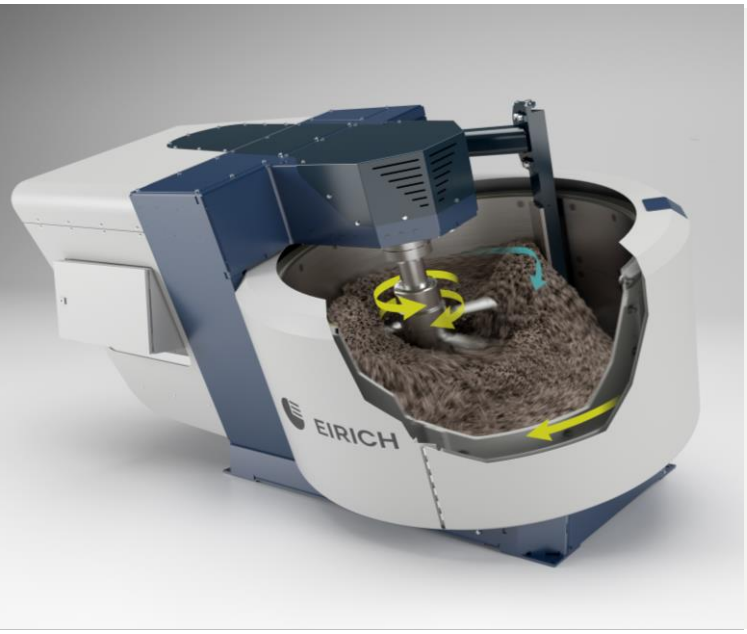
Preparation Technology for Recyclings and Waste Materials

EIRICH

- **Sludges**
- **Filter cakes**
- **Dusts**
- **Ashes**
- **Grounds**

For all applications

- if sludges or filter cakes are to be blended with dusts to form granular material or agglomerates
- if ashes or dusts are to be transformed into granules
- if recyclings are to be mixed with binders
- if contaminated grounds are to be mixed with additives



The unique mixing principle

Rotating mixing pan
for material transport

Variable-speed mixing tool, slow to fast
for mixing

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

This mixing principle enables

- The mixing tool can be run faster than in simple mixing systems
- The power input into the mix can be adapted specifically to the process material
- During one rotation of the mixing pan 100 % material circulation
- Optimal mixing effects without using high-speed rotating choppers
- In comparison with horiizontal mixers, no wear due to product contact on the shaft seals
- Various consistencies can be processed in one and the same mixer
- For mixer volumes of up to 3 m³, only 1 mixing tool necessary

Eirich customers tell from experience

- Materials of any kind and consistency are prepared in short time and high quality
- If contaminated grounds are treated, the amounts of additives can be reduced (better distribution)
- Considerably less wear compared to other mixers
- Clearly higher availability
- No material caking on the mixer shaft, as often observed when using horizontal mixers

Well-known companies worldwide apply the Eirich mixing technology
Examples:

- REMONDIS Industrie Service GmbH, Bramsche: Recycling of aerosol cans
- GEKA Gesellschaft zur Entsorgung von chemischen Kampfstoffen und Rüstungsaltlasten mbH, Munster: Treatment of contaminated soil
- Befesa Zinc Freiberg GmbH & Co. KG
  Agglomeration of zinc-containing dusts, residues and raw materials for waelz processes
- Hüttenwerke Krupp-Mannesmann GmbH (HKM):
  Reprocessing of any applicable sludge and dust, recirculation on a sintering belt
- voestalpine Stahl Linz GmbH:
  Pelletizing of converter dust for the re-use within converters
- Paul Wurth S.A.:
  Agglomeration of residues and raw materials for the PRIMOREC Process
- ThyssenKrupp Steel Europe AG (TKS):
- Taiwan Steel Union CO LTD:
  Reprocessing of any applicable sludge and dust
- Outotec Oyj:
  Agglomeration of steel mill dust

Top-name manufacturers around the world work with Eirich mixing technology.
We would be glad to provide references on request. Eirich is a reserach partner for universities.
Put us to the test. We would be glad to tell you more.

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