## Highlights
Liebherr Moisture Measurement System
Litronic FMS II

### Measurement Principle Sensor
- Resonance method
- Compensation of dielectric losses
- Factory calibration for the complete temperature range – flashing of the temperature curve for each sensor separately
- Reproducible sensors – replacement of sensor without new calibration.
- Sensitivity up to 0.005 % moisture

### Signal Processing Sensor
- Digital material adjustment, reproducible, linear-, points- or polynomial curves
- Change over of different material curves
- Material temperature compensation
- Many possibilities of digital signal processing (mean value calculator)
- Suitable for high material flow rate as there is no problem with material scanning, signal processing included direct in the sensor
- Fail safe digital signal processing
- Sensorbus, networking of the sensors

### Design Sensor
- Stainless steel housing: V4A 1.4404
- Wearing protection: zirconium oxide ceramic 2mm
  (optional 10 mm for very abrasive materials)
- Adjustable clamping flange
- Options: bus connection box, display
- Options: sliding shoe, material chute, funnel, flange for pipe installation
- Special carrying out: up to 100° C, salt and acid consistent housing
- Special carrying out: 30 mm diameter sensor for small installation places and pipes
- Special carrying out: dust Ex-protection zone 22

### Measurement Output and Parameterization
- Single components on top hat rail
- PROFINET, 4-20mA, 0-10V, digitale I/O
- Bluetooth, Pocket PC or RS232
- Ethernet Gateway