

# KÜNDIG CONTROL SYSTEMS

# Newsletter

October 2010

## Editorial

From the optimism heralded at the K'07 show, things have really changed. The already price sensitive plastics market has become even more price conscience.

When film producers are investing in new or existing lines, they often are forced to base their decision only on the net price. The price pressure does not allow them to take important factors such as quality, efficiency, robustness and service into account.

With the current market situation, our strategy is the following:

**The most innovative products with the best quality/price ratio on the market.**

In this sense, we will present at this year's K'10 **several new developments** in the field of measuring technology for plastic film that are truly innovative and exciting.

We will be pleased to show you how our new measuring systems can be profitably included in your film production.

The Kundig team is prepared for your visit at our Stand D76 in Hall 10.



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General Manager



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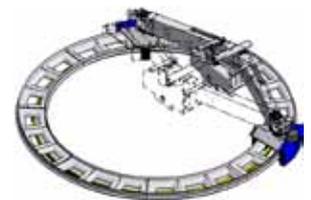
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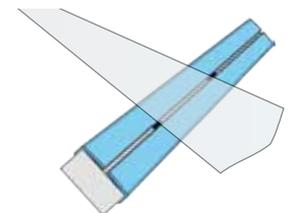
## Online Thickness Gauge



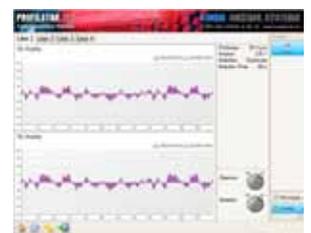
## Offline Thickness Gauge



## Layflat Control



## Profile Visualization



## K-300 Rotomat KT

■ The K-300 thickness sensor is based on the capacitive measuring principle. The Rotomat KT ensures a quick profile refresh by its continuous rotation. It takes only 36 seconds on the standard sized scanners.

**Application:** The K-300 Rotomat KT can be used for a wide range of different films.



## KNC-400 «Clingfree»

■ This thickness measuring system is based on a capacitance measuring principle. By using an air-gap between film and measuring head, a production of sensitive films without scratches is ensured. The measuring characteristics are equal to the K-300.

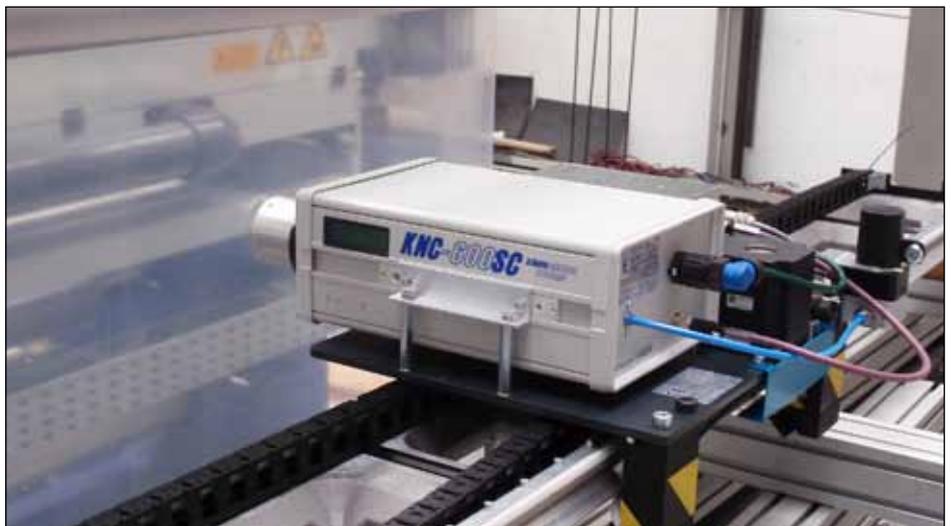
**Application:** The KNC-400 Clingfree is the ideal solution to measure sensitive films. (e.g. EVA)



## KNC-600 Linear Scanner

■ A capacitive sensor measures the thickness of the flat film. By using an air-gap between film and measuring head, a production of sensitive films without scratches is ensured. The measuring characteristics are equal to the K-300.

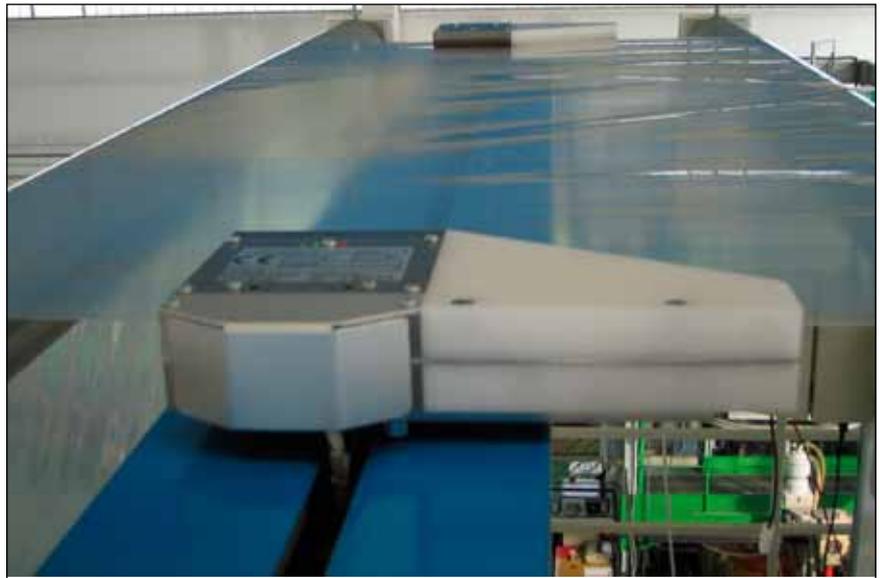
**Application:** The KNC-600 Linear Scanner is an online thickness gauge for cast film lines.



## S-100 TWIN

■ A capacitance measuring system. Any film can be measured except electrical conductive materials. Also, layflat and web position is measured with the same unit. The profile update depends on the rotation speed of the collapsing frame.

**Application:** S-100 TWIN has been developed for non-contact measurement of barrier films.



## GBS-103W on Rotomat

■ This nuclear sensor is capable to measure any type of film. Air pressure coming out of the head prevents the film from touching the sensor.

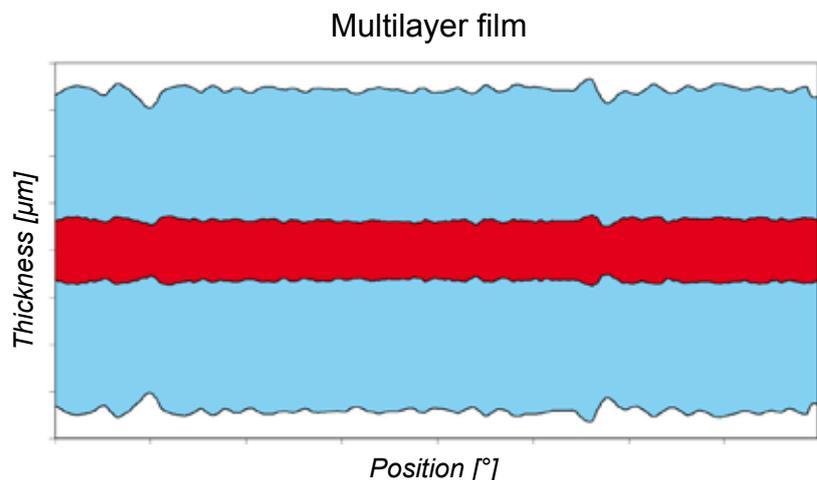
**Application:** To measure barrier films contact free with a nuclear sensor.



## Online monitoring of the barrier layer distribution

■ A complete optimal barrier layer distribution is not a guarantee that the relevant barrier thickness profile does not show low spots. Furthermore, an exhaustive examination of the microtome sections and the subsequent evaluations under the microscope are very time consuming.

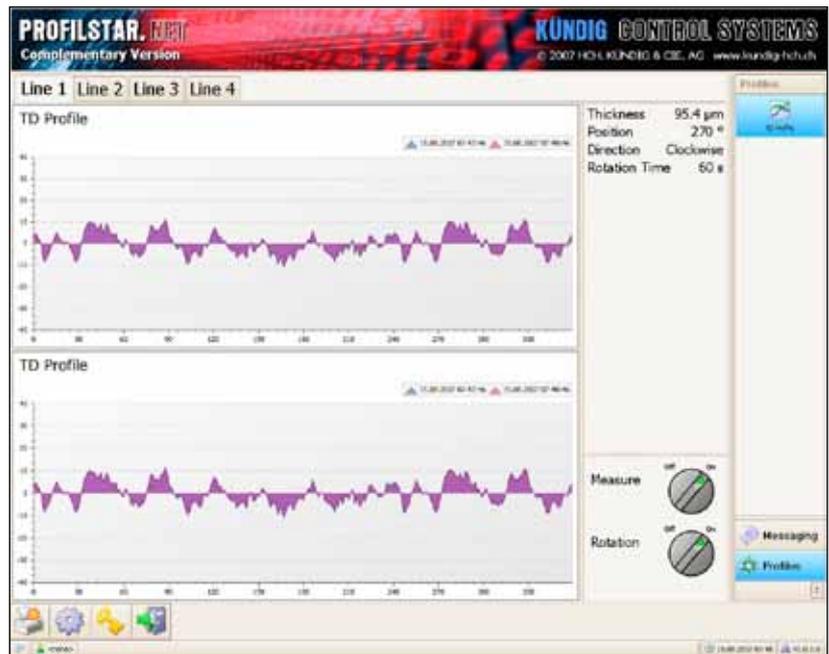
**Online Visualization:** We will be pleased to supply you with a proposal based on your needs. We look forward to seeing you at our booth D76 in Hall 10.



# K-300 CF Gauge and PROFILSTAR.NET

■ The K-300 CF Gauge is a simple and cost effective solution to upgrade existing lines. The compact device, which is mounted into the collapsing frame, has a built-in RS-485 port for connection to the PC with the PROFILSTAR.NET or other visualization software. A wireless communication module is optional available.

**Application:** Online thickness gauge for manual die adjustment. Helps to improve film quality and save raw material at the same time.



## FILMTEST

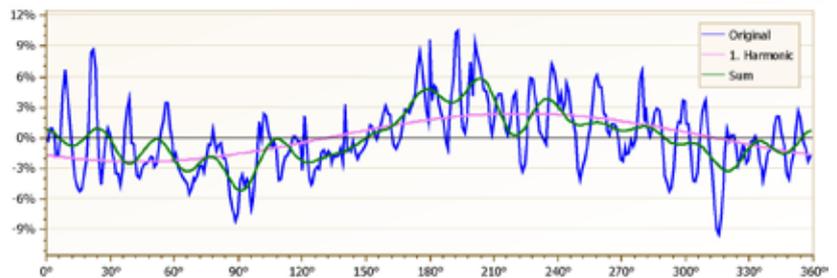
■ The complete thickness distribution will be measured by a capacitive sensor. The average thickness will be calculated depending on the length, width, weight and density of the film, and therefore the system does not need to be calibrated.

**Applications:** The FILMTEST is generally used for a professional quality and assurance control. The results can be archived and kept in a database.

Bring over your own samples and convince yourself of the capabilities of the Filmtest.  
(At least 25cm wide)



**Harmonic Analysis:** Our new software module for the FILMTEST can calculate and represent graphically the fundamental wave and the high harmonics of a thickness profile.



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