

# PLOUGHSHARE® MIXER L 50 FOR LABORATORY, RESEARCH AND SMALL SCALE UP



- Highest quality mix in short mixing time
- Gentle treatment of the product
- Reliable scale up to production machine sizes
- Reproducible mix quality
- Maximum availability
- Easy accessibility to all inside parts of the mixer
- Wide range of optional equipment



The technical parts of the mixer are cleanly separated and easily accessible



L 50 equipped with feeding funnel

### Laboratory Mixer L 50

The Laboratory Batch Mixer operates according to the fluid bed principle mechanically generated by Ploughshare® Shovels and introduced by Lödige to the mixing technology. Equipped with mixing elements, the machine produces mixes of the highest quality which are reproduceable at any time. The shaft is held only in the drive-end bearing. The endplate at the non-drive end is hinged and can be opened for accessibility to all inside parts of the drum. The housing in standard design allows the use of various drums and shafts. The sliding housing ensures free accessibility to all technical parts. The mixer has a total volume of 50 l and a working volume of 15 - 35 l.

### Application

The Laboratory Mixer is designed for development and small scale production in - among others - the following industries:

- Pharmaceuticals
- Cosmetics
- Chemicals
- Food
- Basic materials/ Minerals
- Environmental
- Building materials
- Molding compounds

### Standard Features

- Swivelling front plate
- Mixer shaft rotation speed adjustable continuously
- Control unit integrated into mixer housing
- Table top desing (optional mixer support)
- Mixer and housing in stainless steel
- Mixer completely assembled and tested
- Ready for use
- Collet for interchangeable mixing drum sizes
- Product temperature measurement

### Options

- Heating/ cooling jacket
- Dust-free feeding device
- Mixing tools and chopper available in diverse execution
- Perfectly suited sealings for shafts and discharge doors