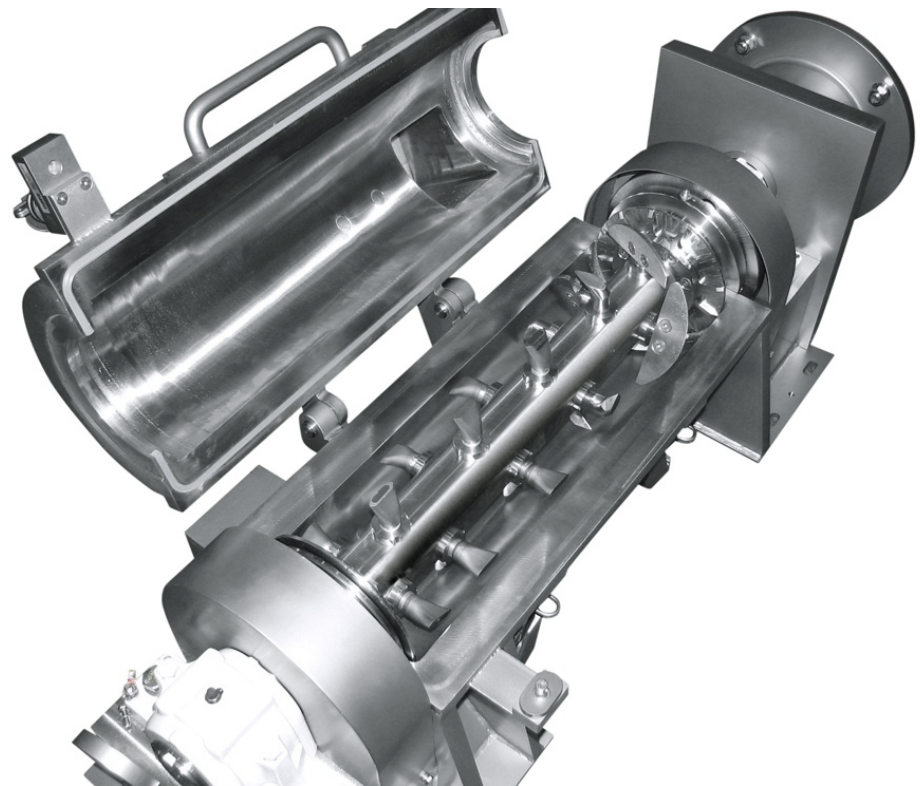


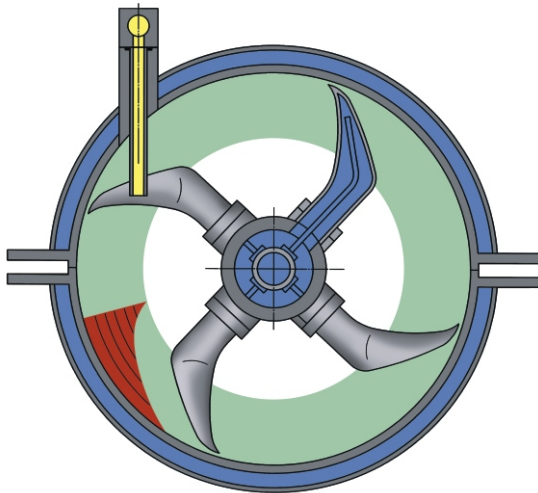
Continuous Ringlayer Mixer CoriMix® CM 20



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



CM 20 standard design



CM 20 in special design as pilot plant with exchangeable mixing shafts and wear protection.

CoriMix® CM

High speed, continuous mixer for large throughput quantities, designed particularly for homogeneous intermixing of liquid or pasty components into dry carrier materials. When small quantities of liquid are added the end mix produced in this machine is without agglomerations. If large quantities of liquid are added a uniform granulated structure is obtained.

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 number of revolutions, 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 ring layer - 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.

Range of application

- agrochemicals
- materials processing
- particle boards
- fibre boards
- plastics
- animal feed
- starch
- paper
- gypsum fibre boards
- food industry
- fine foods
- detergents
- ashes / dusts
- sludges

Equipment

- Several, exchangeable wear protection shells for the mixer interior
- 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
- Measurement of product temperatures
- Load-controlled discharge door