

For Precise Suspensions: Dissolving and Dosing Systems from endeco



Using our extensive practical experience, we develop precision-tailored dissolving and dosing systems for the foodstuff, plastics, paper, and chemical industries. Our systems allow you to produce suspensions with an accuracy of up to +/-0.5%.

- The required dry materials are removed as needed directly from silos, big bags, or sacks and fed to the dissolving system through suitable conveyor systems
- Depending on the liquid quantity and the required dry matter content, the powder is dosed into the agitator tank via a dosing device
- Variable density control via solids and liquids dosing

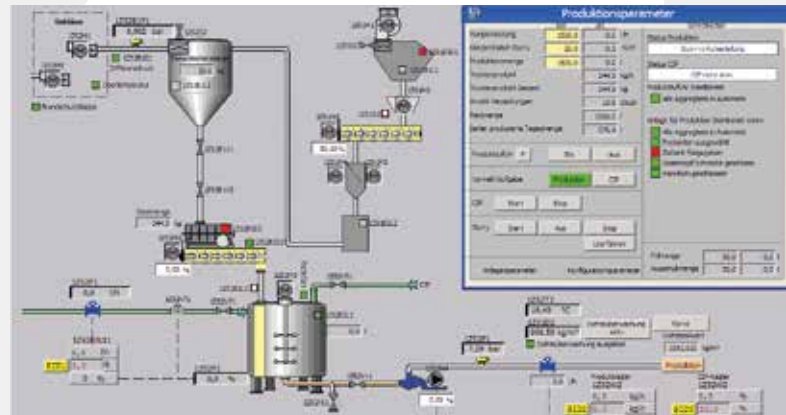
- The agitator mixes the dry product with the liquid into a homogeneous solution
- The suspension is transported to the appropriate removal points or storage tanks by means of a feed pump
- Extensive product database for bulk materials (incl. flowability, product/product and product/wall friction angle etc.), scientific examination of unknown products, if necessary

The systems can easily be supplemented with heating, cooling, and simmering lines and can be designed for batch operation or continuous mode, depending on the requirements.



**The professional,
tailor-made solution**

endeco
engineering · design · construction



Dosing and dissolving – as needed, fast, and reliable

Your dissolving and dosing system from endeco will render precise results in a short time. It will be designed pursuant to your requirements, environmental conditions, and preferences and seamlessly integrated into your upstream or downstream processes.

Tailored to your needs – designs and options:

- Designed according to ATEX requirements in zone 20/21/22
- Material S235 JR or stainless steels 304 or 316L
- Compliant with GMP, FDA, and EU 1935
- Custom surfaces from mill finish to ground and polished
- Wear-resistant design possible

- With integrated CIP and SIP systems
- Explosion-proof design
- Manual or fully automated processes via own programs possible
- Continuous or discontinuous dosing
- Continuous or discontinuous product removal
- Gravimetric or volumetric dosage possible
- Near-complete residual discharging
- Dosing systems or feeds of mixing and screening systems can be easily assembled from standard components

Get in touch with us – we would be glad to advise you.

