



MIXING SYSTEMS FOR FLAVOURS AND FRAGRANCES

Powder engineering at its best



**HOSOKAWA
MICRON B.V.**

FLAVOURS AND FRAGRANCES HOLD THE KEY TO THE TASTE EXPERIENCE

How technology can create a new taste or enhance an existing one.

At Hosokawa Micron B.V., we fully understand the importance of product quality, accuracy and consistency. When manufacturing powdery blends, your mixing operation has a major impact on your success. We have been supplying mixers and mixing systems for the tailor-made blending of spices, herbs, tea, flavours and fragrances since 1993. As a result, we have built up extensive knowledge of numerous customers' applications and requirements, and have established ourselves as a reliable partner in developing efficient and effective solutions for flavours and fragrances.



FLEXIBILITY IN MIXING

Different applications require different mixing intensities, which is why Hosokawa offers a range of different batch mixers: from low to high intensity. Our mixing solutions also offer you flexibility in terms of batch size and liquid addition options.



Nauta mixer



Vitomix

SYSTEM INTEGRATION

Your mixing operation is an important process step, but for optimal product quality and process efficiency it is essential to view your manufacturing system as an integral solution in which all the components have been carefully selected and integrated. Thanks to our engineering services and experience, we can help you to design, develop and install a powder mixing system that is truly fit for purpose. In addition, we can offer you a full range of components for powder handling and process automation.

PRODUCT HANDLING EQUIPMENT

Within the Hosokawa Group, we offer a variety of powder handling equipment including:

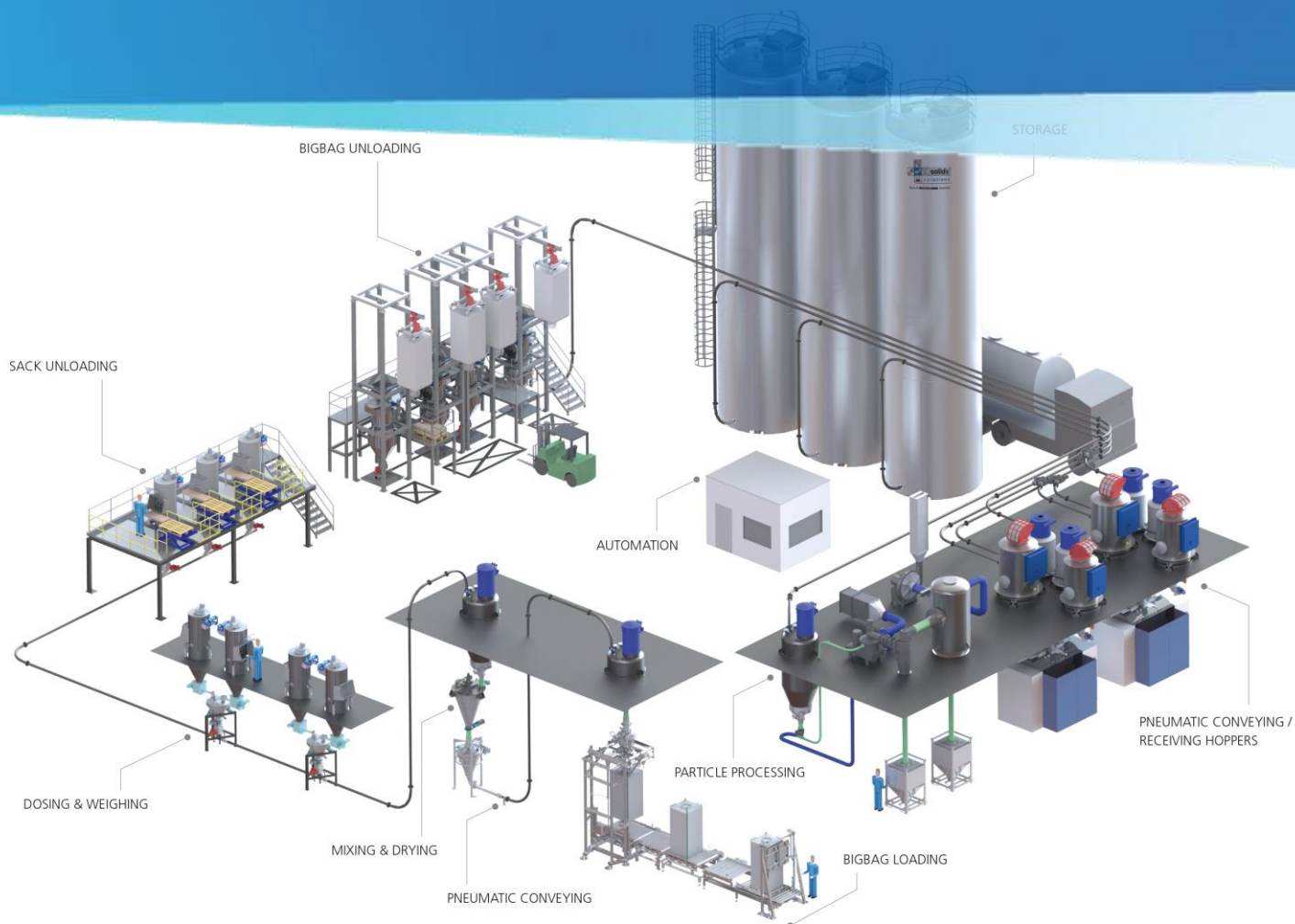
- » Storage silos and bunkers
- » Pneumatic conveying systems
- » Classifying machinery
- » Crushing, cutting and milling equipment
- » Mixing, drying and sterilization units
- » Dosing and weighing equipment
- » Liquid preparation skids
- » Sieving units

CLEANABILITY

Cleaning procedures and methods are an integral part of system design. We work closely with you to create a customized mixing system that meets your specific requirements in line with your products, processes and the applicable regulations. Hosokawa's cleaning solutions cover both dry and wet cleaning, including associated skids.



Conical Paddle Dryer



PROCESS ENGINEERING & MANUFACTURING

Our process team can support you in developing processes and systems. We have a state-of-the-art Test Centre where we can test and fine-tune the technology and parameters using your own ingredients and products. In addition to process development, our team of professional process engineers can support you with aspects such as process and operator safety, including in relation to ATEX safety and dust extraction.

BESPOKE SOLUTIONS

Hosokawa Micron offers a broad spectrum of mixing and powder handling technologies. Thanks to our long-standing experience, we are the ideal partner to transform your mixing operation into a bespoke powder processing system, from incoming base ingredients to final products.

OVER 100 YEARS OF EXPERIENCE

Hosokawa Micron has been developing innovative processing equipment and systems for a wide variety of products and markets for more than a century. As a result, we can draw on an unparalleled amount of know-how when designing new systems.

INNOVATIVE TEST CENTRE

Our research and testing facilities contain a wide choice of equipment for the most varied plant configurations. Our skilled and knowledgeable experts are available to determine the best possible mixing solution for your process, ensuring that all your requirements are met.

FEATURES AND BENEFITS OF HOSOKAWA MICRON MIXING SYSTEMS

- » Batch volumes from 2.5 litres up to 80,000 litres
- » High level of mixing accuracy and constant quality
- » Suitable for low, mid and high-shear processing
- » Multi-purpose systems: sterilization, drying and mixing in one operation
- » Flexibility in working volumes, operation conditions, product handling and cleaning methods
- » For batch and continuous operation
- » Mixing process suitable for addition of liquids, oil or fat
- » Controls and automatization customized to your wishes and requirements
- » Testing, engineering, production and FAT all performed at the same location
- » Site works in line with your specific needs
- » Service support available 24/7
- » One-stop shop



HOSOKAWA MICRON GROUP



HOSOKAWA MICRON B.V.

Team Food & Feed
Gildenstraat 26
7005 BL Doetinchem
NETHERLANDS
+31 314 373 463
food@hmbv.hosokawa.com
hosokawa-micron-bv.com

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