

# Granulation technology for solid fertilizers

- **Mineral fertilizer** (e.g. NPK fertilizer)
- **Organic bio-fertilizer**
- **Organic-mineralic fertilizer**
- **Soil improver** (e.g. lime, bentonite, diatomaceous earth)

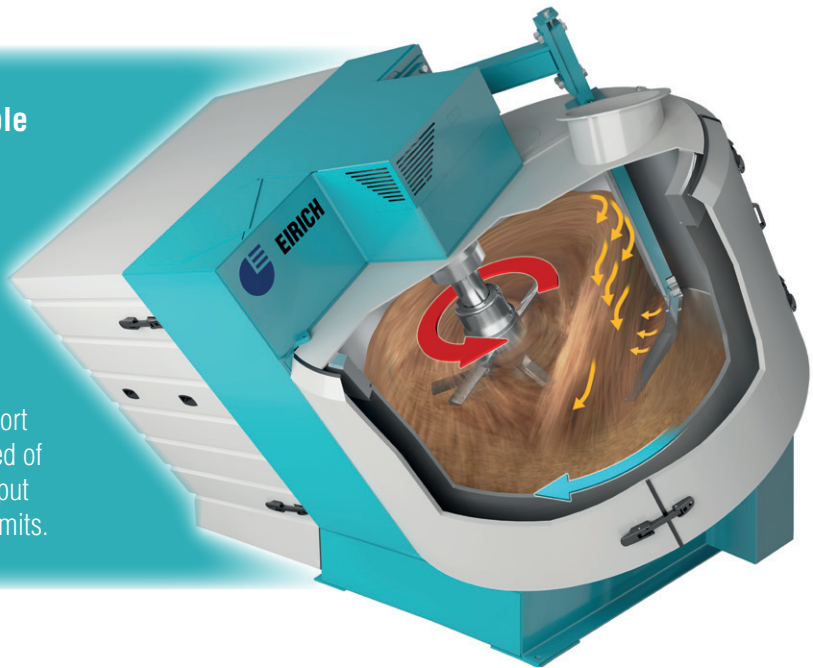
## The unique granulating principle

**Rotating mixing pan**  
for transporting the mix

**Variable, slow to high speed mixing tool**  
for adjusting the grain spectrum

### The effect

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



### This granulation principle offers the following options:

- The mixer is suitable for homogenization, granulation and coating
- Even micronutrients are optimally distributed
- Liquid components are admixed easily and quickly
- Use of secondary raw materials in kind of filter cake, sludge or saline solutions possible
- Raw materials with various densities and particle sizes can be mixed and granulated without difficulty

### Further advantages:

- Closed granulating process  
(no emission of respirable dust or aerosol)
- Fully automatable, short process times

- Coating with colorants, anti-sticking or hydrophobing agents
- Targeted production of long term fertilizers
- Water added directly or in kind of drizzle or saturated steam
- Optimal integration of plant or animal fibres
- Only one mixing tool for mixer sizes from 1 liter up to 3,000 liters

### EIRICH customers report their experience:

- Easy cleaning, no material adhesion on the mixing pan wall
- Constantly uniform grain size distribution
- Flexible formula management
- Low maintenance and low wear costs

**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.**