

# Preparation Technology for Sintered Metal

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

## The unique working principle

### Rotating pan

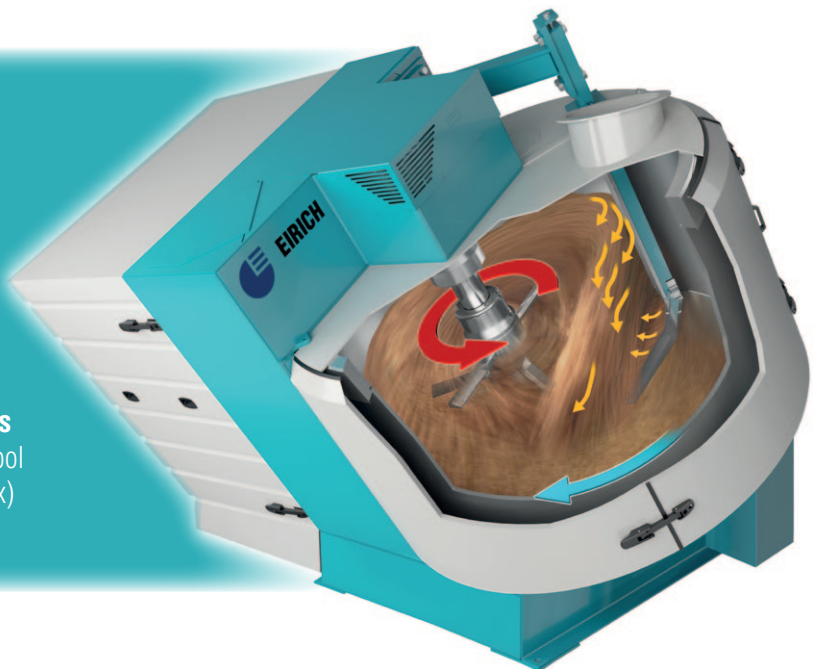
for material transport

### 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.**

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