

Mixing Technology for Technical Ceramics

- **Extrusible bodies**
- **CIM mixes**
- **Press bodies**
- **Granules**
- **Casting slurry**
- **Spray slurry**

for:

- catalysts
- insulators
- varistors
- bioceramics
- wear-resistant ceramics
- ballistic ceramics

- structural ceramics
- cutting ceramics
- high-temperature ceramics
- magnetoceramics (ferrites)
- foamed ceramics
- nanoceramics

The unique working principle

Rotating mixing pan

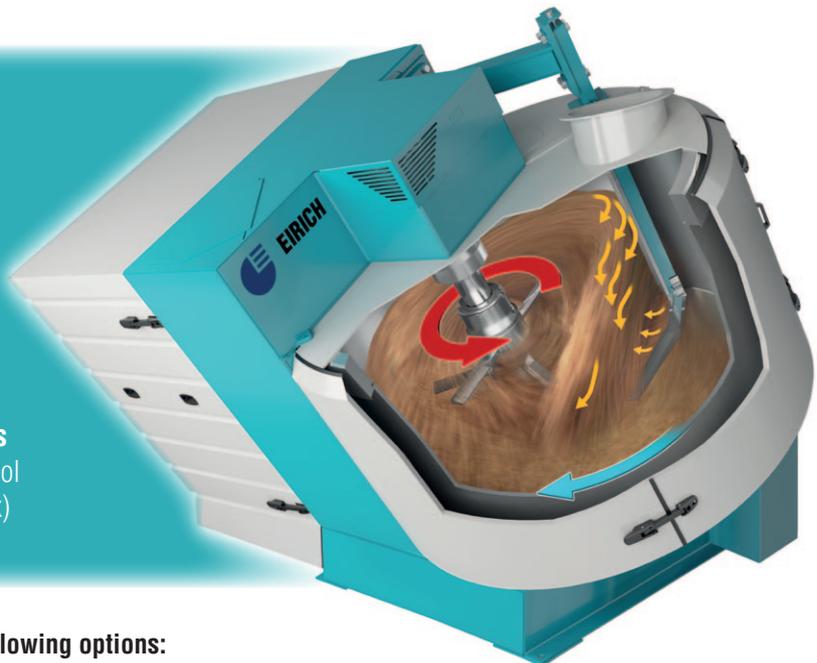
for material transport

Variable-speed mixing tool, slow to fast

for mixing, kneading, granulating, 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 mixer is suitable for mixing as well as granulating, kneading and dispersing
- The 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
 - agglomerates to be disintegrated perfectly
 - fibers to be disintegrated optimally
 - primary particles to be completely coated with an organic solvent film when dispersing
- Medium tool speeds allow
 - high-quality mixtures to be produced
 - extrusible mixes to be kneaded effectively
 - green scrap and drying losses to be plasticized or dispersed again
- Low tool speeds allow
 - lightweight aggregates to be mixed-in gently
 - granules to be rounded

Further advantages:

- Short process times
- The mixer can be heated
- Mix temperatures of up to 250 °C are possible
- Available size from 1 L

EIRICH customers tell from experience:

- High accordance with the formula, each new mix is like the one before
- Product improvements by higher mixing quality
- Less scrap

**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

CERAMICS