



# EIRICH

## Dispersing in the MixSolver®

### In the ceramic industry

- dispersing of filter cakes
- preparation of clay, kaolin, etc.
- spray slurry for tiles, utility ceramics and technical ceramics
- casting slurry for sanitary ceramics, utility ceramics and technical ceramics
- dispersing of plaster wastes, green scrap and dry scrap
- bodies for ceramic filters

### Other applications

- coating pigments for paper manufacture
- coal / water suspensions
- bitumen emulsion
- foamed concrete
- microsilica preparations
- toner
- coloring pigment suspensions
- sealing compounds
- road marking compounds

### The unique working principle

#### Rotating mixing pan

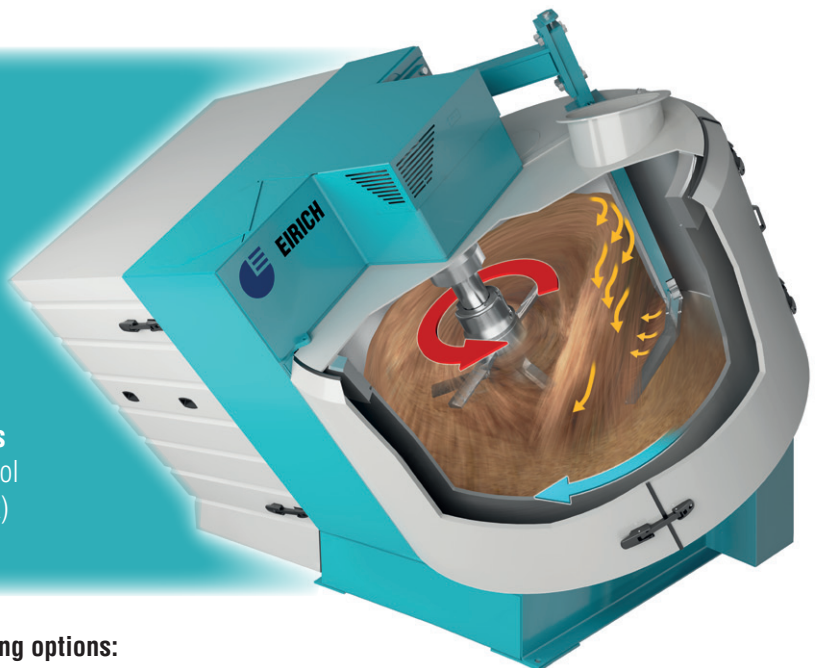
for material transport

#### Variable-speed mixing tool, slow to fast

for mixing, kneading, dissolving, dispersing

#### 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 tool can be run variably, slow to fast
- The input of power into the mix can thus be controlled specifically
- High tool speeds allow
  - agglomerates to be disintegrated perfectly
  - solids to be dissolved or dispersed completely
  - primary particles to be completely coated with an organic solvent film
- Pressure below ambient pressure / vacuum for slurry degasification possible
- Operation under inert gas is possible
- Cooling and heating are possible
- Even high viscosities and solid concentrations are processed without problems

### Further advantages:

- No areas with low flow
- High power input possible
- Short processing times
- Small space requirement
- Cost savings compared to other systems
- Energy savings of up to 50 %
- Shorter maturing times or maturing unnecessary
- Reduced liquefier consumption
- Raw materials of poor quality can be processed into top quality slurry

**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.**

**Maschinenfabrik Gustav Eirich GmbH & Co KG**

Postfach 11 60, 74732 Hardheim, Germany  
Phone: +49 6283 51-0, Fax: +49 6283 51-325  
E-Mail: eirich@eirich.de, Internet: www.eirich.com

**MIXING TECHNOLOGY**