

New generation of mixers offers almost complete emptying

The latest patented series of vertical mixers from amixon, Paderborn, Germany, can achieve virtually total contents discharge. Traditionally this type of mixer suffers from the drawback of mixture residues with poor flow properties adhering to the helix, which necessitates time-consuming cleaning. The helix of the mixing device with this new generation of vertical mixers is inclined and designed, if required, as a sine wave. Tests have demonstrated that mixing efficiency is significantly improved in this way. In addition, this design feature considerably increases the degree of emptying. For example, an amixon single-shaft mixer



processing 2m³ of product only leaves behind 240g after discharge. This is equivalent to 99.983% residual emptying rate.

Other advantages are that the mixers can be run with filling levels varying between 10 and 100%, and – using the same mixer – it is possible not only to homogenise products very gently, but also intensively disagglomerate as well as blending viscous liquids with a high degree of precision. The new mixer series will be exhibited at Interpack (Hall 1, Stand F23).

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Mixing element from amixon's latest generation of vertical mixers