CleanLine C50
Multifunction processor for the food industry

Mixing
Granulating
Kneading
Dispersing
Coating
CleanLine C50 – the multifunction processor

The CleanLine type series is a completely new development by EIRICH for the food industry. The multifunction processors are designed to meet the highest quality standards and deliver optimum product results. The special feature of these processors is that

- **Main applications:**
  Mixing, granulating, kneading, dispersing, coating
  - For the highest quality demands on the processing results
  - Combination of different processes in only one machine, single-pot process

**Best results with many applications, e.g.:**
- Granules of top quality with maximum influence on the granule properties (size, yield, porosity)
- Dry and wet dispersing with maximum disagglomeration
- Processing of high to low-viscosity kneaded bodies with specific energy input and reproducible quality parameters.
- Optimum mixing quality without demixing effect

**Benefits**
- It offers all the advantages of the unique and proven EIRICH working principle. This enables variable and specific energy input by decoupling the transport of the mixed material (rotating mixing pan) from the mixing process (mixing tool).
- Continuous cleaning of wall and bottom by means of a guided wall scraper
- Controlled product flow from feeding to discharging
- Designed for easy cleaning and short set-up times.
several process operations can be carried out as a single-pot process in only one unit. The C50 has an effective capacity of 50 liters.

Technical features
- Effective capacity: 50 liters
- 95° position of the mixing pan for easy cleaning and maintenance
- Easy disassembly of components in a few quick steps
- Process connections available according to customer requirements
- FDA conformity and 3.1 certificate as per EN 10204 available for all product-contacting materials
- Premium touch control panel for easily setting all operating parameter and displaying current machine data
- Explosion-proof versions for gas and dust available on request

Basic features
- Mixing pan
- Mixing tool and wall scraper
- Metallic process surfaces Ra <0.8
- Central discharge through outlet in the bottom
- FDA conformity and 3.1 certificate as per EN 10204 available for all product-contacting materials
- Premium touch control panel for easily setting all operating parameter and displaying current machine data
- Explosion-proof versions for gas and dust available on request

Options
- Heating and cooling possible during processing
- Different designs of the mixing tool depending on application and task.

CleanLine C50 for the food industry

Foodstuffs
Granulation: $d_{50}$ in the range of 200 µm to 5 mm, dense or porous structure, e.g. soluble instant drinks and soup granules

Functional ingredients
Coating, protective layers e.g. baking powder
Premium Touch Control – the user-friendly control system

- Easy to read operator panel with high-resolution display
- User-friendly touch screen interface for setting the operating parameters and displaying current machine data and information such as tool speed, motor output, torque and temperature
- Display of time-limited online trends in measurement diagrams
- USB interface for external recording of measurement data

Technical Data

<table>
<thead>
<tr>
<th>Type</th>
<th>Batch capacity</th>
<th>Drive pan</th>
<th>Drive rotor</th>
<th>Drive lifting device</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>C50</td>
<td>liters kg max.</td>
<td>kW</td>
<td>up to kW max.</td>
<td>kW approx.</td>
<td>kg approx.</td>
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<td>4</td>
<td>38</td>
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