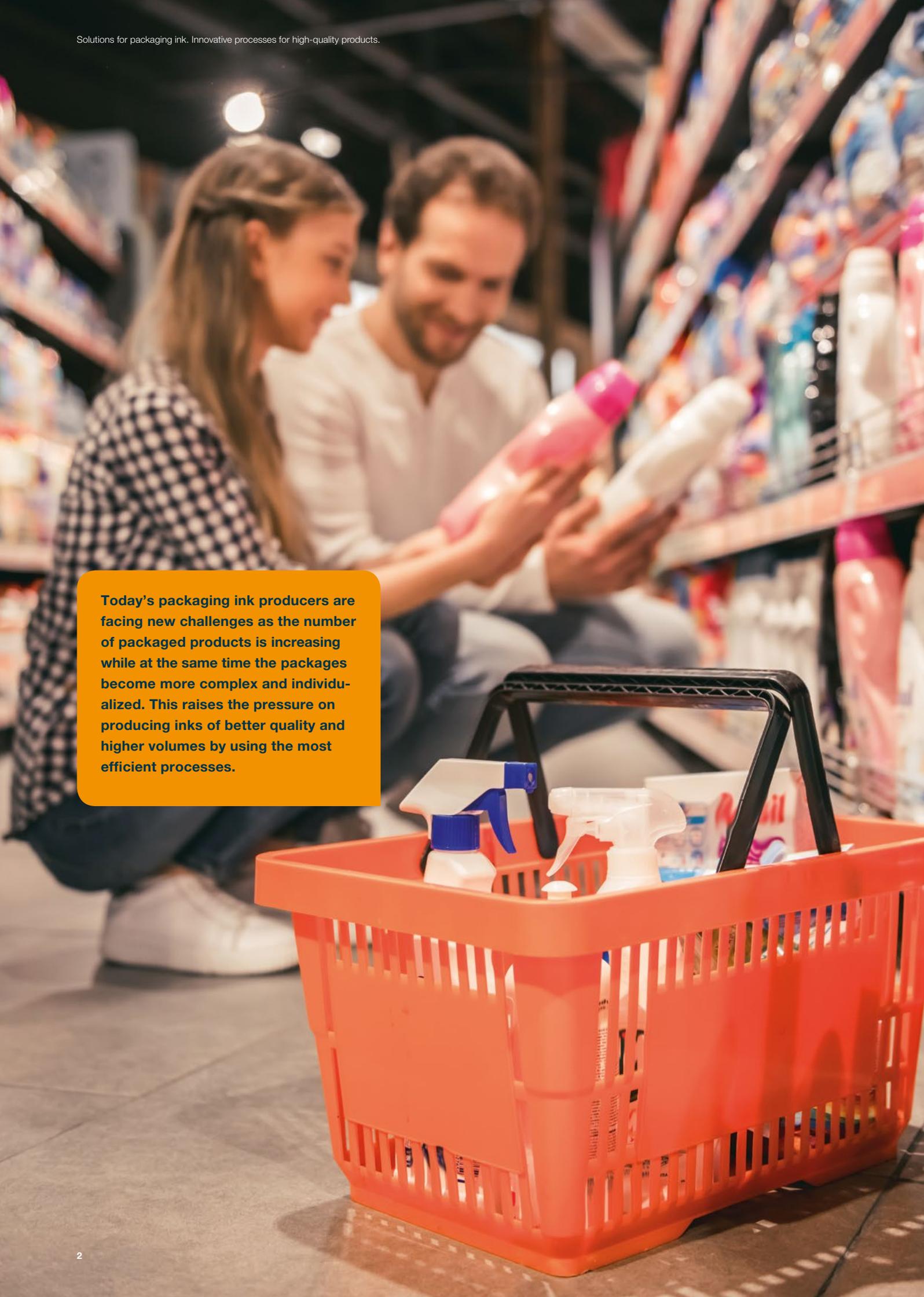




Solutions for
packaging ink.
**Innovative
processes for
high-quality
products.**



Today's packaging ink producers are facing new challenges as the number of packaged products is increasing while at the same time the packages become more complex and individualized. This raises the pressure on producing inks of better quality and higher volumes by using the most efficient processes.

Global technology partner for packaging inks. **Innovative solutions for an efficient process.**

“We at Bühler are committed to deliver the best equipment for the production of high-quality packaging inks.”

Cornel Mandler | Head of Business Area Grinding & Dispersion
Frank Tabellion (right) | Head of Sales & Marketing
Norbert Kern (left) | Head of Product Management & Process Engineering



Changing consumer preferences and supply chains: Packaging inks need to be better than ever. Bühler has a vast knowledge of the industry and supports you from lab services to training and revisions.

The way of packaging is changing

With the shifting requirements on packages, also the demands on packaging inks are continuously changing. Urbanization and the trend for smaller package sizes lead to a higher number of packaged products. Also, the decentralization of supply chains and the increasing labeling requirements contribute further to this. But not only the number of packages rises, packages are also getting more complex and colorful. Consumers ask for more personalized, sustainable and aesthetic packages. These trends result in a growing demand for packaging inks as well as high quality standards. Packaging ink producers look for ways to produce high volumes of ink with great quality at low cost.

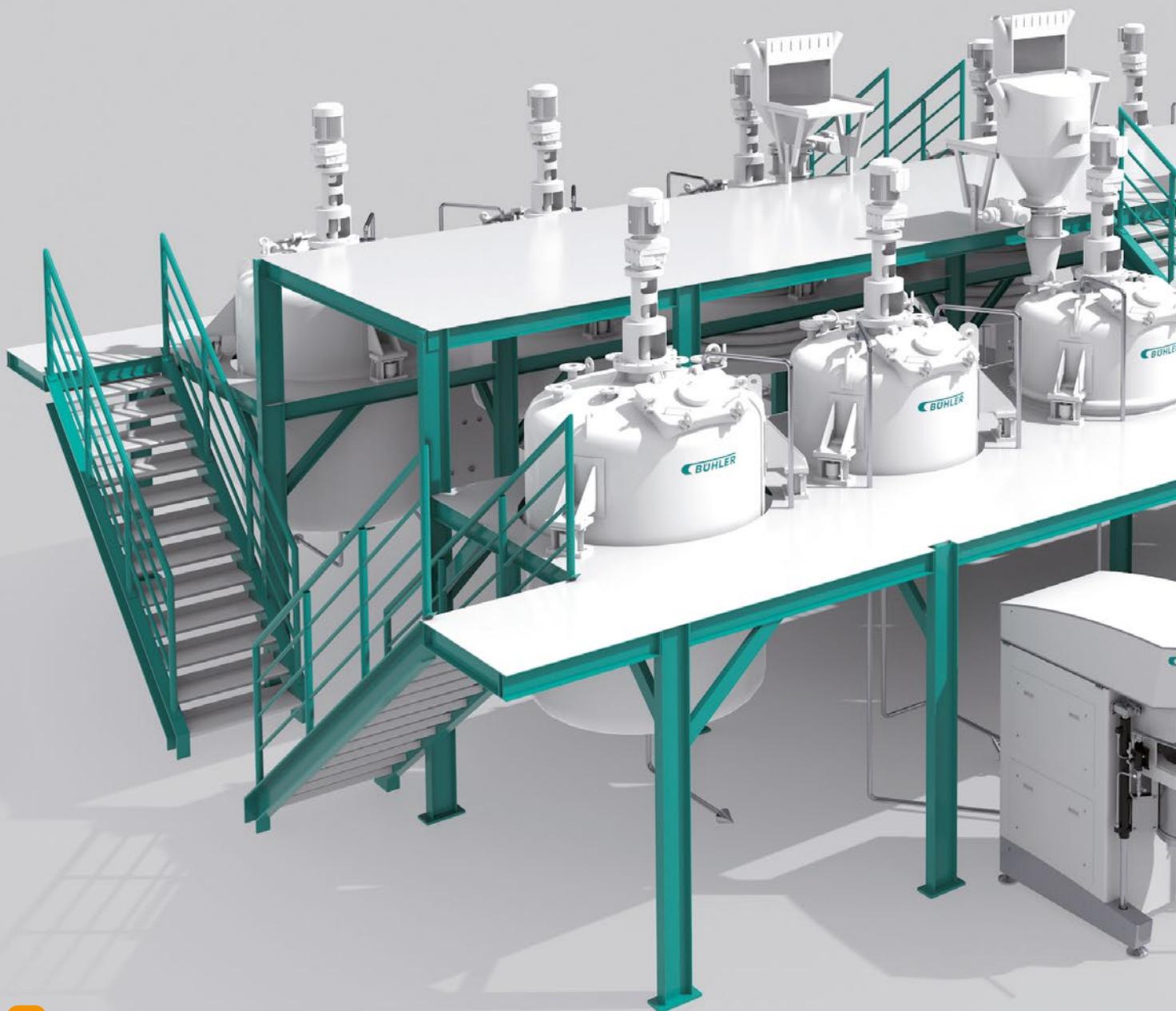
We are your trusted partner

Our representation in more than 140 countries in combination with our vast service network allows us to support you in all

investment phases. From the planning to the commissioning and during the whole life cycle of your equipment we provide a professional service ensuring maximum productivity and quality. As the number one supplier in the ink industry, all top ten ink producers rely on our technology. Join them and benefit from our expertise.

- **100% of the top ten packaging ink companies** utilize Bühler technology
- **60% of the top ten packaging ink companies** use Bühler technology for liquid inks
- **100% of the top five packaging ink companies** rely on Bühler equipment for solvent-based packaging inks
- **75% of the top four packaging ink companies** operate on MicroMedia™ technology for liquid inks

Bühler's innovative process solution. For maximum quality and efficiency.



- 1 Powder intake
- 2 Pre-dispersing
- 3 Fine grinding
- 4 Let down

User-friendly control systems for maximum efficiency

Bühler control systems offer an intuitive design for maximum productivity and easy handling. For example, an intelligent cockpit shows current process parameters including the optimum range of operation, enabling optimal profitability. Additional features guarantee a high process reliability and quality assurance. Bühler control systems are designed for IoT, which opens up numerous possibilities for an extended use in the future, such as storing data in the cloud or allowing location- and device-independent access and control.



MicroMedia+™

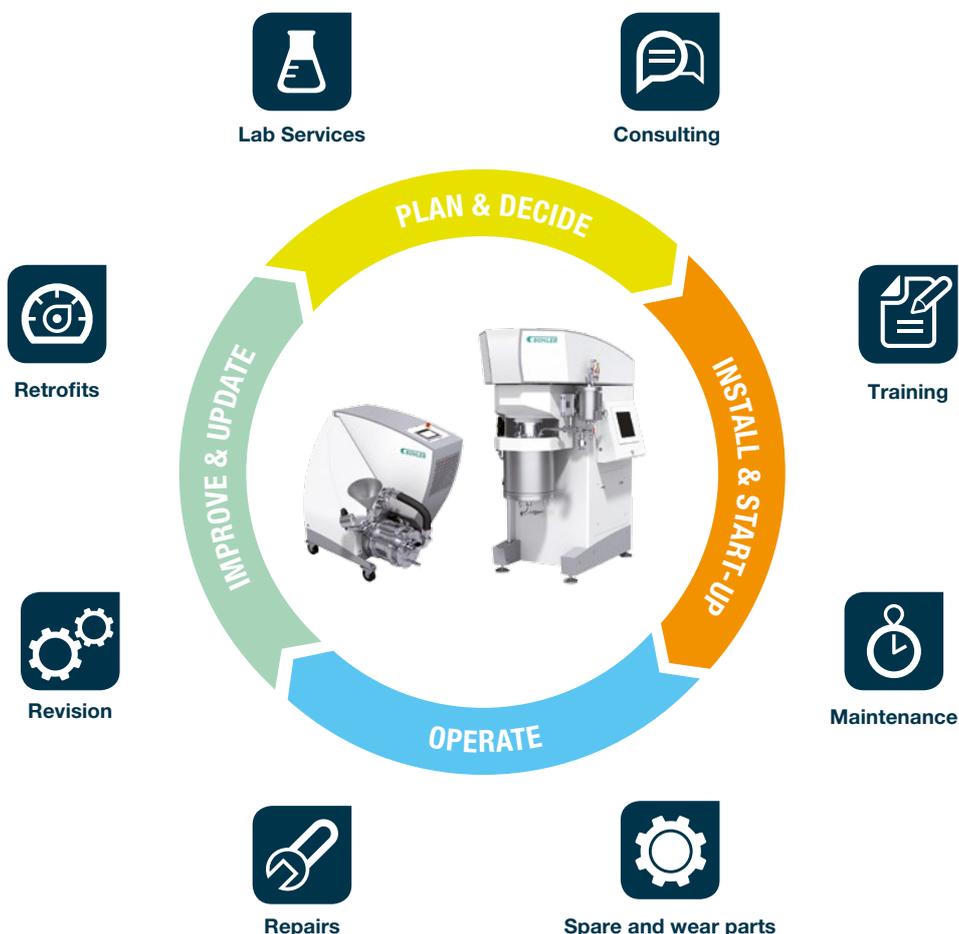
MacroMedia™

An unbeatable duo for top quality

The combination of the MacroMedia™ pre-dispersing unit and the MicroMedia+™ bead mill revolutionizes the production of packaging inks. Thanks to the improved process control in the pre-grinding stage, fluctuating raw material qualities can be balanced out, thereby achieving uniform properties for the intermediate products. This allows an optimization of the fine grinding process with our MicroMedia+™ bead mill. The result: higher profits and perfect quality in the shortest possible time.

Bühler services.

Competent, reliable and customized.



Lab services

Bühler test centers with pilot facilities offer you highest standards and state-of-the-art technologies. Our experts carry out performance tests to determine the correct machine size and operating parameters for your production. In order to achieve representative results, we run trials with your own raw materials.



Consulting

Act today to ensure a successful tomorrow: Our consulting services provide you a decisive competitive edge for the future. Our expert consultants will work together with you to define your requirements, analyze your existing processes, offer you in-depth advice and implement the optimum solution for sustainable success.



Training

Take advantage of the full potential of your plant by having your operators and maintenance crews well-trained. We offer an extensive range of training and continuing education opportunities, either locally at your own site or at our worldwide training centers.



24/7 worldwide.

Whenever you need support we will be on site quickly: We maintain our own service locations worldwide and are widely represented on every continent.

Our technicians procure spare parts without delay and install them professionally, while specialized Bühler workshops carry out extensive repair work and retrofits.



Spare and wear parts

We can deliver Bühler original parts, including mechanical, electrical and electronic components, anywhere in the world and within a very short time – guaranteed by our well-maintained stock of spare parts, our comprehensive distribution network and our expert customer service operators.



Repairs

Our skilled experts around the world stand ready to help in the event of a machine breakdown. Our closely-knit network of service stations ensures that a specialized technician rectifies your problem as quickly as possible.



Revision

Recreate the productivity and quality of your machine as on its very first day of operation. We offer a range of revision packages, ranging from basic service to full overhauling – tailored to your specific needs, of course.



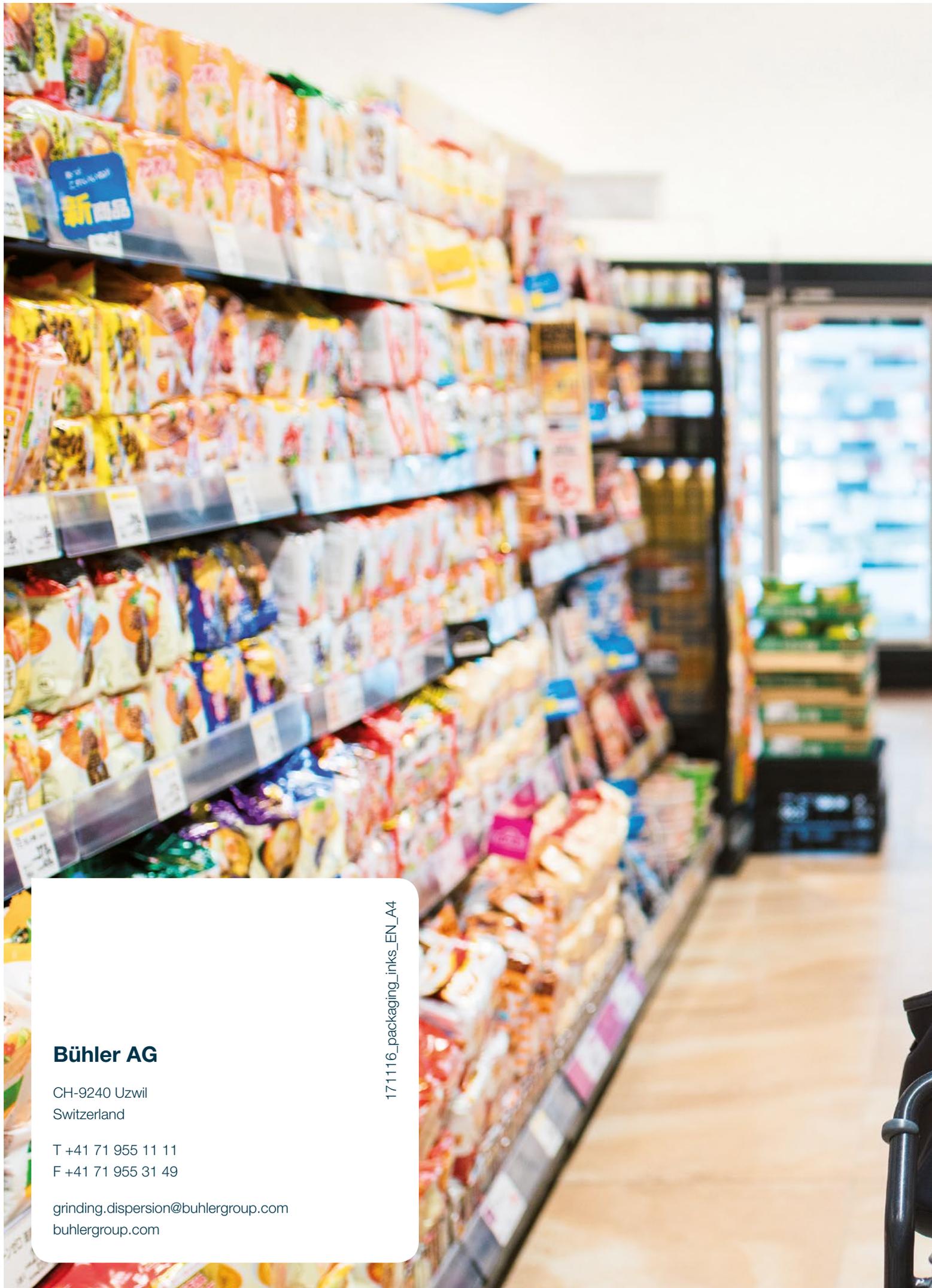
Retrofits

Upgrade your equipment with Bühler retrofits to the latest technology standards. Proven, reliable and affordable, they represent an investment in your future with a guaranteed return.



Maintenance

Even the most robust and reliable equipment needs regular maintenance. We offer proven maintenance service, customized to your needs. After comprehensive consultation and analysis we specify the exact range of services required and develop an individualized service contract that fits your operational requirements.



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