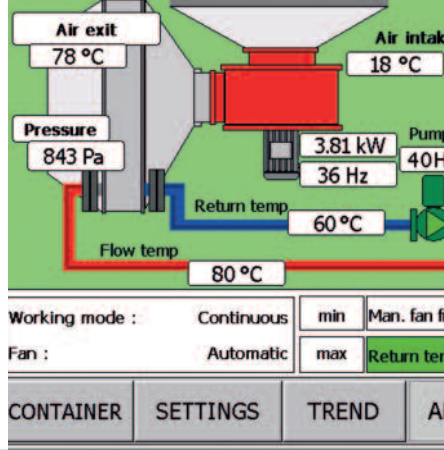


L-ENZ

**The dryer for
bulk solids**



Innovations



LAUBER
DRYING TECHNOLOGY

L-ENZ

The dryer

Available range of heating capacities:
50 kW – 1,2 MW thermal



We supply standard sizes with heating capacity of 80 kW / 150 kW / 280 kW / 370 kW / 650 kW / 800 kW / 1000 kW



L-ENZ dryer can be combined with:

- ✓ LAUBER drying containers
- ✓ Trailers
- ✓ Drying boxes for vehicular access
- ✓ "Continuous working dryers" each with special ventilation bottom

L-ENZ dryer for:

- ✓ Wood chips
- ✓ Firewood logs
- ✓ Recycling materials
- ✓ Wood shavings
- ✓ Agricultural products like grain, grain maize, hay bales, horse manure etc.
- ✓ Digestate, sludge ...





LAUBER drying containers



- ✓ In comparative dryings the LAUBER containers achieve shortest drying times and best drying results
- ✓ Equal air flow inside the containers results in a drying process with very little disparity in moisture content of the bulk solids
- ✓ LAUBER containers have installed air baffles inside the ventilation bottom for an equal air flow



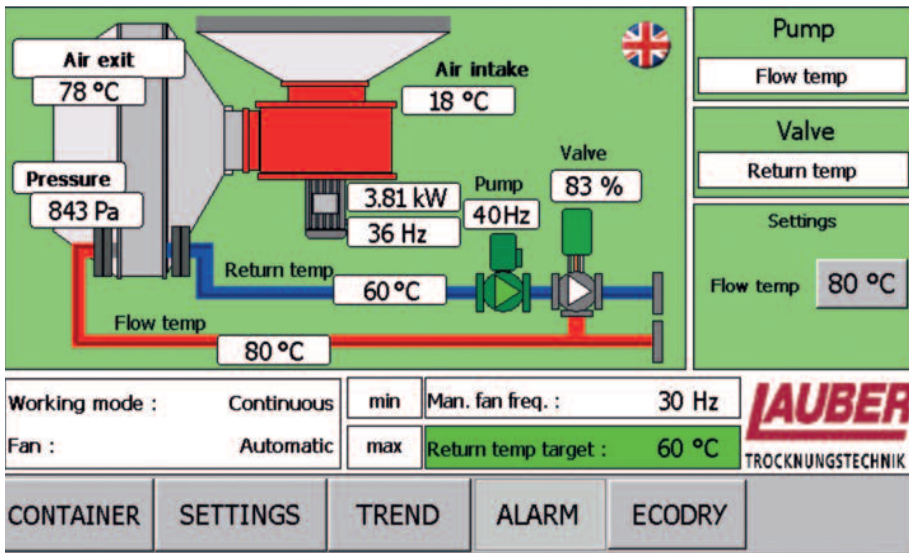
- ✓ Big loading volume of containers because ventilation bottom needs a height of 10cm only
- ✓ Different caps and coverings available
- ✓ Ventilation equipment for trailers and containers provided by customer



L-ENZ

The control system

- ✓ Efficient drying of bulk solids with energy management of the heat grid

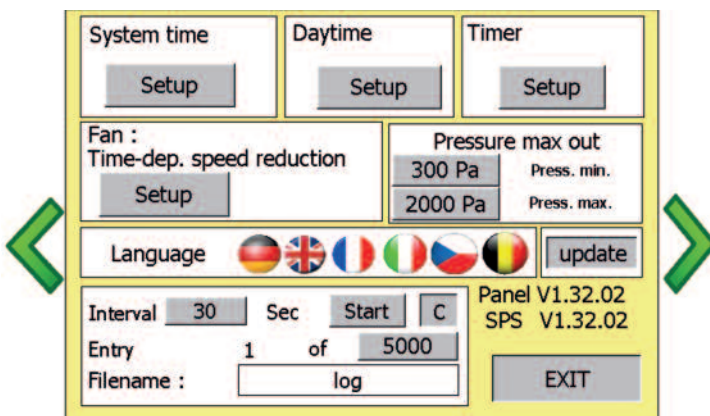
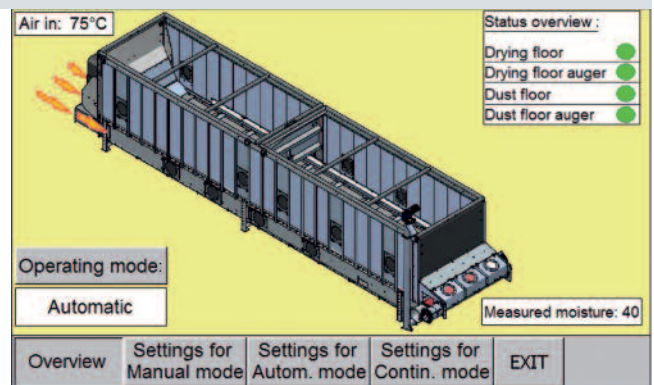


- ✓ Touch panel of L-ENZ dryer for a convenient handling and a clear overview

- ✓ Prepared to connect to a personal computer for remote operation

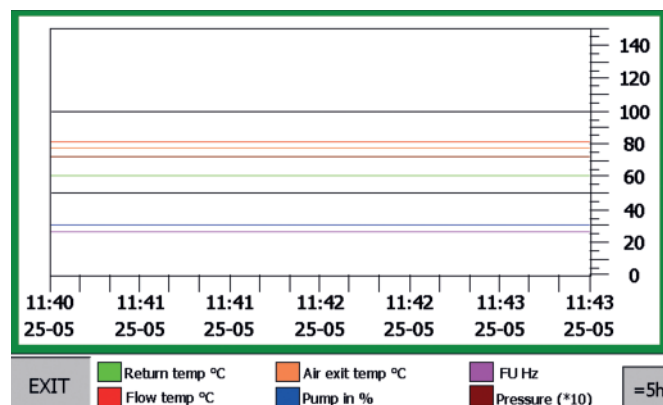
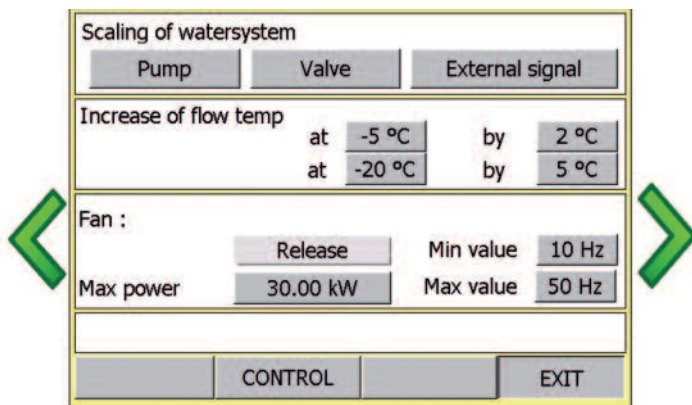
- ✓ Working mode according to return temperature
- ✓ Supervising of flow temperature
- ✓ Automatic use of a surplus of heat
- ✓ Fine adjustment of the control system for almost every regulation requirement

- ✓ Easy connection to shear bottom dryer FLIEGL Ecodyr
- ✓ L-ENZ control system offers full support for Ecodyr; operation as one unit



Integrated energy management for:

- ✓ Biogas units (AD plants)
- ✓ District heat grids
- ✓ Biomass boilers
- ✓ Landfill gas units
- ✓ Biomass heat and power station (CHP)
- ✓ Wood gasification units
- ✓ ORC systems



- ✓ Supervising of flow temperature of the advanced consumer. If flow temperature is below a programmed limit, L-ENZ dryer automatically reduces thermal heating consumption.
- ✓ Heat grid can get higher priority at low outdoor temperatures or at several programmed times.

Convenient use of the control system

- ✓ Complete automatic control system
- ✓ With touch panel
- ✓ Cooling process after drying (e.g. for grain)
- ✓ Remote operation selectable connection to a personal computer possible
- ✓ Work according to external release possible
- ✓ Visualisation and recording of actual values of drying process
- ✓ Chart of drying trend



Energy efficiency

- ✓ Frequency converter for fan and heating pump included
- ✓ Working mode according return temperature
- ✓ Setting of priorities for containers/drying boxes possible
- ✓ Measuring instruments
- ✓ Air speed control (pressure differential)
- ✓ Almost maintenance-free

Operating safety

- ✓ Important consumers will be supplied with water heat preferentially
- Operating principles of the frost protection:**
- ✓ Supervising of all relevant temperatures
 - ✓ Automatic increase of amount of heat
 - ✓ Stop of fan
 - ✓ Collective error message
 - ✓ Closing of anti-freeze air valve (optionally supplied)

L-ENZ

Drying boxes for vehicular access

LAUBER dryer L-ENZ with optimized air channel to ventilate drying boxes for vehicular access

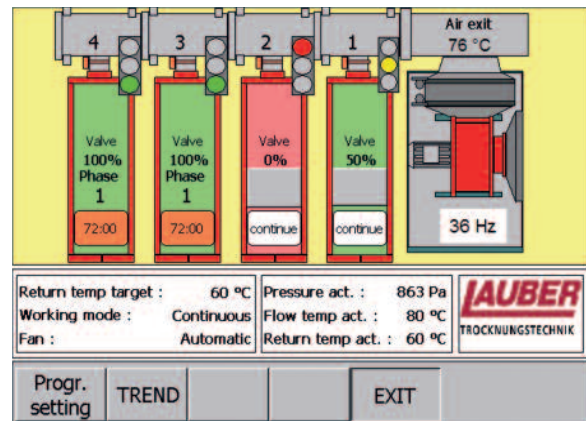


grain

firewood logs

hay bales

squared hay bales



✓ Connection between air channel and drying box

LAUBER supplies a wide range of drying products:

- ✓ L-ENZ dryer for bulk solids
- ✓ Air channel
- ✓ Drying floor kit (to produce self-made drying boxes)

With SPS control system:

- ✓ Assign priorities for advanced heat consumers
- ✓ Automatic stop for finished containers/drying boxes





LAUBER drying floor kit enables vehicular access and best air flow inside drying boxes



- ✓ Substructure of drying box in wood, steel beams or concrete possible
- ✓ Modular design
- ✓ Width and depth of drying boxes variable
- ✓ Our service: individual planning according to customer's demand





Your professional partners in all questions of drying and heat treating 50 years of experience in drying technology

- Small and medium sized drying kilns
- Special dryers for high temperature up to 250 °C
- LAUBER dryer L-ENZ for bulk solids



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