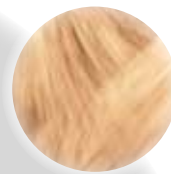


# EIRICH Laboratory Mixer Type EL1

The versatile 1-liter-mixer



**Mixing**



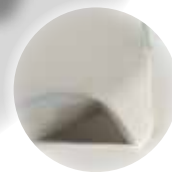
**Pelletizing**



**Coating**



**Kneading**



**Dispersing**

# EIRICH Laboratory Mixer EL1

**Flexible high-performance mixing system for challenging tasks in the fields of research, development and small-scale production**



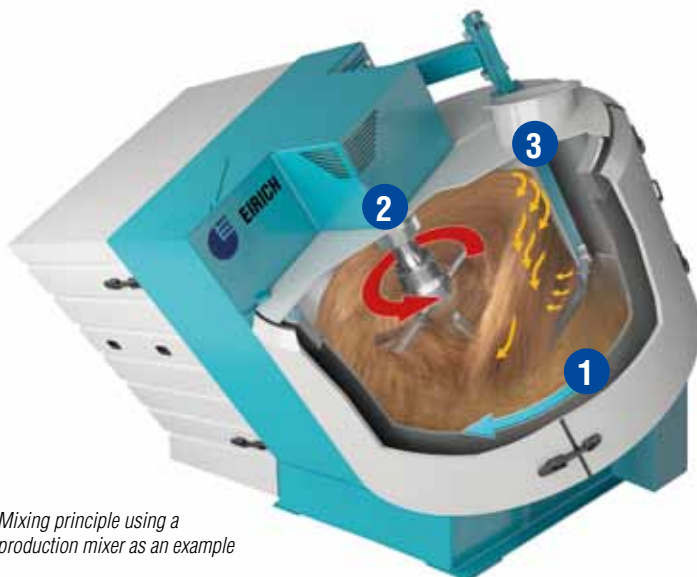
Process materials from dry to plastic and pasty can be processed.

## **Applications**

The multi-functional mixing system can be used for many different applications, e.g. for mixing, granulating, coating, kneading, dispersing, dissolving, defibering and many more.

## **The advantages**

- The mixer mixes without demixing effects; 100 % material circulation during one rotation of the mixing pan
- Optimal mixing effects are achieved with only one mixing tool
- Various consistencies can be processed in the mixer
- High mixing quality are reached even with short processing times
- Industrial scale-up of test results is possible



*Mixing principle using a production mixer as an example*

## **Mixing principle**

A **rotating and tilted mixing pan (1)** with an eccentrically arranged **mixing tool (2)** produces optimum mixing results in the shortest possible time. In the process, **the fixed scraper on the wall (3)** performs the cleaning of the mixing pan wall and promotes the movement of the process material.

Thanks to the different geometries of the interchangeable mixing tools and the option of varying their speed within wide limits, the system setup can be perfectly adjusted to meet the needs of completely different tasks and consistencies.

# The small allrounder

## Features of the basic equipment

- Mixing pan: polyamide, capacity 1 liter
- Mixing tool: Star-type rotor, made of stainless steel
- Touch screen operation and display terminal for
  - Infinitely variable tool speeds from 2 up to 30 m/s in both directions of rotation
  - Rotating speed (mixing pan)
  - Power (mixing tool)
  - Temperature
  - Time
- Temperature measurement via hand sensor with value display on control screen
- Adjustable inclination 0°, 10°, 20° and 30°
- Multi-range voltage from 100 V to 240 V AC
- USB interface for reading the operating data

## Additional options

- Mixing pan: INOX
- Pin-type rotor instead of star-type rotor
- Wear protection via armoring for pin-type rotor or star-type rotor
- Micro-granulation rotor with tungsten carbide wear protection
- Funnel for addition of liquids
- Set of accessories with various items like powder funnel, measuring beaker etc.
- Transport case with trolley function and compartment for accessories
- Instruction and training at the EIRICH Test Center in Hardheim

## Weight/dimensions

Empty weight: 46 kg

Dimensions (mm):

D = 565, D (open) = 600,

W = 410, H = 510, H (open) = 675



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Pursuing a corporate philosophy of operating internationally and thereby ensuring close proximity to every customer, the EIRICH Group has secured its place in all the key economic regions of the world.

The focus is on innovative technology for machinery and systems engineering designed to offer solutions for high-standard preparation tasks from a single source.

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