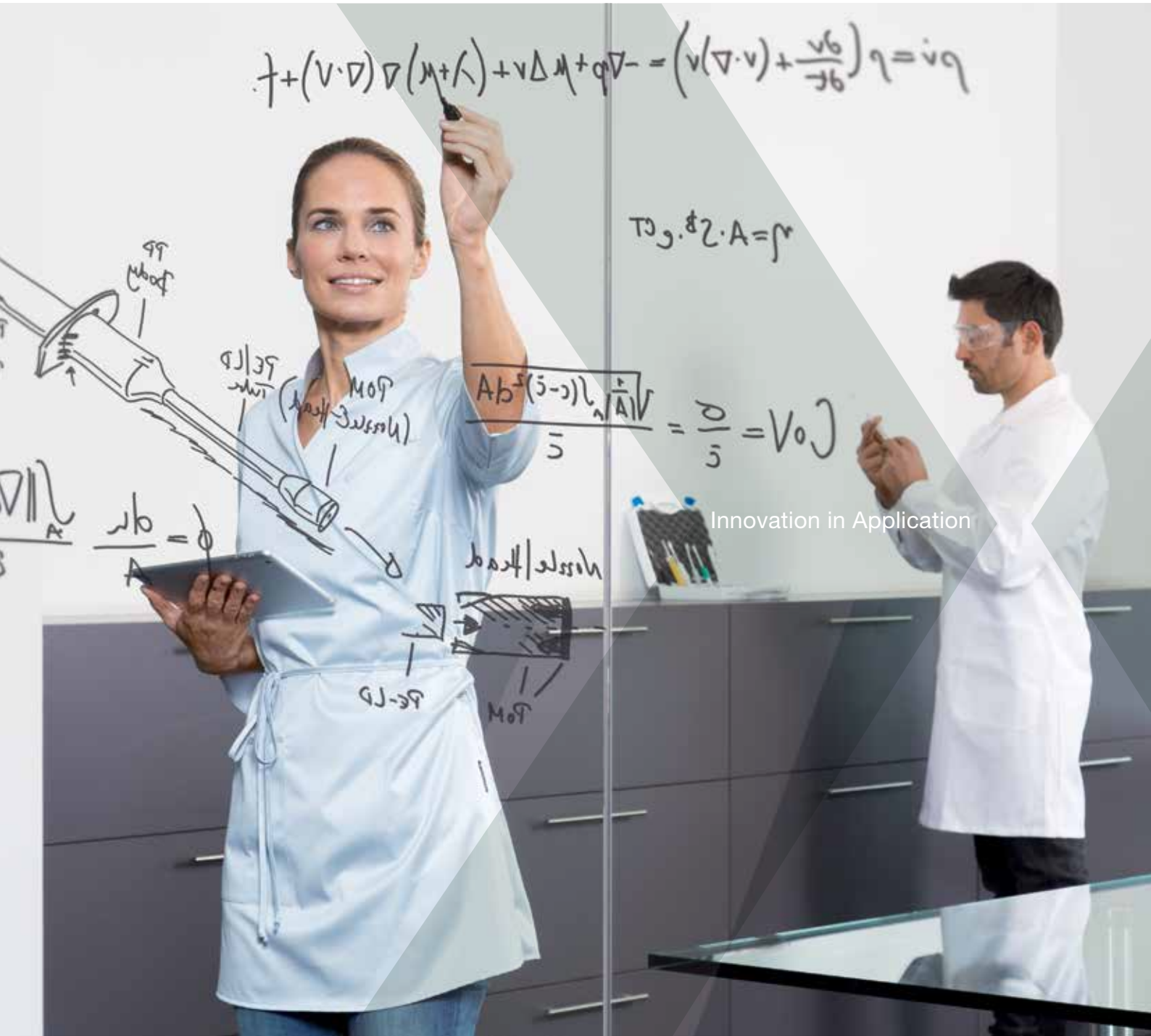


Discover Our Innovations
Excellent Healthcare Solutions



Innovation in Application

MIXPAC™ & GEKA

Innovation in Application



The Swiss company Sulzer Mixpac stands for «Innovation in Application»

- You can find our packaging, dispensing, mixing and application systems all over the world
- You will encounter them daily in dental practices and dental laboratories, in clinics, hospitals and research and development laboratories
- We deliver solutions for clinical applications across a broad spectrum of healthcare sectors
- In close cooperation with specialists in these sectors, we develop innovations, which provide proven progress in applications
- Everything we do and develop is aimed at putting a smile on the lips of our customers

GEKA with its headquarters in Germany and subsidiaries in the US and Brazil has become part of Sulzer Mixpac in mid-2016.

- GEKA is the leading provider of innovative, precise and hygienic applicator solutions for application systems used in the cosmetic, beauty and healthcare market segments.
- The core expertise of GEKA lies in fluid handling and application: putting the right quantity of bulk or liquid on a small surface in a repeatable way, using its unique MBA™ microbristle technology for healthcare applications.

Discover Our Innovations!

MIXPAC™

BarrelDose Spray

The winning application system

This modular system can be used with different applicators: spray, scraper, brush or drops. The pre-filled COC polymer container is unbreakable, glass-equivalent, sterilizable and features a multi-layer sealing foil (ALU/COC). This solution promises best barrier properties in terms of water vapor and oxygen. Single and multi-dose applications are possible. Developed for pharma, medical and PET/VET applications.



Product Performance

- Unit-dose spray
- Hygienic single-use
- Patient safety
- Intuitive use
- Superior Barrel technology / materials
- Smart activation
- Transport lock
- Modular supply chain

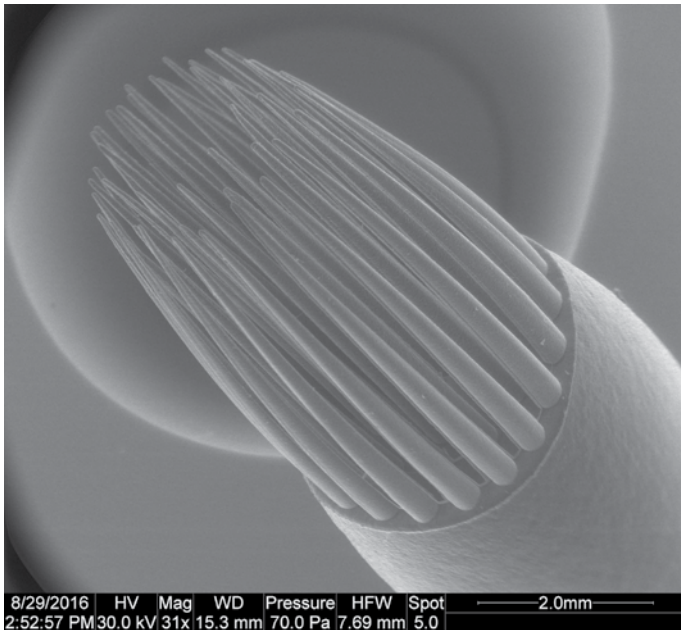
Customer Benefits

- Precisely delivered spray-dose
- Saves time and prevents cross-contamination risks
- Engineered droplet size and spray pattern
- Simple single-hand operation due to ergonomic design
- Extended shelf-life of your sensitive ingredients
- Capless design, automatic and easy opening at time of use
- Safe transport for worry-free application
- Barrel filling independent of final device assembly location

MBA™ Microbristle Applicators

The innovative response to the rising trends of precise drug application

- Combine deposition & application in one system
- Increase precision of application
- Increase dosage precision with simple system
- Avoid the drawbacks of current application systems



Various platforms available

- Dip-in
- Flow-Through
- Blow-Fill-Seal
- Single Sticks



Twist'n'brush™

A new generation of precise and tamper evident pharmaceutical packaging: the Twist'n'brush™ tube expertly combines Neopac's high protective Polyfoil® tubes with GEKA's extremely fine microbristle applicator (MBA™). It allows simple, precise and hygienic application of products. Available tube content: from 1 ml to 13 ml.

Benefits

- Soft microbristles allow for precise, hygienic and soft product application
- The Twist'n'brush™ is suitable for fluid and semi-solid contents
- The tube can be sealed temporarily thanks to the cover cap
- Tamper-evident thanks to an inner pin
- No contamination of the content
- Tube and applicator can be sterilized by gamma rays



BFS bottelpack[®] with MBA[™] Microbristle Applicator

This Blow-Fill-Seal (BFS) single dose container with GEKA Application System is a cost-efficient alternative to expensive and complicated existing dosing systems for a wide range of applications such as skin care, oral care, dentistry, nail / foot care, OTC, animal care, etc. BFS bottelpack[®] containers are aseptically formed, filled and sealed in one operation cycle in a closed environment. The GEKA MBA[™] applicator is inserted during the BFS process.



Benefits

- Single dose convenient device
- Combined precise deposition and application
- Cost-effective production
- Customized container designs for differentiated products
- Hygienic application
- Intuitive use
- Advanced aseptic BFS process according to US Pharmacopeia, FDA and GMP Guidelines

Medical Technology Components



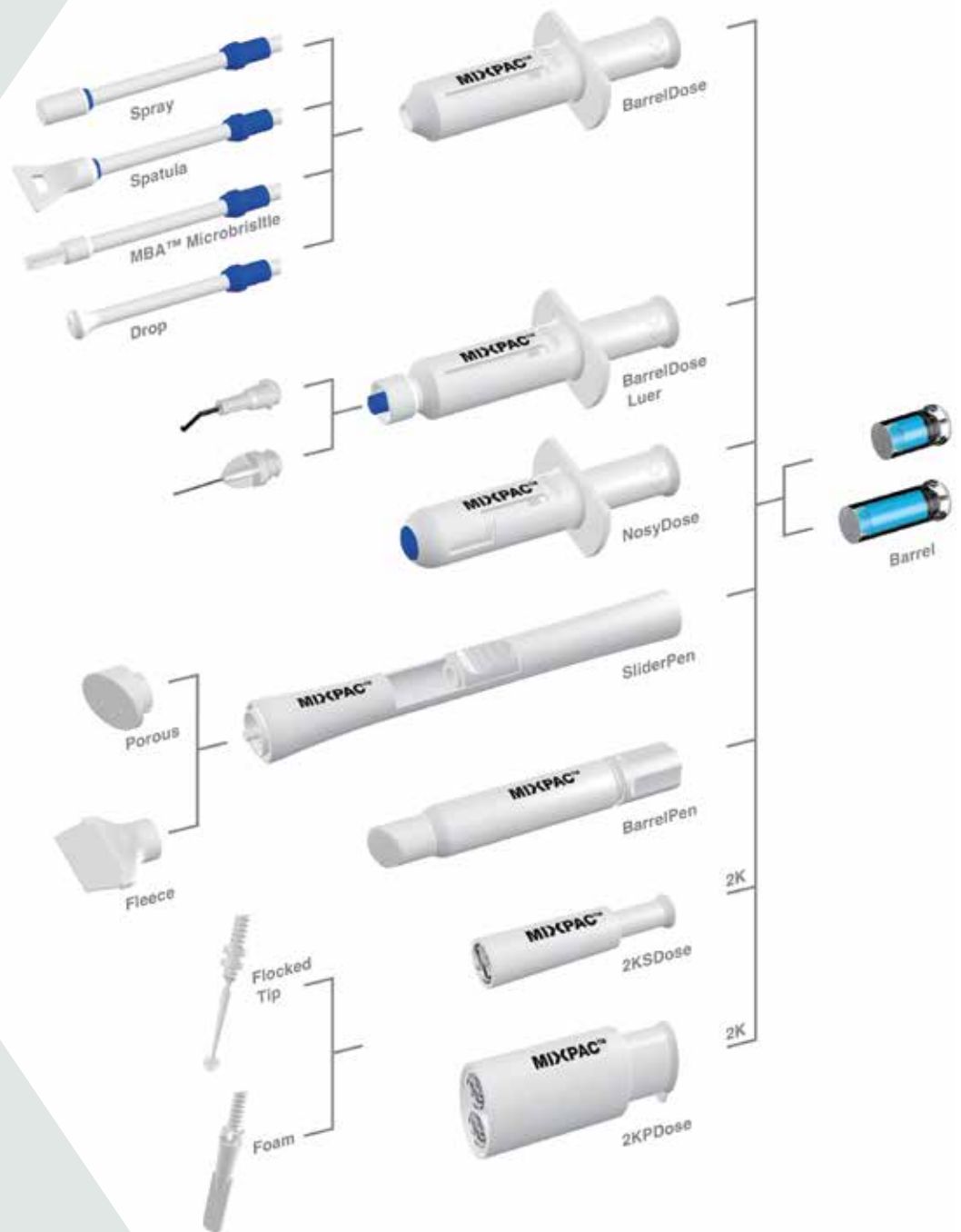
GEKA and Mixpac are reliable partners to develop, industrialize and manufacture your medical component.

Benefits

- Injection-molded and blow-molded thermoplastics and thermoplastics elastomer components
- Using various techniques – ranging from 1K and 2K technology up to over molding of metal components, or associating brushes with plastic components for example for cleaning scopes devices
- Clean rooms
- High-speed assembly and in-line packaging possibilities
- Unique surface finishes and decorations – individually adapted to each product
- Most medical and healthcare device manufacturers will benefit from GEKA and Mixpac capacity and know-how

MIXPAC™ Barrel System

Overview of possibilities



The MIXPAC™ Barrel System is setting new milestones in user-friendliness. Qualified staff can concentrate fully on patient care because the Barrel packaging and application system simplifies the administration process very significantly.



Winner of the international CPhI Pharma Award 2015 in the category "Innovation in Packaging". The MIXPAC™ Barrel System offers pharmaceutical manufacturers optimal barrier properties, exceptional flexibility and safety in application.

MIXPAC™

Innovation in Application

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