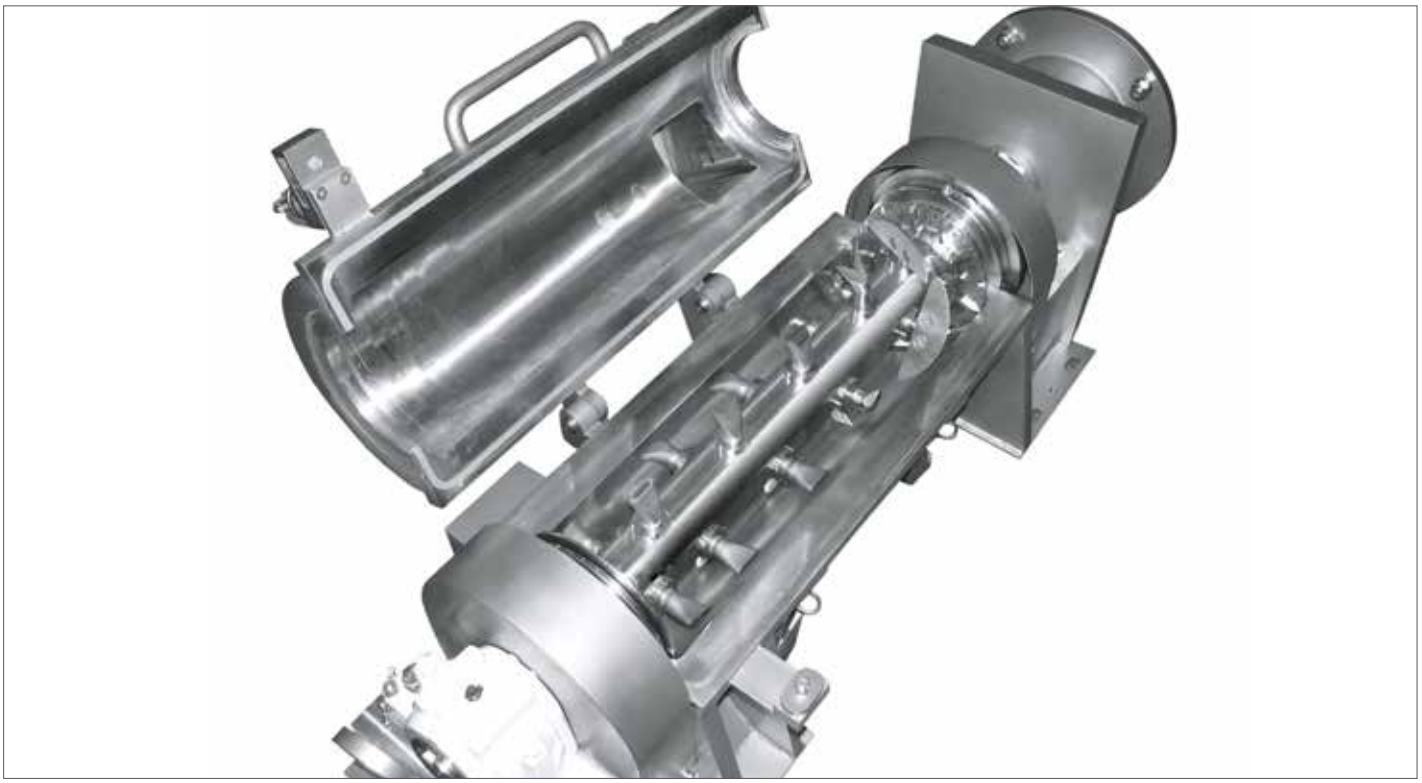
LÖDIGE
PROCESS TECHNOLOGY

RINGLAYER MIXER CORIMIX® TYPE CM 20 FOR CONTINUOUS OPERATION

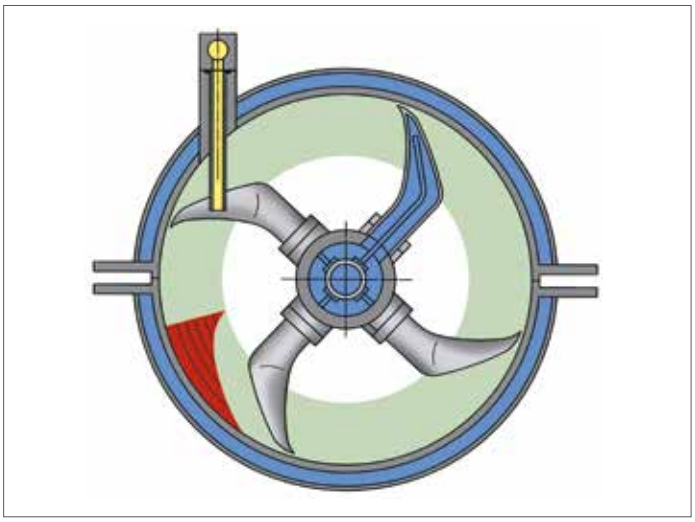
- Compact pilot-plant unit with high throughput rates
- Maximum homogeneity of the mix
- Uniformly granulated material
- Highly wear resistant mixing elements
- Optional: exchangeable main shafts, perfectly suited to the application
- Optional: exchangeable wear protection elements for the mixing area



ALWAYS THE RIGHT MIX

Ringlayer Mixer CoriMix® type CM 20 standard design

Ringlayer Mixer CoriMix® type CM 20 in special design as pilot plant with exchangable mixing shafts and wear protection



Ringlayer Mixer CoriMix® type CM 20 for continuous operation

High speed, continuous mixer for large throughput quantities, designed particularly for homogeneous intermixing of liquid or pasty components into dry carrier materials.

Range of Application

- Chemicals
- Food
- Building materials
- Animal feed
- Cellulose derivatives
- Starch and starch derivatives
- Wood fibre (chip board production)
- Powder detergent
- Environment (treatment of dust and sludges)
- Agrochemistry
- Pharma
- Plastics/Polymers

Mode of Operation

The system is based on the high peripheral speed of the mixing shaft tools of up to 40m/s, the resultant centrifugal force forming a concentric annular layer of product. The product is moved through the mixing chamber in a plug-like flow.
The residence time is influenced by the degree of filling, the rotation speed, the geometry and adjustment of the mixing tools as well as the mixing vessel length and the flow rate. The system offers the possibility to divide the mixing chamber into zones of different shear intensity (transporting, dispersing and mixing elements). Liquid constituents are directly led into the ringlayer - either from inside through a hollow shaft with special, perforated tools, or from the outside. Both liquid addition systems avoid undesirable wetting of the mixer wall and mixing shaft.

Equipment

- Several, exchangeable wear protection shells for the mixer inside
- Different types of mixing shafts, especially suitable for the application
- Liquid addition through hollow shaft or tangentially by injectors from the outside
- Heating / Cooling jacket to avoid build-up
- Load-controlled discharge door

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