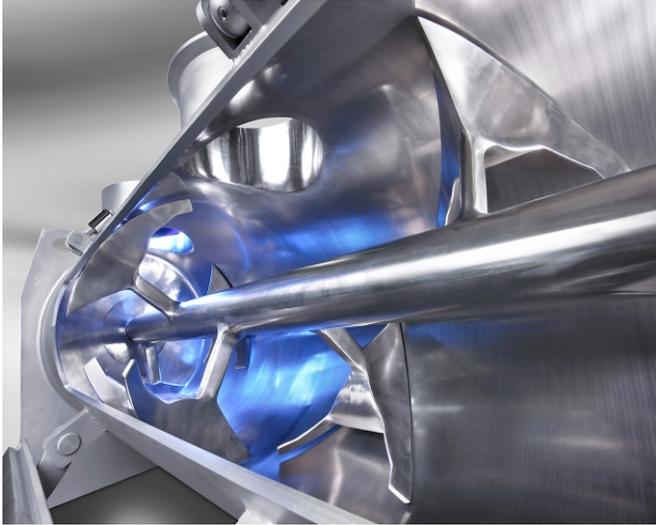


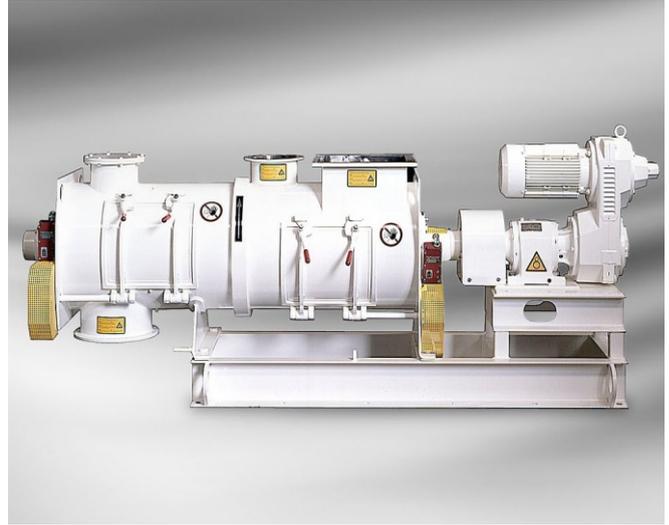
## Continuous Ploughshare® - Mixer KM

- Maximum homogeneity of the end product
- Residence/mixing times between 25 and 60 seconds
- Granulation process within 3 - 6 minutes
- Gentle treatment of products
- Consistent reproducibility
- Maximum availability
- Low maintenance mixer concept

# Continuous Ploughshare® - Mixer KM



View inside mixing drum

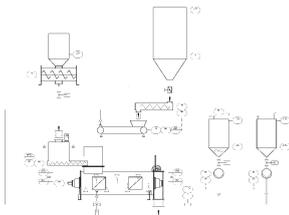


KM DW 600

Continuous Ploughshare® Mixers operate in accordance with the Lödige principle of the mechanically generated fluid bed introduced to mixing technology by Lödige. Equipped with mixing elements which can be adapted to individual requirements, this machine produces mixes of the highest quality.

## Mode of Operation

The peripheral speed and geometric shape of Ploughshare® shovels, rotating close to the wall of a horizontal, cylindrical drum, lift the mixing components from the product bed into the open mixing area and scoop material from the wall of the drum counteracting the centrifugal force. A fluid bed generated mechanically in this way, whereby all the product is constantly involved in the mixing process, ensures maximum mixing intensity at even the highest feed rates and shortest residence times. The specially shaped mixing elements ensure best product conveyance. Choppers can be installed in the mixing drum as optional equipment to disperse agglomerates and provide controlled granulation during the mixing process.



Unit for continuously mixing two bulk materials with simultaneous moistening



Multiple Chopper

## Sizes

| Sizes      | Drum Volume in Liter | Flow Rate at 1 min. residence time in m <sup>3</sup> /h | Dimensions l x w in mm |
|------------|----------------------|---|------------------------|
| KM 150 D   | 150                  | 4,5   | 2000 x 1000            |
| KM 300 D   | 300                  | 9   | 3000 x 1000            |
| KM 600 D   | 600                  | 18  | 4000 x 1500            |
| KM 1200 D  | 1200                 | 36  | 4000 x 1500            |
| KM 2000 D  | 2000                 | 60  | 5000 x 1500            |
| KM 3000 D  | 3000                 | 90  | 6000 x 1500            |
| KM 4200 D  | 4200                 | 126   | 7000 x 2000            |
| KM 6000 D  | 6000                 | 180   | 8000 x 2500            |
| KM 8000 D  | 8000                 | 240   | 8000 x 2500            |
| KM 10000 D | 10000                | 300   | 9000 x 3000            |
| KM 13500 D | 13500                | 405   | 10000 x 3000           |
| KM 15000 D | 15000                | 450   | 11000 x 3000           |
| KM 20000 D | 20000                | 600   | 12000 x 3000           |
| KM 30000 D | 30000                | 900   | 14000 x 3500           |

## Range of Application

- Dry bulk materials (powdery, granular, fibrous)
- Dry bulk materials and liquids (Moistening + granulating)
- Liquids and pastes with low viscosities

## Optional Equipment

- Highly wear resistant surfaces
- Heavy duty building steels, stainless steels and special materials
- Chopper units
- Heated/cooled drum, endplates and shaft
- Equipment for liquid supply

**Gebrüder Lödige  
Maschinenbau GmbH**

Elsener Straße 7-9  
33102 Paderborn

Telefon: +49 5251 309-0  
Telefax: +49 5251 309-123

E-Mail: info@loedige.de  
www.loedige.de