

# Preparation Technology for Sintered Metal

- **Spraying compounds (in  $\leq 30$  minutes)**
- **Press bodies of suspensions**

## The unique working principle

### Rotating pan

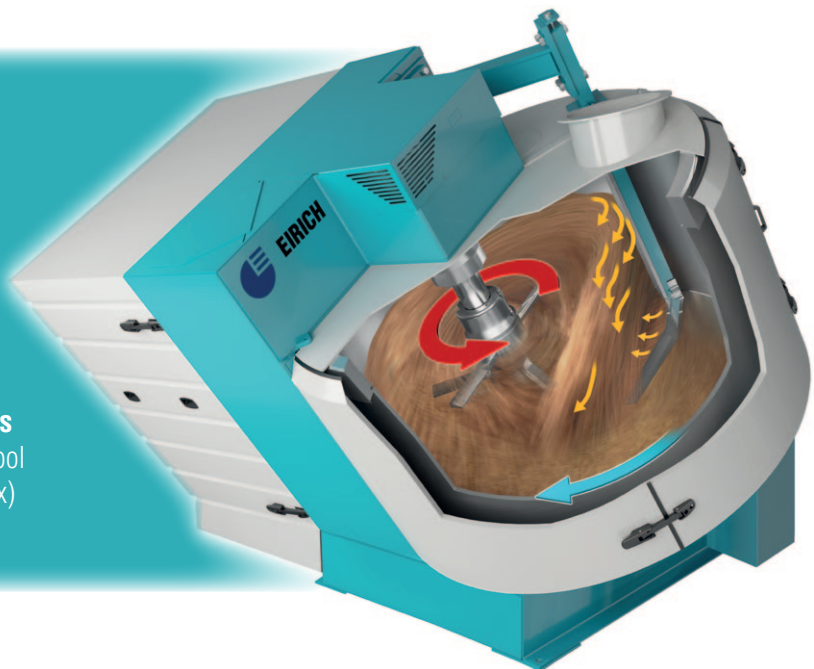
for material transport

### Variable-speed mixing tool, slow to fast

for mixing, kneading, etc.

### 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:**
- Mixing, granulating, coating, kneading, dispersing in one and the same mixer
  - Effective power input, intensive mixing and kneading work
  - Mixing without segregation of material components
  - Disagglomerating of very fine materials
  - Mixing without dead spaces in the mixer
  - Short process times
  - The design of the system ensures mixing and kneading nearly without contamination through metal abrasion
  - The processing time of spraying compounds is reduced from 5 hours to 30 minutes
  - Fast and easy drying of suspensions without a spray tower ("Rotary evaporator" from 5 liters up to 7000 liters)
  - Metal powder coating even in the ppm range
- Further advantages:**
- Operation under inert gas, vacuum technology, user-defined temperature control (heating, cooling)
  - Material temperatures up to 250 °C are possible

**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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