

Continued development of the container mixer concept

MIXACO improves handling capabilities to achieve more efficient mixing processes.

The container mixer—invented by the German engineering company MIXACO in 1965—was a milestone for the efficient handling of mixing technology. MIXACO has continued to develop its technology, customising it to suit the individual needs of its customers.

The principle behind the container mixer (see picture on front cover), in which portable mixing containers and the mixing head are separate, offers many advantages when it comes to handling and improving mixing processes. This ensures that batches can be processed quickly, flexibly and without any delays. The main objective is to reduce idle times and increase throughput.

“Our solutions are geared towards ensuring high machine availability and process reliability,” explained MIXACO managing director Matthias Tölle. “MIXACO container mixers are ideal for integration into existing systems and are flexible enough to be integrated into existing material flows”.

MIXACO has numerous solutions that ease handling, such as connectivity to floor scales and dosage handling, or a discharge station for dustfree discharge, electrically powered container movers, and successful integration in driverless transport systems.

Automatic cleaning processes

Speeding up container mixing cleaning processes has also played a vital role in the further development of container mixing technology. The cleaning phase is the main cause of a machine's idle time. It is important to find solutions that reduce cleaning times while ensuring optimal mixing head cleaning results at

the same time. The lack of qualified personnel is also increasingly impacting cleaning processes. Automated cleaning processes therefore help to make more efficient and targeted use of available resources.

Industry 4.0

Connectivity and the inclusion of automated processes are important additional steps that add to the advantages of the container mixer. Cloud-based solutions, for example, can ensure that the mixer is monitored at all times. This allows the earlier detection of malfunctions and faster service reaction times. The aim of preventive maintenance is to increase machine availability and substantially reduce the downtime of any mixers currently in use. Moreover, by integrating networked functionalities into existing mixing systems, customers can benefit from added investment security and added value overall.

Highly customer oriented

Developments at MIXACO are a result of customer exchange and customer collaboration. Customer needs were the starting point for many solutions on the market today which have now become industry standards. These solutions include new application areas, such as the pet food industry. Here, MIXACO developed customised mixing solutions that meet the highest standards of gentle mixing, optimised mixing results and deep cleaning results. Several producers were favourably impressed by the performance of the Multitool™ when handling goods that require this type of sensitive mixing solution.

“MIXACO proves time and time again that it



Mixing tools can be changed quickly as needed or when changing recipes; this means that the mixer is ready for the next batch after only a short space of time.

has a portfolio which caters to new application areas besides the classic plastics market,” explained Matthias Tölle. “We are in a position to offer customised solutions based on what we have and what we have done. We are in a position to substantially improve production process handling.”

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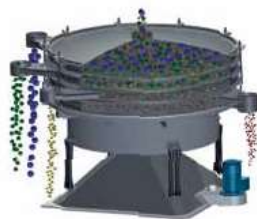


The MIXACO Multitool™ is an example of the thoughtful further development of the container mixer; reduced cleaning times and higher throughput are just two of the major benefits of using lower temperatures during mixing.

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