

# Mixing Technology for Factory-Produced Dry Mortar

## ■ Plasters

- interior plaster
- facing plaster
- heat-insulating plaster
- redevelopment plaster
- lightweight plaster
- fireproof plaster
- dehumidifying plaster

## ■ Brick mortars

- high-density mortar
- thin-layer mortar
- lightweight mortar
- face mortar

## ■ Special mortars

- adhesive mortar
- repair mortar
- redevelopment mortar
- sealing mortar
- filler mortar

## ■ Screeds

- cement screed
- anhydrite screed

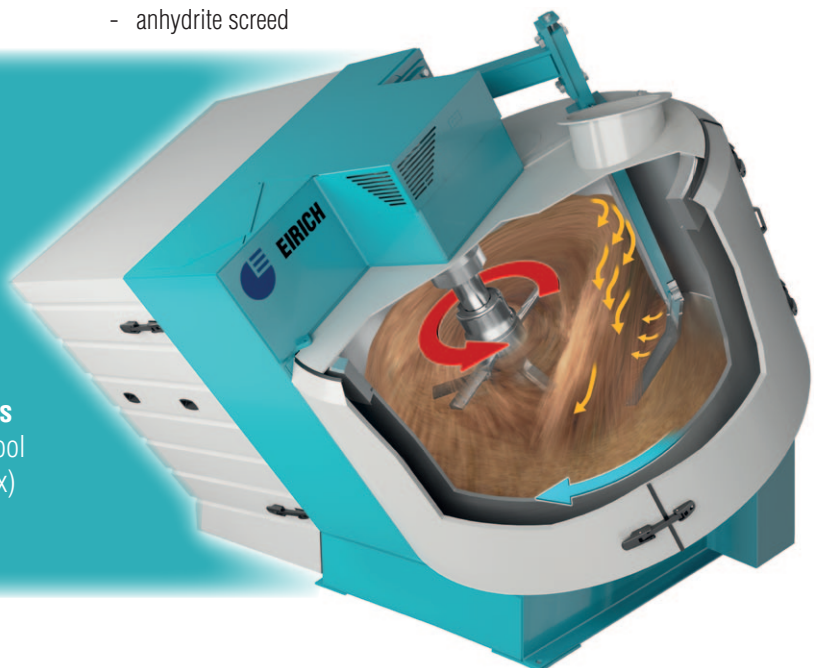
### The unique working principle

**Rotating mixing pan**  
for material transport

**Variable-speed mixing tool,**  
**slow to fast**  
for mixing

**Separation between material**  
**transport and the mixing process**

This allows the speed of the mixing 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, at low or high speed
- The input of power into the mix can thus be controlled specifically
- High tool speeds allow
  - fibers to be disintegrated optimally
  - pigments to be ground perfectly and mixed-in streak-free
  - very small amounts of additives to be mixed-in optimally
- Medium tool speeds allow high-quality mixtures to be produced
- Low tool speeds allow lightweight aggregates to be mixed-in gently

### Further advantages:

- The mixers can optionally be supplied with a proven automatic pneumatic interior cleaning system

- Mixing processes / mixing speeds can be adjusted to the respective formula

### Advantages compared to horizontal mixers:

- Completely different mixing principle: No problems regarding axial mixing, no demixing effect on long mixing times
- The mixer efficiency is independent from the arrangement of the component feeding units
- Finest materials / pigments can be mixed even in smallest quantities (up to ppm values) without using cutter heads
- Liquids (e.g. dust binders) are added without atomizing and mixed in very quickly

### EIRICH customers report their experience:

- The mixing result / the mixing quality remain unchanged even if only partial quantities are mixed, down to 30 % of the nominal capacity
- Clearly less wear compared with cylindrical mixers
- The dust binder consumption is reduced by up to 50 % (better distribution)

**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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