

Laborsystem

mixing dispersing emulsifying homogenizing dosing



● Your requests are our challenge. ● As a team we will find a solution that suits you best. ● Rely on our experience gathered throughout many years of customer oriented work and profit from our expertise. ● Our machines and systems have set new quality standards in every aspect.

PC Laborsystem GmbH has specialized in the development, production and sale of customized mixing, dosing and filling systems in a laboratory to half technical scale. Our high quality mixing machines are especially suited for medium to high viscous products, and have been developed according to the latest mixing technology.

The ideal combination of torque and rotating speed allows the processing of both fluid and solid materials. Optimized tools for different applications guarantee best processing results.



Our Systems:

- **Dispersers**
- **Multi-shaft dispersers**
- **Planetary dispersers**
- **Planetary mixers**
- **One-shaft-mixers**
- **Multi-shaft mixers**
- **Combined-mixing systems**
- **Dosing systems**

Size:

- from 0.3 to approx. 100 liters

Possible components and executions:

- Various mixing vessels
- For operation under vacuum
- Heating/cooling jacket fixed on mixing vessel
- Product outlet fixed on mixing vessel
- Measuring of temperature in product mass
- Measuring of temperature on heating/cooling jacket

Control:

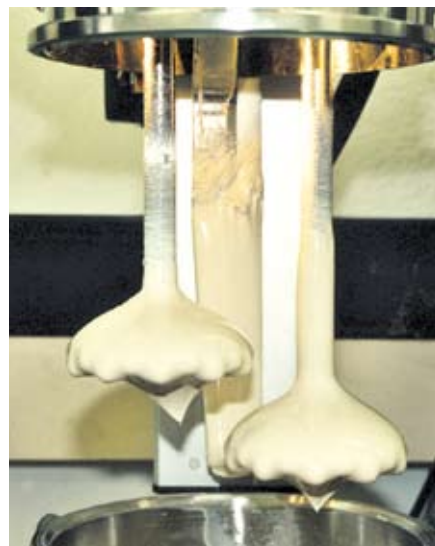
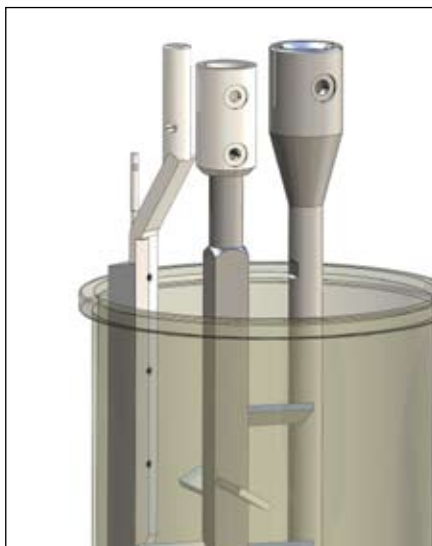
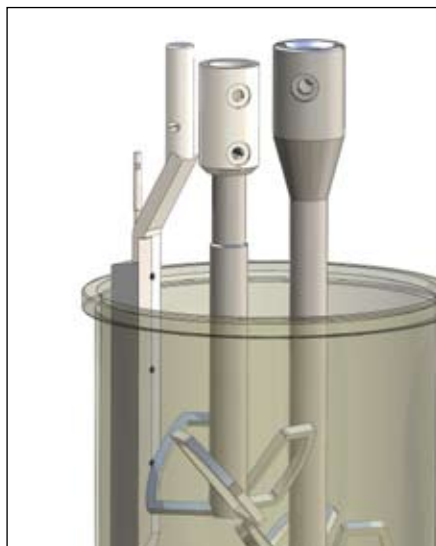
- Standard including various digital displays
- Data registering
- Process control

Additional components:

- Various devices such as funnels, charging tubes etc. for adding raw materials.

A selection of our customers:

3M ESPE AG, Germany; **Akzo Nobel Deco International AB**, Sweden; **ARDEX Anlagen GmbH**, Germany; **Avio S.p.a.**, Italy; **BASF AG**, Germany; **Bayer AG**, Germany; **Bredent GmbH & Co. KG**, Germany; **Chemetall GmbH**, Germany; **DELO Industrieklebstoffe GmbH & Co.**, Germany; **Deltamed GmbH**, Germany; **Deutsche Hutchinson GmbH**, Germany; **Dow Chemical Japan Limited**, Japan; **Dreve ProDiMed GmbH**, Germany; **Fraunhofer Institut für Silikatforschung**, Germany; **Henkel AG & Co. KGaA**, Germany; **Heraeus Kulzer GmbH**, Germany; **Hilti Entwicklung GmbH**, Germany; **Mapei**, Italy; **Momentive Performance Materials**, Switzerland; **OSRAM Opto Semiconductor Sdn. Bhd**, Malaysia; **Polytec GmbH & Co. KG**, Germany; **Shell Global Solutions (DE) GmbH**, Germany; **Sicpa SA**, Switzerland; **Sika Automotive GmbH**, Germany; **tesa AG**, Germany; **Uzin Utz AG**, Germany; **Wacker Chemie AG**, Germany; **Wacker Chemicals Trading (Shanghai) Co.**, China; **Wevo Chemie GmbH**, Germany



Process controls:

The recipes, i.e. the desired operational parameters are entered in the PC. The data is then transferred to the mixing machine, and the corresponding processes are executed automatically.

After termination, the actual data of the mixing processes are transferred back to the PC and may be analyzed in graphs or tables

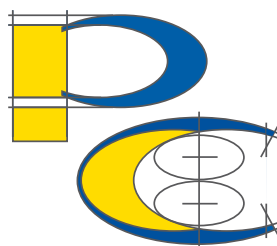


The pressing units built by PC Laborsystem can be delivered as manual operated or hydraulic operated systems. They are designed for a pressure of up to 15 bar on the product, are suited for middle to high viscous products and vessel sizes of up to 400 mm in diameter.

OUR SERVICE INCLUDES:

- Competent consultation on processing techniques and mixing systems (this service is free of charge)
- As a service to our customer we offer the installation of our machines at your site
- customer training
- 24-hour-service for spare parts
- Maintenance (maintenance contract)
- Being an independent enterprise we offer consultancy service for production systems (charged according to expenditure of time and expenses)

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Laborsystem

The Specialists for Customized Laboratory Mixing and Dosing Systems.