of a mixing tip, cartridge and dispenser and is developed and manufactured by Sulzer Mixpac.</th>
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<tbody>
<tr>
<td>Perfect two-component mixing technology</td>
<td>Sulzer Mixpac offers the most efficient mixing tip on the market, which are based on Helix and its own Quadro mixing technology.</td>
</tr>
<tr>
<td>Cost-effective solutions</td>
<td>Resealable cartridges that can be reused several times.</td>
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<tr>
<td>Easy to use</td>
<td>The ease of use and ergonomic design facilitate fatigue-free, efficient work.</td>
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<td>Maximum safety</td>
<td>Our products provide a level of process safety that is second to none. The individual components work together smoothly, are easy to use and produce consistent mixing results.</td>
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<td>Swiss Technology</td>
<td>MIXPAC™ system solutions are developed in Switzerland and manufactured to the highest quality standards.</td>
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<tr>
<td>Used all over the world</td>
<td>The worldwide availability of all components and an international Sales structure make Sulzer Mixpac the leading global provider.</td>
</tr>
<tr>
<td>We are system partners</td>
<td>We provide needs analysis, development, production and successful implementation in practice. Experienced industry experts and technical experts work hand-in-hand with you.</td>
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Services
Everything you need to progress

Our competence in the packaging, metering, mixing and dispensing of one-component and two-component materials supported by our customer-oriented service. This includes everything that helps optimize systems, products and processes.

Research
Sulzer Mixpac performs valuable groundwork in the area of mixing and application technology. We observe the market. We create trends, research new solutions and optimize existing systems. At the same time, we always keep an eye on the needs of the automotive industry.

Hand-in-hand development strategy
We develop our application solutions in close cooperation with the specialist material producers and support them from the initial idea to marketing and beyond. We partner with a large number of universities and technical colleges as well as renowned scientific research institutions.

Cutting-edge laboratory technology
We are working on the future in our laboratories, carrying out comprehensive testing of practical solutions. How should packaging, mixing, dispensing and the system be used to ensure that our customers achieve excellent results? We test new processes and applications on their behalf, and thus ensure optimum results.

Application tests
- Stability/durability
- Quality of cartridges and their storability
- Dispensing – dispensing forces, flow rate, mixing quality
- Material test – mixing process, mixing quality, viscosity

Physical tests
- Compatibility – how do two-component materials react to each other, optimum packaging (cartridges) and storage
- Computer tomography (CT) and X-ray analysis
- Flow simulation (CFD)
We are leading developers, and reliable manufacturers and suppliers, making us the world's leading solution provider.
Sulzer Chemtech AG is part of the Sulzer Group and has its headquarters in Winterthur, Switzerland. The company has a global workforce of 4,000 employees and is active in the field of process engineering. Sulzer Chemtech is represented in the most important industrialized countries, setting standards for highly efficient and cost-effective solutions in mass transfer and static mixing technology.

The services provided include:
- Process engineering equipment such as trays, structured packing, random packing, liquid and gas distributors, gas-liquid separators and fittings for fractionating columns
- Services in the area of separation and reaction engineering such as optimizing energy consumption, consultation on plant optimization, studies, authority engineering, basic engineering
- Processes for separating and purifying organic chemicals using fractional crystallization and membrane technology
- Innovative polymerization technology for the manufacture of PLA and EPS
- Installation and maintenance services for fractionating columns
- Mixing and reaction engineering with static mixers
- Mixer and cartridge technology

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