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

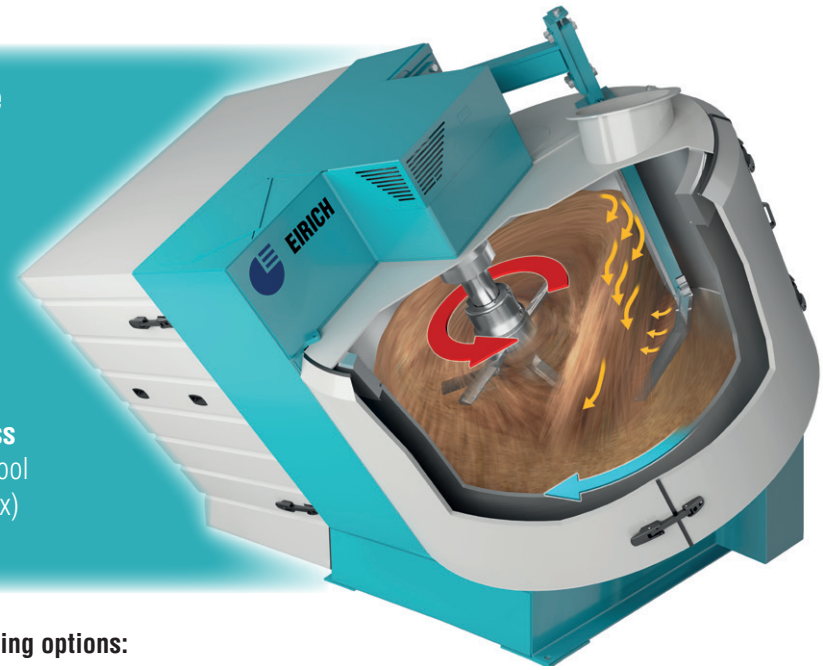
Other applications
- coating pigments for paper manufacture
- coal / water suspensions
- bitumen emulsion
- foamed concrete
- microsilica preparations
- toner
- coloring pigment suspensions
- sealing compounds
- road marking compounds

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

Further advantages:
- No areas with low flow
- High power input possible
- Short processing times
- Small space requirement
- 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

EIRICH customers tell from experience:
- 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 reserach 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

MR 1863-2-en 10/2016