Mixing Technology for Concretes

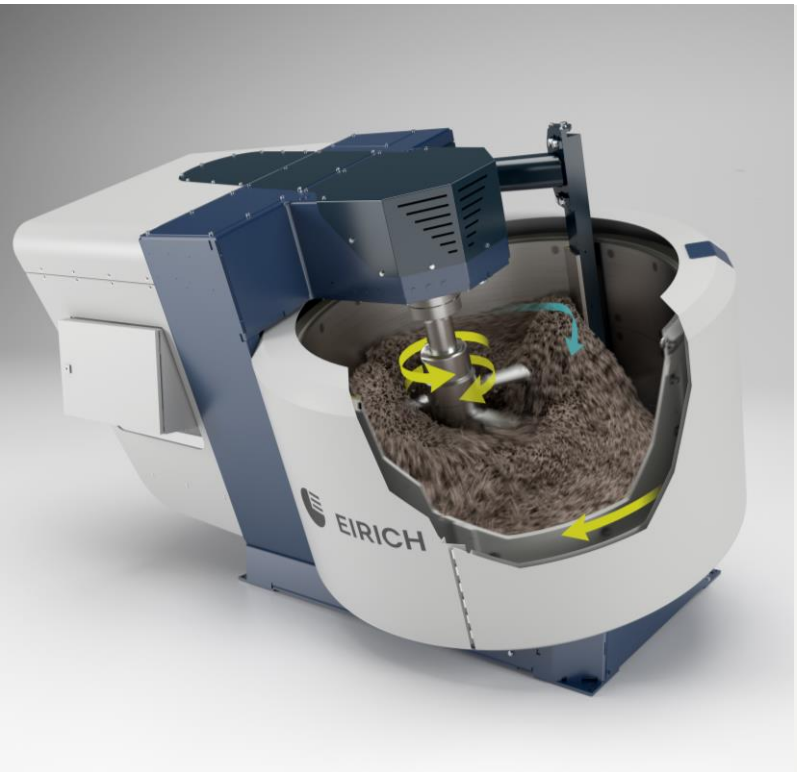
EIRICH

High-grade concretes

- Roof tile concrete
- Facing concrete
- Railway sleeper concrete
- Concretes for drainage channels
- Concretes for slat panels
- Lightweight concrete
- Foamed concrete
- Fiber reinforced concrete
- Polymer concrete

High-performance concretes

- Special concretes
- HP lightweight concrete
- HP fiber concrete
- Self-compacting concrete
- High-strength concrete
- Ultra high-performance concrete
  - from stiff to self-compacting
  - with any grain-size
- Suspension concrete



The unique working principle

Rotating mixing pan
for material transport

Variable-speed mixing tool, slow to fast
for mixing

Seperation 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:

- The mixing tool can be run variably, at low or high speed
- The input of power into the mix can thus be controlled specifically
- High tool speeds allow
  - fibers to be disintegrated optimally
  - pigments to be ground perfectly
  - fine components (e. g. in case of fine-grained concretes) to be mixed optimally
- Medium tool speeds allow high-quality mixtures to be produced
- Low tool speeds allow lightweight aggregates or foams to be mixed-in gently
- For varying formulas, different variable mixing cycles, can be preselected

Eirich customers report their experience:

- Concretes of any kind and consistency are prepared in short time and high quality
- Cement, pigment and admixture amounts can often be reduced (better distribution)
- Water is distributed effectively and quickly; a stable moisture signal is achieved very fast; the mixing times can be reduced considerably
- Scrap – particulary of appearance surfaces – is clearly reduced
- Less fragmentation of coarse-grained lightweight aggregates
- Compared to other mixing systems
  - substantially reduced mixing times
  - perfect disintegration
  - higher fines contents possible
  - improved set concrete properties (strength, durability)
  - reduced consumption of plasticizers
  - fully reproducible mixing processes
  - variable "intelligent" mixing cycles with different speeds possible

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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