

Single Shaft Mixer with standard Drum

(patented)

for dry, moist and suspended goods
extremely gentle or intensive deagglomeration treatment



Our pilot plant stations are at your disposal in Paderborn/ Germany, Memphis/ USA, and Osaka/ Japan

The mixing chamber rotates to facilitate filling and discharging operations

three-dimensional flow in the tilted mixing chamber



Mixer's field of application

- small production orders
- preparation of master batches
- "just-in-time" mixing jobs
- product development

Properties

- Technically ideal mixing quality; adjustable mixing intensity (from gentle homogenisation to intensive deagglomeration)
- Micro-fine admixture of liquid material; the mixer remains dry and clean
- Selection of filling level from 10% to 100% of working capacity
- Ideal discharging of residues; easy cleaning/ sterilisation (GMP Standard)
- Integration into your ERP System, mixing programs supplied by PLC
- A bar code scanner can be integrated for online-documentation
- You need a limited infrastructure only: manual fork lift, scale and some standard drums

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We reserve the right to make changes due to progress in process engineering and manufacturing technology.

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Function

A patented spiral mixing tool rearranges the mixing goods. There is an upward movement in the periphery and a downward movement caused by gravity in the centre of the mixing vessel. You can improve the cross flow by inclining the mixing vessel up to 25 degrees. This mixing machine achieves technically ideal mixing qualities. Mixing goods can be dry, wet, suspended or pasty.

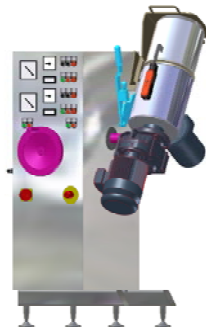
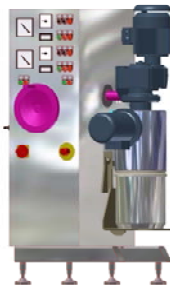
According to the required processing/ mixing result (either gentle or aggressive and dispersive) you can select the mode of operation: gentle blending/ deagglomeration/ wetting at low energy input/ wetting at high energy input/ agglomeration/ drying/ improving of solubility/ ...



Discharging



Mixing



Type	lowest filling level if mixing goods are flow able [liter]	highest filling level [liter]
EM 5	0,5	5
EM 10	1	10
EM 20	2	20
EM 30	3	30
EM 50	5	50
EM 100	10	100
EM 150	15	150
EM 200	20	200
larger mixers on request!		



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Pharmaceutical qualification documentation is available on request!**