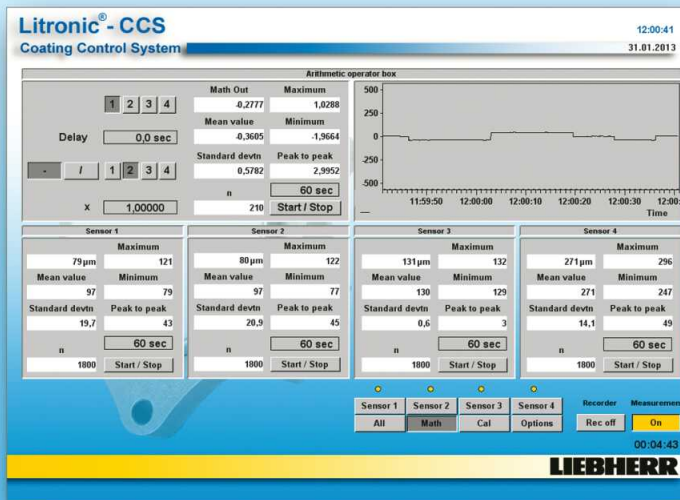
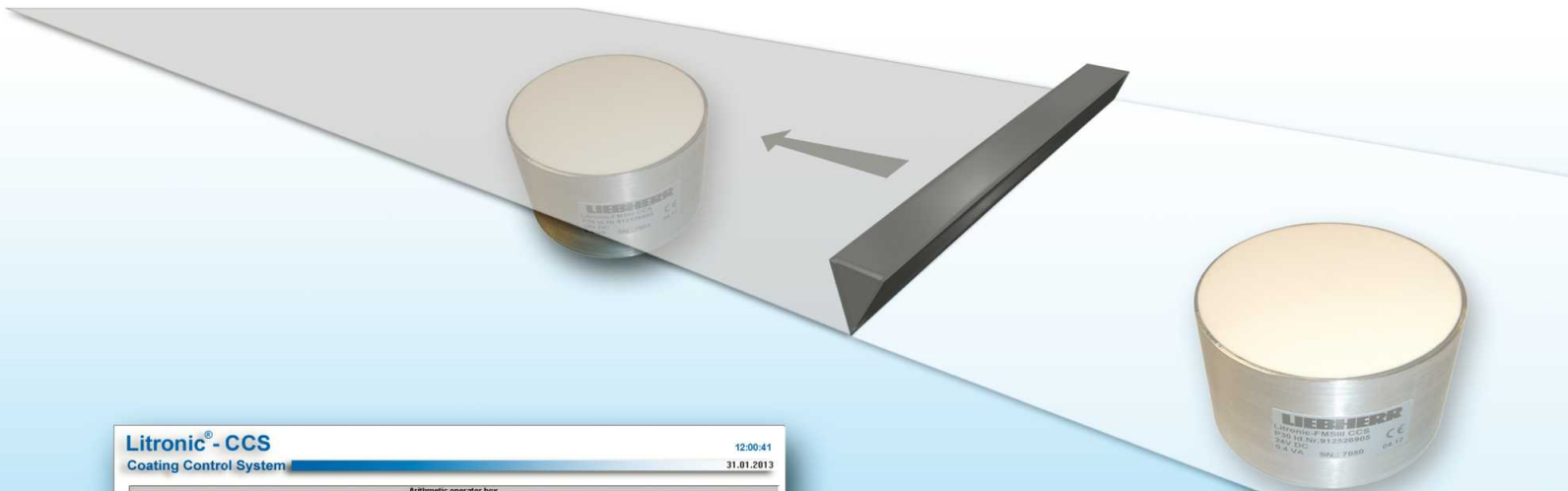


Litronic[®]-FMS III / CCS

Reliable online coating thickness measurement / weight per unit area definition.

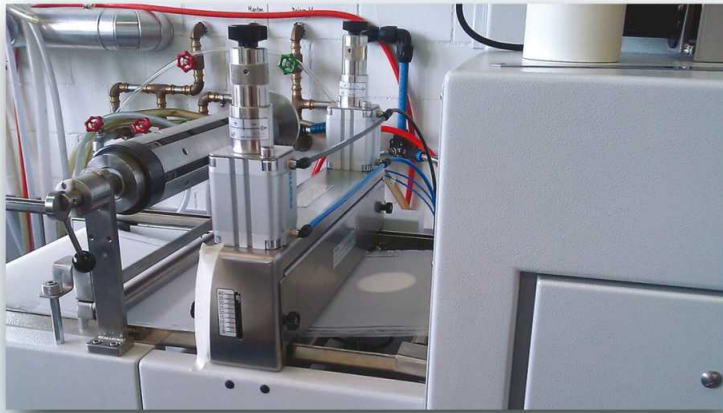


LIEBHERR

Applications.

Our **LIEBHERR Litronic®-FMS III / CCS (Coating Control System)** is developed on the basis of our reliable moisture measurement system. Field of applications are coatings of

- Paper webs
- Cardboard webs
- Plastic film webs
- Fleece
- Felt webs
- Fabric webs
-



Litronic®-FMS III / CCS sensor integrated in foil coating plant (Lamination)

Reliable **in-situ coating thickness measurement or weight per unit area definition** and correction of measured values are crucial for ensuring the quality and improvement of the final products. The measurements are collected in the signal averager of the sensor electronics and transferred to the control unit. A wide range of interfaces mean the measurement can be directly integrated in production plants. Sensor installations for example before and after coating knife for an exact determination of coating.

Planar sensor type CCS

Features:

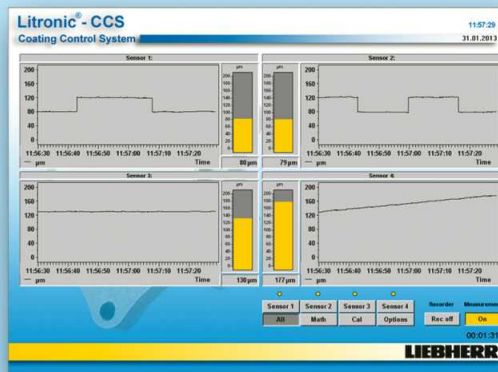
- Capacitive measuring method
- Contactless measuring possible
- Diameter 78mm
- Temperature compensation
- Digital measured value transfer and recording
- Up to 4 sensors per interchange and evaluation unit
- High quality stainless steel housing
- Weight per unit area up to 0.5 g/m² (depending on material)
- Coating thickness up to 0.5 µm (depending on material)



Litronic®-FMS III Interchange and evaluation unit

for recording, processing and preparing the measured values from the sensors.

- DasyLab Runtime
- Parameterization and calibration (Litronic®-FMS III Software)
- Adjustable measurement range
- Field-bus connection
- Ethernet connectivity (LAN), (WLAN optional)
- Modular design for easy upgrading
- Mounting on standard mounting-rail TS35 for easy switch cabinet mounting



Litronic®-FMS III Software

- Visualization
- Chart recording
- Parameterization
- Calibration
- Cross-linking of sensor data
- Delay function between sensors
- Statistic data
- Data logging

subject to modifications

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