



# EIRICH

## Mixing Technology for Polymer Concrete

- Aggregates of any grain size and density can be used
- Easy intermixing of organic or inorganic fibers
- Easy intermixing of ultra-fine materials
- More aggregates can be mixed in, reduced need for synthetic resin
- No premixing of resin and hardener required

### The unique working principle

#### Rotating pan

for transporting the process material

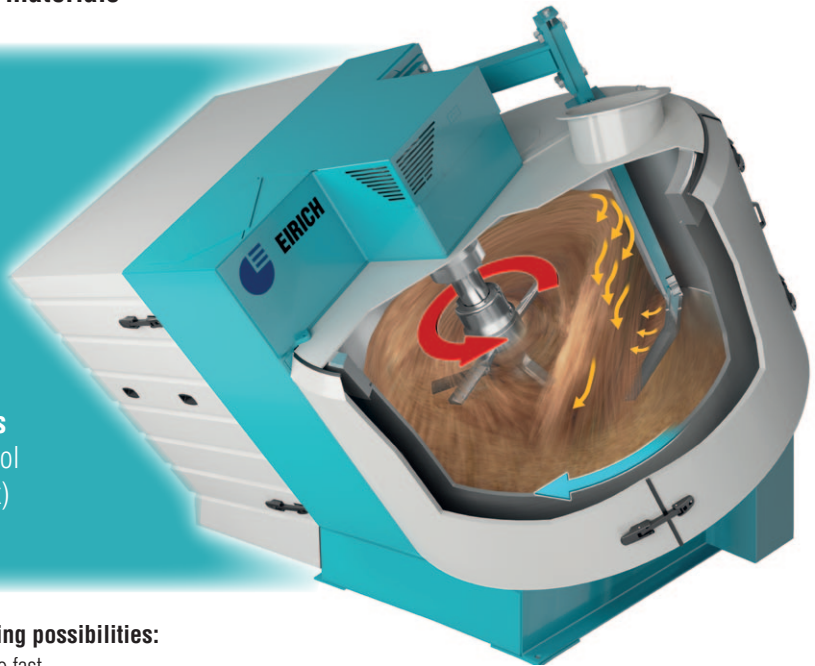
#### Variable speed tool

slow to fast

for mixing, kneading, homogenizing

#### 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 possibilities:

- The mixing tool can be varied from slow to fast
- The input of mixing energy into the mix can thus be controlled efficiently
- Solid and liquid components are mixed in easily and quickly
- Binders are optimally distributed, therefore often smaller amounts need to be added
- Optimal separation of agglomerates and fibers
- Difficult additives (such as coloring pigments or graphite) are also mixed in without any problems at higher speeds
- It is possible to mix in breakable lightweight aggregates at slower speeds
- No product-contacting shaft passages that are susceptible to wear
- For machine sizes ranging from 1 to 400 liters, it is possible to retract the mixing tool from the mixer. The mixing pan is easily accessible.

#### Other advantages:

- No dead zones in the mixer
- Short process times
- Only 1 mixing tool for mixer sizes from 1 liter up to 3,000 liters
- Cooling in the mixer is possible, if required to a precision of within +/- 1 K
- Resin and hardener are added directly during the mixing process
- Fewer mixing tools which run close to the bottom or the wall are needed with this design resulting in far less wear



**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 look forward to telling you more.**

**Maschinenfabrik Gustav Eirich GmbH & Co KG**

Postfach 11 60, 74732 Hardheim, Germany

Phone: +49 6283 51-0, Fax: +49 6283 51-325

E-Mail: [eirich@eirich.de](mailto:eirich@eirich.de), Internet: [www.eirich.com](http://www.eirich.com)

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