

Mixing Technology for friction lining mixes and sealing compounds

Preparation of dry mixes, wet mixes and granules

EVACTHERM®-process under normal pressure or under subatmospheric pressure, with explosion protection
Mixing, granulating, drying, cooling in one unit

The unique working principle

Rotating mixing pan

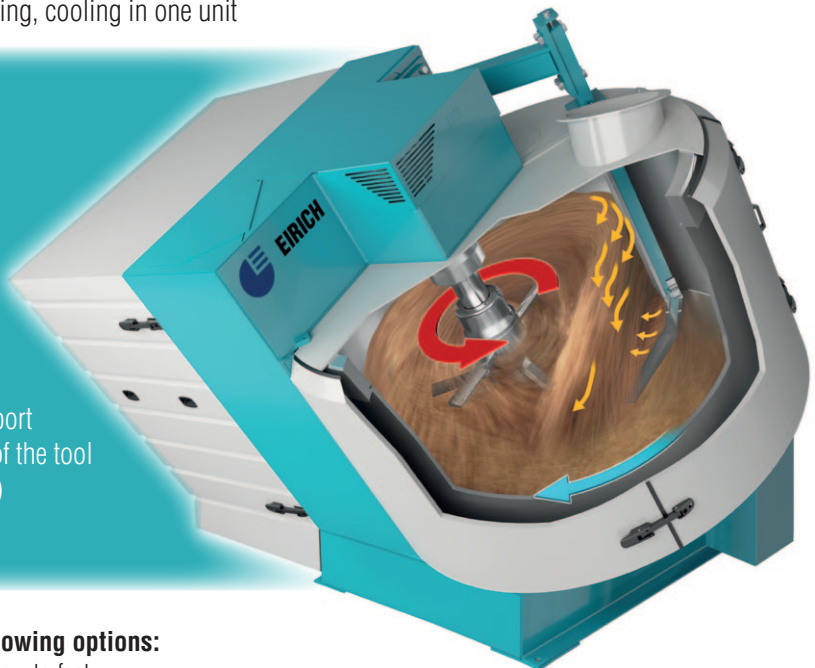
for material transport

Variable speed mixing tool, slow to fast

for mixing, kneading, granulating

The effect

The separation between material transport and mixing process allows the speed of the tool (and thus the power input into the mix) to be varied within wide limits.



This working principle offers the following options:

- The mixing tool can be run variably, slow to fast
- The input of mixing energy into the mix can thus be controlled efficiently
- High tool speeds allow
 - agglomerates to be disintegrated perfectly
 - fibers to be disintegrated optimally
 - binders to be admixed well
 - fillers to be distributed evenly
- Medium tool speeds allow high-quality mixes to be produced
- Low tool speeds allow nondestructive admixing of delicate substances (e.g. mineral fibers)
- The mixer is suitable for mixing, granulating and kneading
- Optimal separation of agglomerates and fibers without choppers
- Only 1 rotor tool for mixer sizes from 1 liter up to 3000 liters
- A separate dryer is unnecessary in the EVACTHERM® process
 - Aqueous systems or organic solvents can be used
 - Advantageous, very efficient convection drying
 - Temperature profile can be specified
 - No product overheating at hot machine parts
 - Residual moisture can be set to < 0.5 %
 - Mixing, drying, granulating, cooling in 1 unit
 - Closed, compact system

Other advantages:

- No dead zones in the mixer
- Short process times
- No product-contacting shaft passages

EIRICH customers tell from experience:

- No step-by-step raw material addition necessary
- Optimal separation of synthetic, metal or mineral fibers
- Permanently homogeneous reproducible mixes of high quality

**Top-name manufacturers around the world work with EIRICH mixing technology.
We would be glad to provide references on request. EIRICH is a research partner for universities.
Put us to the test. We would be glad to tell you more.**

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