

**LIEBHERR Litronic -FMSIII / CCS  
in situ (online) coating thickness  
measurement or weight per unit area  
definition (Coating Control System).**

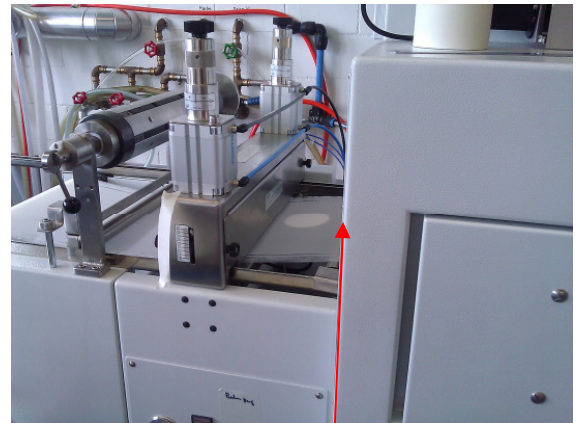
# Job- Report

## Application:

- Indirect coating thickness determination by distinction of the weight per unit area before and after the coating on paper, cardboard, plastic film, fleece, card web, textile.
- Online monitoring and controlling of production processes. For all users the exact online observing of the coating thickness or weight per unit area is decisive for the quality of the finished product.
- Implementation of the measured values in control systems.

## Selection / Solution:

- Looking for and fixing of a good installation place.
- Selection of suitable LIEBHERR measurement system: FMSIII / CCS with sensors, electronic module and software.
- Installation at measurement points with data recording.
- Parameterization with start-up direct at the plant.
- Data transfer of measurement values to control system.



Litronic-FMSIII / CCS Sensor integrated in foil coating plant (Lamination).

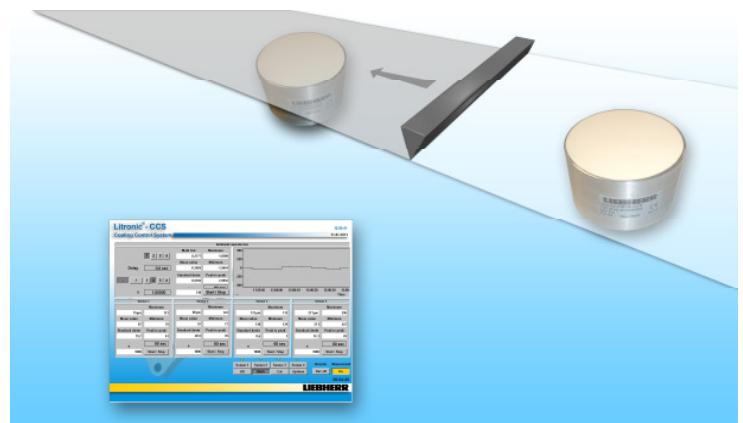
## Customer's benefit:

- Exact observing and keeping of coating thickness or weight per unit area.
- Quality and process safety.
- Process monitoring, -controlling and analysis.
- Transparency by recording of all data.
- Minimizing of defective goods.

## Installation example:

**Sensor 1:  
belt, uncoated**

**Sensor 2:  
after coating knife, coated**



**Sensor installations before and after coating for an exact determination of coating thickness or weight per unit area.**

### **Remark:**

*An additional LIEBHERR moisture measurement system for the exact moisture determination could be installed after the dryer as an option.*

Upon request we would be glad to send further information or references.