

# Preparation Technology for Sand-Lime Bricks

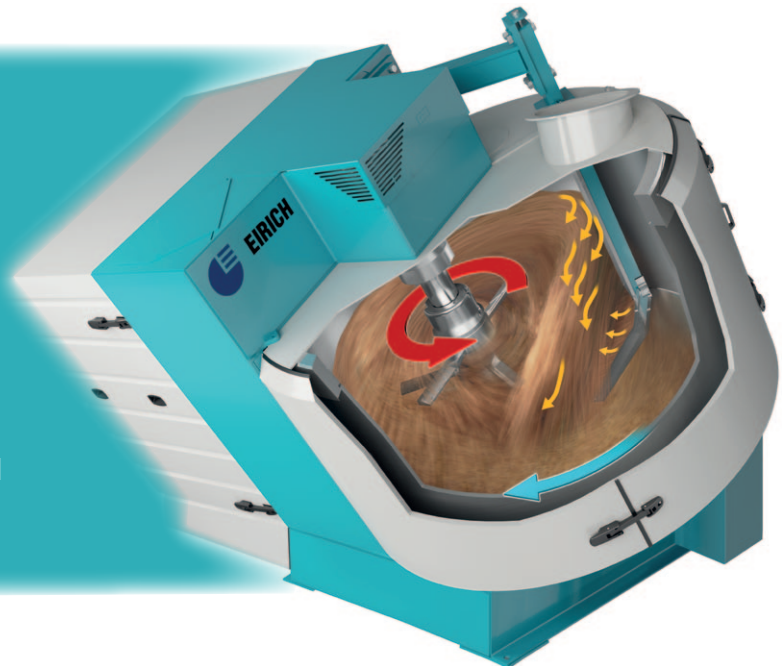
for premixing and follow-up mixing

## The unique working principle

**Rotating mixing pan**  
for material transport

**Variable-speed mixing tool, slow to fast**  
for mixing, kneading and disagglomerating

**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
- During premixing, medium tool speeds allow
  - water to be distributed completely
  - quicklime to be intensively wetted and activated
  - grains of sand to be evenly coated with quicklime suspension / hydrated lime
- During secondary mixing, high tool speeds allow
  - agglomerates to be disintegrated perfectly
  - pigments to be admixed streak-free
  - clay and loam agglomerates to be disintegrated perfectly

### Further advantages:

- Short mixing times
- Constant automatic correction of water addition and sand or lime addition

- Sand moisture measurement with correction programs
  - sand / water correction (moisture measuring in the silo)
  - lime / water correction (moisture measuring in the mixer)
- Mixers, scales and control system of own production
- System design and processing completely by our own company, from the first draft up to the turnkey system
- During secondary mixing, even continuous mixing of high quality is possible

### EIRICH customers report their experience:

- Savings on quicklime at constant strength properties
- When producing colored bricks, scrap due to surface defects is reduced substantially
- During secondary mixing, even partial quantities can be mixed in 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.**