

# EIRICH Intensive mixer Type R01

for highest requirements in  
research and development

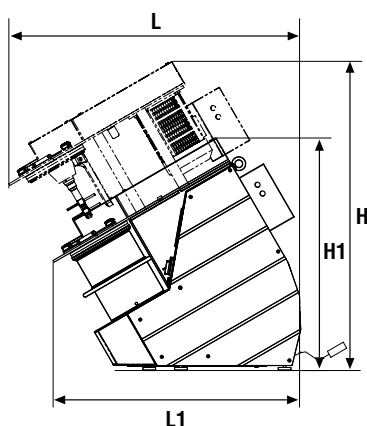


- 
- versatile
  - powerful
  - reliable
- 



Type		R01	RV01
<b>Capacity*</b>	liter	3-5	8-10
	max. kg	8	12
<b>Weight</b>	kg	190	240
<b>Pan</b>	diameter (mm)	138	235
<b>H / H1</b>	mm	1220/920	1220/920
<b>L / L1</b>	mm	1150/960	1150/960
<b>Width</b>	mm	630	630

\*product-specific \*\*optional



A flexible high-performance mixing system for demanding mixing tasks in the fields of development and low-volume production with improved features and ergonomics

### Mixing system

A driven, rotating and inclined mixing pan with a mixing tool which rotates eccentrically at high speed generates optimum mixing results in the shortest space of time. In the process, the fixed wall scraper cleans the walls of the mixing pan and assists the vertical movement of the product.

Exchangeable mixing tools with varied geometries (star-type rotor, pin-type rotor) enable the setup to be optimally matched to a wide range of tasks like mixing, granulating, kneading and dispersing. With fully variable tool speeds ranging from 1 m/s to up to 30 m/s and powerful motorisation, the machine can effortlessly process product consistencies ranging from dry to pasty and stiff-plastic.

### Emptying

For emptying, the mixing pan can be taken off the machine frame by means of a quick release mechanism. To do this, the mixing tools are lifted up with electric motors.

### Drives/motors

#### Mixing pan:

Helical-worm geared motor with infinitely variable speed via integrated frequency converter

#### Mixing tool:

Infinitely variable speed, transmitted from a standard motor with integrated frequency converter via V-belts running on pulleys

#### Drive power:

Mixing pan: 1.1 kW max.  
Mixing tool: up to 4.0 kW

### Service/cleaning

All bearings are lubricated for service life and are maintenance-free. Parts which come into contact with mixed product are made from stainless steel as standard and are easy to clean.

### Control system

#### Integrated machine controls (standard)

- Process control with PLC and Profibus DP interface, integrated in the machine frame
- Fully-graphic 5.7" touch panel
- User-friendly user interface with pre-selectable operating parameters and alphanumeric display of current machine data like speed, motor output, torque, temperature\*\*
- Fault message indication in plain text

#### Standalone operating and control terminal with a laboratory PC for fully automated control with graphic display (optional)

- Visualisation PC with 15" TFT colour touchscreen display
- Aluminium front panel with a stainless steel cover on the rear
- Industrial keyboard, stainless steel design
- Protection system IP 65
- Interfaces: 2x COM, 2x USB, 1x Ethernet
- Operating system: Windows XP Embedded
- Expanded user-friendly graphical user interface

- Multi-stage, freely definable mixing instructions with fully automated process sequence
- Graphic trend indications and recording of all operating parameters
- Data export via USB interface for further processing in MS Office applications

#### Further options:

- Mixing pan heating for mixing product temperatures of up to 180 °C
- Measurement of mixing product temperatures
- Iron-free version with plastic-lined mixing pan and mixing tool made of solid carbide
- Ex-proof version available for mixing products with increased risk of explosion (up to zone 0/20)

