Preparation Technology for Hardmetal

- Kneading of extrusion mixes
- Vacuum drying of suspensions
- Powder coating with binders and sliding agents

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
- Mixing, drying and kneading nearly
  without contamination through metal abrasion
  (hardmetal tool design available)

Further advantages:

- Plasticizing with paraffin wax / celluloses or
  synthetic polymers within a few minutes
- Vacuum drying, heat input
  by contact heating or friction
- Operation under inert gas or
  explosion protection possible
- Plasticizing / hot coating at
  material temperatures of up to 250 °C

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.