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## Drum mixer JEL TRM

Drum mixers also master materials with unfavourable mixing properties. They work according to the principle of forced mixing. Perfect mixing results – for doughs, pastes or dry mixes.



The drum mixer is available in various sizes up to approx. 10 cbm. The centrepiece is the cylindrical mixing drum. It is mounted horizontally between two support frames and has large doors for good accessibility during cleaning.

Inside the mixer is the mixer shaft, which can be equipped with various tools depending on the application. Special equipment such as cutter heads for dissolving agglomerates, mixing tools for doughs and pastes, spraying devices with special seals and much more are available.

If required, the drum mixer can be docked to a charging and discharging system and the process can be automated.

### Features of the JEL TRM

Mixer in different materials or stainless steel

If required, with wear-resistant protective coating (e.g. Hardox)

Knife-tool to break up product agglomerations

With optional spray appliances

Seal versions specially adjusted to the product

Adjustable wall wiper

Selectable manual and automatic operation

Can be supplied in ATEX construction

Optionally also in GMP construction or with CiP-cleaning

## Method of operation of the JEL TRM

The drum mixer is fed via one or more inlets. The mixing tools inside the drum are either built onto the mixer shaft or mounted in the inner wall of the mixing drum. Rotating belt spirals can be used for particularly gentle mixing.

Set in rotation, their shape forces the mix into a whirling, three-dimensional movement. The components are thus intensively mixed – even if the individual components of the mixed material vary greatly in terms of quantity ratio, bulk density or grain size.

Adjustable speeds and the selection of suitable mixing and crushing tools enable a wide variety of tasks to be mapped. After the specified mixing time, the mixer is emptied almost completely via the outlet.

## Advantages of the JEL TRM

Intensive mixing effect even with low additions of e.g. additives or active ingredients

For mixtures with high density and grain size differences, short mixing times

Good cleaning possibility due to lateral, large inspection opening

Low dead space, closure flap adapted to the container radius

Can be used for a quantity ratio of up to 1:100.000

Automatic feeding and emptying possible

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