

Preparation of glass batches

Better, more homogeneous batches with shorter mixing times thanks to the Eirich Intensive Mixer

- Excellent batch quality
- Reliable
- Low maintenance





**Globally unique
mixing principle**



Batch homogeneity The key to glass quality

Glass batches primarily consist of a large number of individual components. These components can vary greatly from each other, for example in terms of their:

- Proportions in the recipe
- Bulk weight and/or specific weight
- Particle size distribution
- Grain shape
- Solubility and/or wettability
- Tendency to agglomerate

The main requirement placed on the mixing unit is that it should produce a batch combining maximum homogeneity with preferably a low tendency to demixing. Eirich Intensive Mixers are high-performance machines that are specially tailored to the needs of the glass industry. They will help you to deliver outstanding results for all tasks in terms of batch homogeneity, availability, and cost effectiveness.

And this both at laboratory scale (for development tasks and testing) and at production scale.

The mixing technology is the key

The Eirich mixing principle with its special characteristics of a

1. rotating mixing pan
2. rotating mixing tool
3. stationary multi-purpose tool as a material deflector and bottom/ wall scraper has been proved to produce the best batch quality.

Advantages of the Eirich design

- Good accessibility to all units (no drives in the mixing chamber)
- Small number of mixing tools
- Easy to replace wear parts
- Task-specific choice of materials
- Long service life thanks to low wear (reduced contamination of the batch)
- High throughput rate
- Easy to clean

Tried-and-tested accessories

- Stationary steam lance for batch heating
- Application-specific protection against wear





Our range

These mixers are available with a usable volume ranging from 1 liter in a laboratory mixer to 12,000 liters in a production machine.

Proven and pioneering preparation technology

- Increased system output thanks to shorter mixing times
- Reduced waste through improved batch homogeneity and disagglomeration
- The Eirich Mixer optimizes the blending of small components during preparation of the premix and is a more cost-effective solution in comparison to simple mixing systems.
- Increased system flexibility through direct addition of small and very small components in an Eirich Main Mixer
- Pelletizing of dust, raw materials, and batch reduces potential demixing during transport and lowers the dust burden in the feeder and pan area, as well as reducing the required melting energy
- Sequential mixing for efficient melting
- Continuous mixers for remixing and moistening directly before the feeder

Would you like to find out more?

Then please get in touch!



The Eirich Group, with Maschinenfabrik Gustav Eirich as its strategic center in Hardheim, is a supplier of machinery, systems, and services for industrial mixing, granulating/pelletizing, drying, and fine grinding. Our core expertise is in the field of processes and techniques used for the preparation of pourable materials, slurries, and sludges.

We are a family-run company that operates 15 sites around the world.

You can find more information at:

www.eirich.com