

ORBITA-FILM GmbH orders a Thermo Scientific 21Plus! web gauging system for their new CO5 line



ORBITA-FILM
Products

Thermo Scientific Mark III
scanner on the stretch
film line CO5

Matthias Stark, Process
Engineer, ORBITA-FILM GmbH

“ORBITA-FILM sets high quality standards for its film products. The competence of our suppliers is of the highest importance to us. Therefore we chose Thermo Fisher Scientific as our measurement and control supplier. They have proven to be a reliable partner and support our core value of ‘Competence in Film’ through their excellent performance.”

**Matthias Stark, Process Engineer,
ORBITA-FILM GmbH**

ORBITA-FILM GmbH

ORBITA-FILM GmbH is a member of the POLI-FILM group of companies, founded on September 1, 1991 in the Chemical Triangle area encompassing Halle, Bitterfeld, and Leipzig, which has long since been associated with the chemicals industry.

Since the 1960s, this area has been the regional centre for polymer chemistry and plastics processing. The reconstruction of part of the former ORBITA Plast Works into a highly modern and innovative company created an ideal basis for activities concentrating on polythene film production.

ORBITA-FILM produces industrial films with thicknesses between 7 µm and 500 µm and widths from 120 mm to 18 m. Their products are mainly employed in the packaging and construction industries as well as in agriculture and market gardening.

As a subsidiary of the globally active POLI-FILM company, ORBITA-FILM is a leading German manufacturer of polythene films—and the market leader in the field of construction films.

Choosing the Thermo Scientific 21Plus!

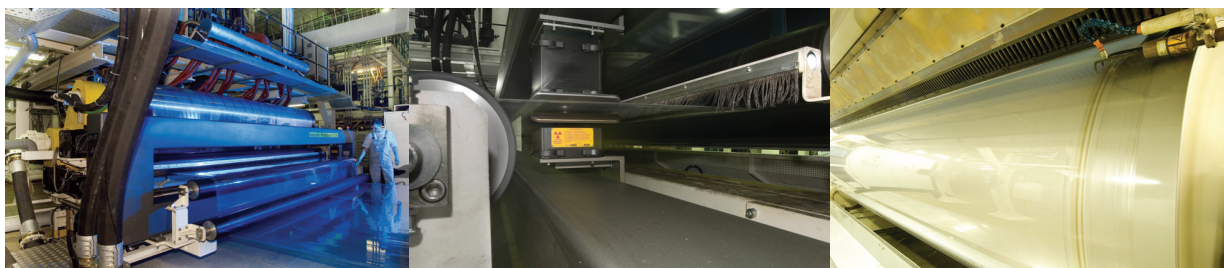
ORBITA-FILM's Weissandt-Goelzau plant in Germany installed their third Thermo Scientific web gauging system based on the excellent performance of previous systems. Having evaluated the competence of a number of web gauging suppliers, they chose the Thermo Scientific™ 21Plus! system for their new CO5 line at Weissandt Goelzau.

Benefits and Results

Benefits achieved through the use of the 21Plus! web gauging system were as follows:

- Improved quality and productivity
- Reduced scrap
- Greater process and quality insight to troubleshoot the process
- Improved product change efficiencies

ORBITA-FILM continues its focus on quality with 21Plus!



The new C05 line at Weissandt-Goelzau

Thermo Scientific Mark III scanner on the C05 line

At the reel: Perfect profiles build perfect rolls

Reaching Quality Production Efficiently on the New C05 Line

According to Matthias Stark from ORBITA-FILM the reliability, ease of use and accuracy of the 21Plus! web gauging system is a big advantage.

The 21Plus! system's intuitive operator interface and control effectiveness allowed ORBITA-FILM's operators to easily retrieve accurate process information, enabling them to quickly produce results on the new C05 line.

By building on the 21Plus! performance, ORBITA-FILM has been able to make sound process decisions and obtain full use of the optimization controls in order to set their quality targets and save raw material. In addition, the advanced machine direction control with its "Smith Predictor" algorithm provides an accurate process model that has helped improve process stability and product quality. The sum of this performance has contributed toward increased line speeds and hence, productivity.

The process visibility afforded by the system helped ORBITA-FILM's engineers troubleshoot the process and produce higher quality film. Also, the system has helped reduce start-up and product change times, both of which have translated into a fast payback and a sound, ongoing return on investment. In addition, the system has performed reliably since its installation in 2007.

Overall, the 21Plus! system has enabled ORBITA-FILM to reach their production targets on schedule and to efficiently produce more quality film.



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