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.

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

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

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.