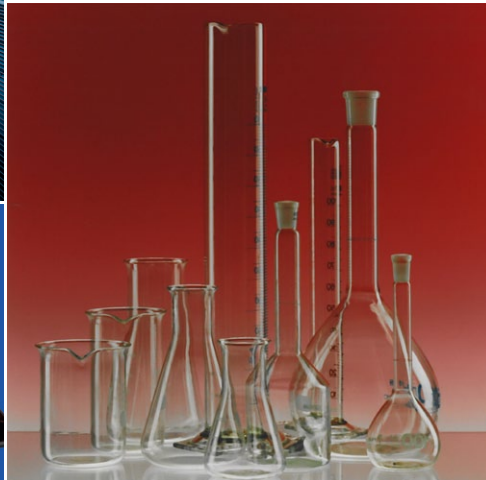
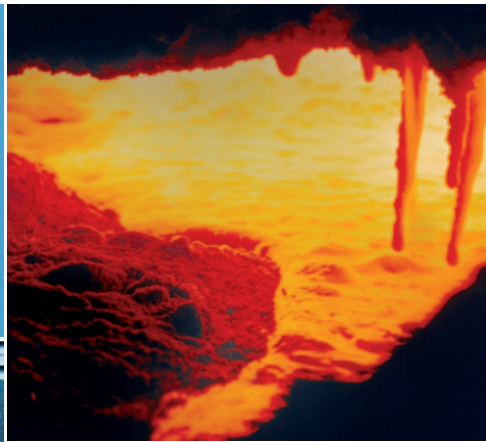


# Preparation of Glass Batches

**EIRICH intensive mixers produce batches of  
greater homogeneity in shorter mixing cycles**



- excellent batch quality
- reliable operation
- low maintenance

# The key to quality glass: A homogeneous batch.

Glass batches consist of many individual components which in some cases differ considerably in terms of their ratio in the formula,

- bulk density or specific density,
- particle size distribution,
- grain form, solubility and wetting characteristics,
- tendency to form agglomerates.

The main function of the mixing machine is to produce a batch of optimum homogeneity and lowest possible demixing tendency. EIRICH intensive mixers are high performance machines adapted to the specific requirements of the glass industry. Whatever your application, with EIRICH intensive mixers you will achieve excellent results in terms of batch homogeneity, availability and economy. Be it in production or for development and/or test purposes in the laboratory.

## It's all in the mix!

The EIRICH mixing principle with its special characteristics

- rotating mixing pan
- rotating mixing tool (rotor and/or shear depending on the application)
- stationary multi-purpose wall-bottom scraper produces a verifiable better homogeneity of the mix.

## Design advantages

- Good access to all components (no drives inside the mixing chamber)
- Low number of mixing tools
- Easy replacement of wear parts
- Application-specific choice of materials
- Long service life thanks to low wear (less contamination of the batch)
- High throughput rate
- Easy cleaning

## Practice-proven accessories

- Stationary steam lance to heat the batch
- Individual wear protection

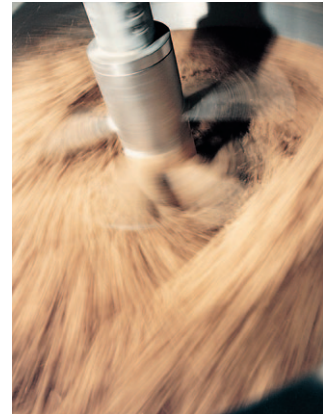
## The range

The range of effective volumes is 1 l for laboratory mixers up to 12000 l for production machines.

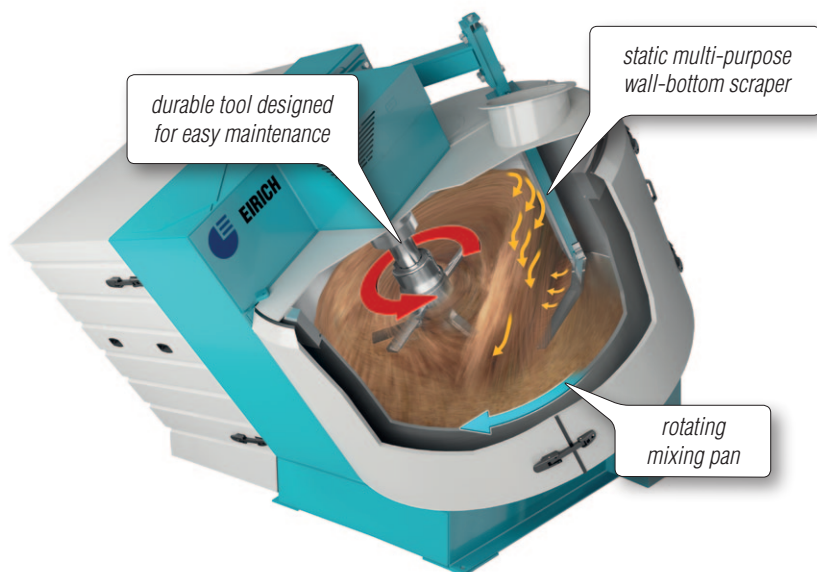
## Proven and trend-setting preparation technology

- Shorter mixing times increase the plant output
- Less reject due to improved homogeneity and de-agglomeration
- Replacement of simple mixing systems optimizes the premixing of minor components at low investment cost
- Direct addition of small and minor components into an EIRICH master mixer increases the flexibility of the plant
- Pelletizing of dust, raw materials or batch reduce
  - demixing during transport
  - dust development at the batch charger and the melting furnace area
  - melting energy
- Sequential mixing for efficient melting
- Continuous mixers for secondary mixing and moistening directly upstream of the batch charger

**If you have any further questions regarding glass batch preparation, please contact us! We shall be glad to assist you.**



Product flow in the EIRICH intensive mixer



Mixing principle of the EIRICH intensive mixer