

Systems for Adhesives

MIXPAC™ - COX™ - MK™

Innovation in Application



welcome to the world of

Adhesive Applications



its all about **Adhesives**

Adhesives appear in everyones everyday life - they bond our cars, they waterseal our bathtubes, they protect our roofs. They are simply holding the world together.

Who we are

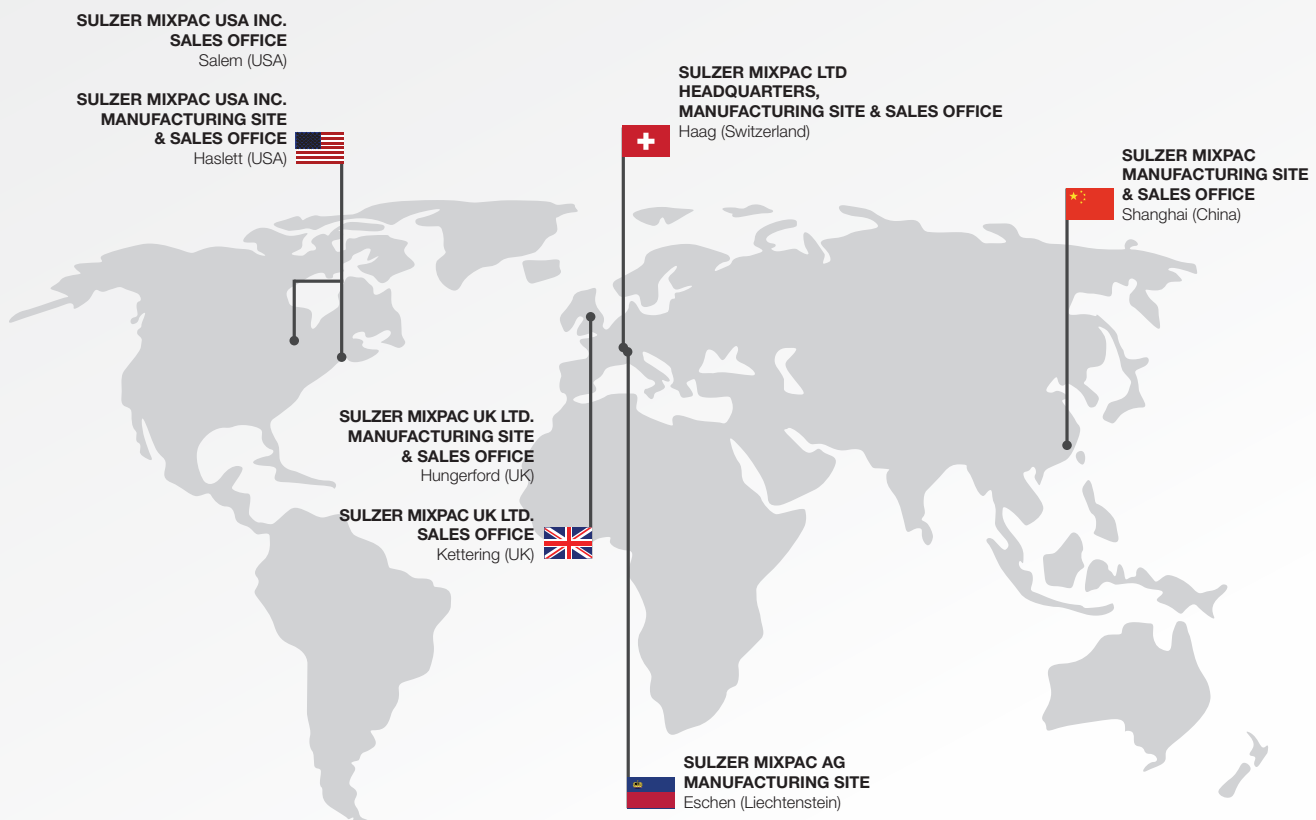
Headquartered in Eastern Switzerland, Sulzer Mixpac Ltd is a renowned producer of all-in-one application systems for the adhesives industry as well as an expert in offering a dedicated range of dispensers distributed under the brands COX™ and MK™. As a part of the Applicator Systems (APS) division of the Sulzer Group Winterthur (CH), we do have a strong background and offer expertise in engineering and manufacturing cartridges, mixers and dispensers for almost a century.

Our approach: first of all committed people, operational excellence and a consistent stimulating partnership with our customers have led to guarantee first class quality throughout the value chain, providing cutting edge technologies, thus servicing industries worldwide with the focus to ease everyday life. This is what we hold on to!

Why people trust in us

We provide fully integrated application systems for packaging, mixing, dosing and dispensing, which gives a clear advantage to the customer. Our innovation driven, long year experience has paved the way for value adding solutions and proprietary technologies, granting access -for us and our partners- to market opportunities and sustainable leadership. Moreover, industries worldwide rely on Swiss quality standards and services based on our historic location and benefit from highly passionate professionals who really 'stick' to adhesives. Applying lean principles throughout the process we strive to exceed customers' expectations, resulting in smart applications and easy-to-use products with high performance, long shelf life and sustainability. Generated value we are proud of!

Where you can find us



wheel of **Competency**

Special requirements demand special solutions. We work hand in hand with our customers to use synergies, develop new application concepts and generate sustainability. Together we are always one step ahead to service the industries and the customers in the best way.

Customizing

Joint efforts and capabilities allow to access the market through sales and marketing having the right product in place and in time available at competitive costs. With a focus on enhanced shelf life, ease and precise use and above all an optimized quality of the mixed applied material we are eager to meet the market expectations.

Our strong reputation and track record in offering technical support, laboratory testing, financial, after sales and communication services in the sense of a 360° customer approach will guarantee your success.

Market Access

Market Leader

In accordance to our Swiss quality standards we employ state-of-the-art lean Six Sigma and TQM production processes delivering reliable, high quality outputs with a focus on scale and cost efficiency. Certified standard ISO 9001 for quality management, ISO 14001 environmental management, OHSAS 18001 for health and safety as well as ISO 14644 and 13485/GMP for clean room and medical devices norms.

Total Quality Manufacturing



Market Focus

To be at the pulse of the market is crucial in today's fast moving business environment. Identifying the needs of the industry and creating trends involving our suppliers and customers from the very beginning is the basis for sustainable innovations. Engineered and brought to life through our central R&D and Product Management departments based in Switzerland.

Our globally operating specialized sales force is a key driver and catalyst for upcoming trends and life-cycle management.

So you will find us at every industry related conference and exhibition to share our latest innovations and your ideas.

Innovations and Intellectual Property

Consequently Sulzer Mixpac, COX and MK transform learned market knowledge into proprietary technologies resulting in patented and protected products. Currently Sulzer Mixpac Ltd runs around 1200 patents in the field of adhesive applications.

Our range is constantly expanded, adapted and perfected - always with the clear focus in mind to foster the success of the customer and facilitate the work of the end user.

Market Partnership

Quality Engineering

scope of Applications

We are proud to be part of the fascinating sector of adhesive industry and to do business with a variety of exciting and visionary partners, setting together the trends for the future.

Industry

In the field of industry applications we are providing solutions for the automotive, aeronautical, electronics, naval and renewable energy industries. These are confronted with delicate issues on process-reliable bonding and sealing composite materials as well as with high quality and cost-efficiency requirements. Main applications are:



Repair



Bonding



Sealing



Shimming

Construction

The broad field of construction is split into interior applications, where it is mainly used for processing solid surface material like mineral composites. And exterior applications where chemical anchoring is replacing metal anchors, 2-component crack repair speeds up work and versatile bondings on roofs are permanently flexible, waterproof and temperature-stable.



Bonding



Sealing



Roofing



Crack Repair



Chemical Anchoring



Solid Surface



Water Proofing

Coating

The requests for solutions in cost-effective coating applications are constantly increasing. Today they are mainly employed in the pipeline business, construction and surface processing. Mixcoat™ technology combined with 2-component resealable cartridges and spray mixers works quickly, is easy to use and guarantees precise mixing ratios for high-quality spray coatings.



Roofing



Protectiv Coating



Weld Joint Coating

Our Brands under the Sulzer Umbrella

Together with the brands COX™ and MK™ Sulzer is uniting the best expertise in 1- and 2-component adhesive applications under one umbrella. Whereas Mixpac™ is the leading system provider in the area of mixing, dosing and applying, COX™ is providing a wide range of professional, practical dispensers, while MK™ is the specialist for customized high quality dispensing solutions.

Offering a range of excellent standard products, as well as a constant product development and surveillance of the market, Sulzer Mixpac is able to meet any of your various requirements. In close co-operation with manufacturers of sealants/adhesives and professional end users, we meet even very specific and stringent requirements. Adaptation and flexibility are key words for our product development. As a manufacturer, Sulzer Mixpac offers high reliability on deliveries and arrange for correct and customized labelling of our products. With these performances we have been appointed A-supplier with Europe's leading distributors of dispensing tools.

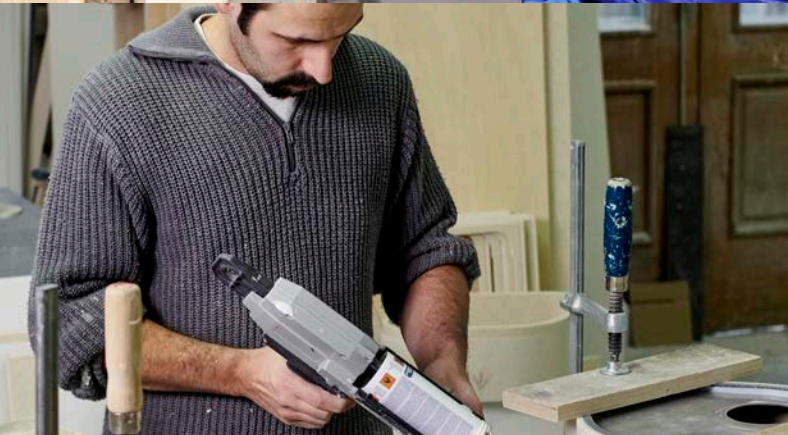
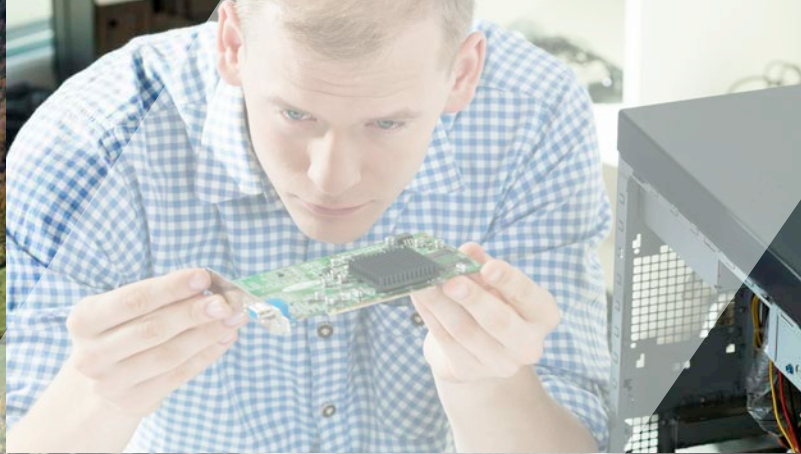
The renowned MK dispensers will be available through Sulzer Mixpac Ltd. and its affiliates while Sulzer Mixpac Ltd. has entrusted Sulzer Mixpac (UK) Ltd. with the manufacture of the dispensers



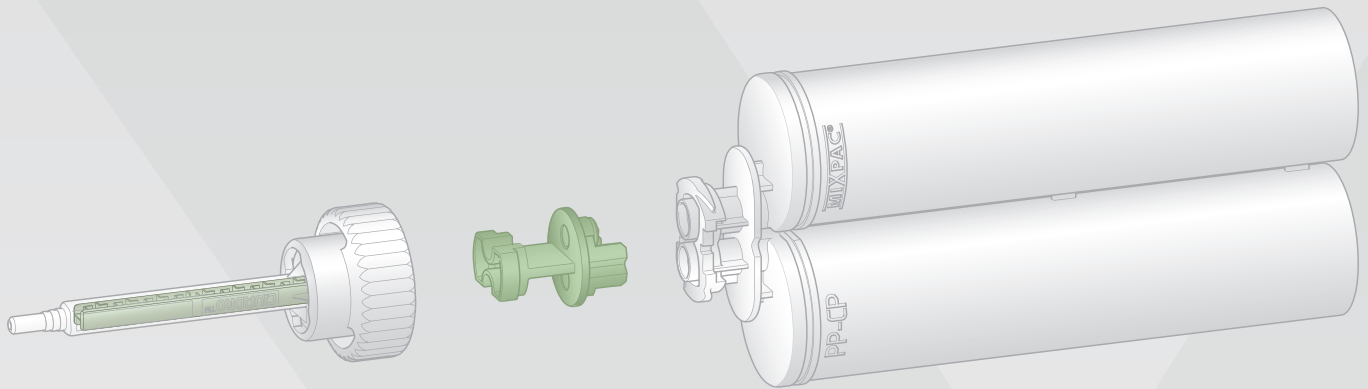
System Solutions



Dispensing Solutions



at a glance - **Adhesive Application**



Mixer

Selecting the right mixer for the cartridge and depending on material attributes like viscosity the customer may choose between different types available in various diameters and lengths, completed by further accessories for special needs.

- Helix Mixer
- Quadro Mixer
- T-Mixer
- Machine Mixer

Cartridge

In addition to the volume indicated below the various cartridge systems differ in:

- ratio (1:1 up to 10:1)
- package shape (side by side / coaxial)
- outlets (divided / separated)
- material used (PP, PE, PA, PBT)
- pistons technology
- front and back end filling variations.

The choice depends on the specific application requirements, the dispenser used and the filling process. Essentially its the package of the adhesive material, therefore a prolonged shelf life is determinant.

Industry

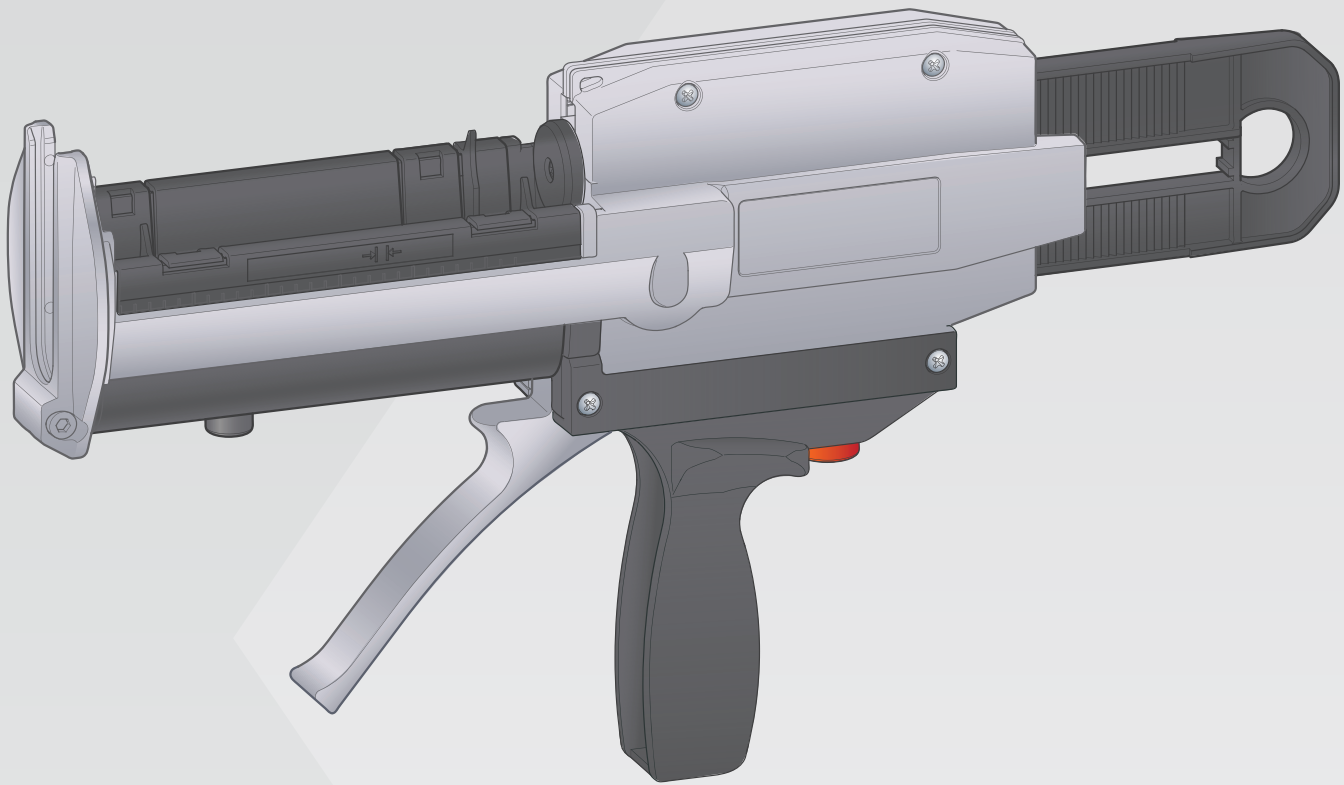
- A-System 50-75 mL
- B-System 25-75 mL
- C-System 200-400 mL
- F-System 200-400 mL
- K-System 2.5-10 mL
- Blueline400 mL

Construction

- J-System 350-1500 mL
- Q-System 150-380 mL
- Peeler 160-280 mL

Coating

- MixCoatTM 940-1500 mL



Dispenser

Dispensers are available for the different sizes, shapes and ratios of the cartridges used. Depending on the volume and viscosity of the material applied and the continuous force you need there are three main actuation types on offer.

- Manual, ranging from 1.2 to 6.4 kN
- Battery driven, ranging from 2.5 to 5.0 kN
- Pneumatic driven, ranging from 1.6 to 6.25 kN

For detailed information on cartridges, mixers and dispensers please refer to the corresponding dedicated chapters.

Innovation in Application

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