



# EIRICH

## The EIRICH Intensive mixer

- **Mixing**
- **Granulating\* / Pelletizing / Agglomerating**
- **Kneading / Plasticizing**
- **Dispersing / Slurrying**
- **Hydrophobing**

### For all applications in all industries

- if difficult mixing tasks have to be handled
- if a high mixing quality is important
- if scrap has to be reduced

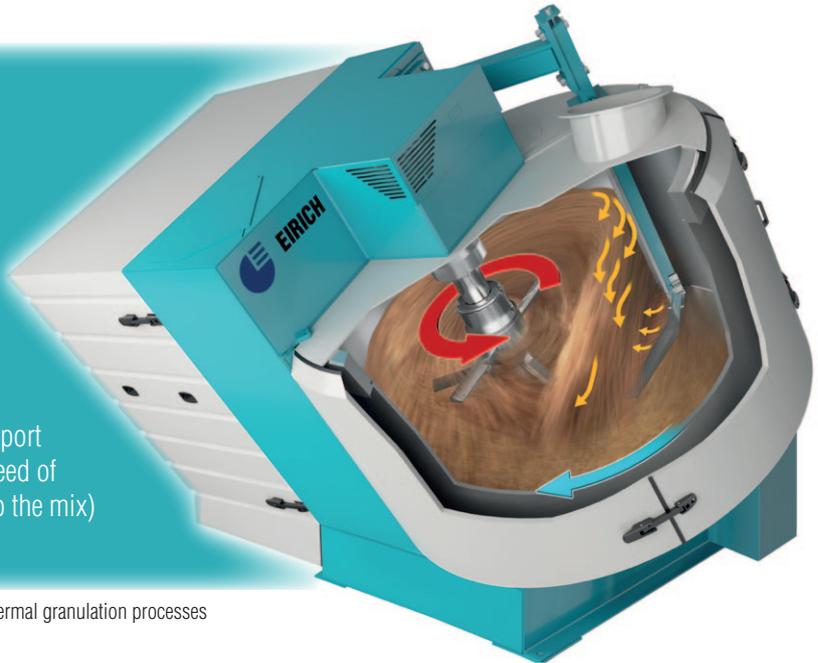
### The unique working principle

**Rotating mixing pan**  
for material transport

**Variable-speed mixing tool,  
slow to fast**  
for mixing, granulating,  
kneading, dissolving

#### The effect

The separation between material transport and the mixing process allows the speed of the tool (and thus the power input into the mix) to be varied within wide limits.



\*also as cost-saving alternative in comparison with thermal granulation processes

### This working principle offers the following options:

- The mixing tool can be run variably, at low or high speed
- The power input into the mix can thus be adapted specifically to the process material
- "Hybrid" mixing processes become possible, e. g. slow - fast - slow
- High tool speeds allow, for instance
  - fibers to be disintegrated optimally
  - pigments to be ground perfectly, fine components to be mixed optimally
  - suspensions to be produced with a high solids content
- Medium tool speeds allow high-quality mixtures to be produced
- Low tool speeds allow lightweight aggregates or foams to be mixed-in gently

- The mixer mixes without demixing effects; 100 % material circulation during one rotation of the mixing pan
- Optimal mixing effects without using high-speed rotating choppers
- Various consistencies can be processed in one and the same mixer
- Already short mixing times result in high mixing qualities

### EIRICH customers tell from experience:

- Materials of any kind and consistency are prepared in short time and high quality
- Bonding agents and pigment amounts can often be reduced (better distribution)
- Scrap is reduced substantially
- Considerably less wear compared to other mixers
- Clearly higher availability

**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.**

**Eirich Machines, Inc.**

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**MIXING TECHNOLOGY**