

Best practice

Ensuring precision and quality for a versatile dosing station with two weighing points



MIXACO rely on proven Minebea Intec weighing and dosing technology in the design of their high-end dosing and weighing stations.

Key facts

To meet the wide range of customer requirements and applications, MIXACO were exploring ways to provide an all-in-one station solution which can be used for both dosing smaller amounts of ingredients and weighing the corresponding mixing tank.

Application

Fitted with a bench and floor scale alike, the mixing station enables dust-free weighing up to 30,000 g, as well as up to 1,000 kg for reliable dosing.

Products

- Weighing platform
- Weight controller Maxxis 5 with 2 weighing points and recipe management system
- Floor scale IFS 1,000 kg

Customer benefits

Together with the weight controller Maxxis 5, the reliable industrial scales guarantee precise weighing results and strict compliance with recipe specifications. More complex dosing processes can be implemented using the software ProRecipe XT.

- precise measurement results
- rugged design
- for both simple and complex dosing processes

The customer

MIXACO have been recognised as a leader in innovation in mixing technology for over 50 years. The company stands for high-end components, sturdy design and top-notch build quality - Made in Germany. Their broad range of products spans from container agitators through heating/cooling mixers for compounding to novel horizontal agitator systems. Their 35 offices and over 6,000 successfully installed units worldwide make MIXACO a global player in industrial mixing technology.

Project goal and implementation

Dosing stations are used in numerous industries to ensure optimum mixing processes. Their precision allows for repeatable results and consistent product quality. A leading provider in mixing technology, MIXACO offer a high-end yet functional solution to cater for exacting and multi-faceted customer requirements. Seated in Neuenrade, Germany, the company draws on its own in-house German engineering competence, supplemented by weighing technology from Minebea Intec.

At the heart of the dosing station is a sturdy bench structure which, apart from holding the bench scale, also provides access to the floor scale. Both stages are equipped with extraction systems, enabling dust-free weighing. Dust can regularly interfere with weighing in the paint or chemical industries in particular: a dust-free application is thus a must in attaining precise weighing results.

The top stage of the dosing station features a high-resolution bench scale (e.g. Combics). This industrial weighing solution ensures safe dosing of smaller amounts of ingredients which

can be filled directly into the mixing tank underneath. To ensure that all ingredients listed in the recipe are provided in just the right quantity, the bottom stage of the dosing unit has a 1,000 kg IF series floor scale which has a particularly low platform, enabling easy positioning and weighing of mixing tanks.

“Our company and products represent genuine high-end technology, Made in Germany. Our cooperation with Minebea Intec has provided us with a reliable weighing technology supplier who shares our quality-focused approach.”

Guido Brand, Sales & Marketing, MIXACO

Both platforms are connected to the weight controller Maxxis 5. In addition to ensuring precise weight display in both weighing ranges, the weight controller uses bespoke software applications to facilitate multi-component dosing and allows for connection to master systems.

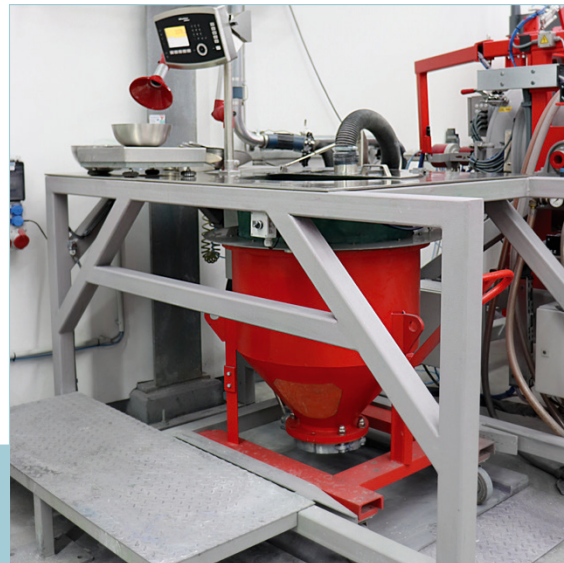
For more complex recipe requirements, the software ProRecipe XT offers a number of additional

options – also available in a tablet-based mobile version.

MIXACO have customers from the most diverse of industries. Over time, the precise dosing stations have proven invaluable to numerous companies in the chemical, pharmaceutical, plastics and paints industries.



Precise weighing of pigments and additives is achieved using the bench scale. An extraction system ensures that the application is free of dust at all times



Mixing tanks can be pushed onto the floor scales IF with little effort. The weight controller processes the measurement results of both weighing points and provides guidance throughout the recipe management process



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