PROFILSTAR.NET

KÜNDIG CONTROL SYSTEMS

The Gauge Manufacturer for Film Extrusion SWISS MADE

Visualization System for Gauge and Layflat

PROFILSTAR.NET

PROFILSTAR.NET collects, displays and stores blown film measurement data. The number of monitored units and connected terminals that can be used is virtually unlimited.

It can be used as a simple thickness profile and / or layflat monitoring system to visualize and optimize production data, or as a complete quality control system including order and recipe management features.

2 Versions

The PROFILSTAR.NET is available pre-installed on an efficient, industrial-strength PC, and includes a built in operative Touch-Screen monitor.

It is also available as a software package. The application can be installed on almost any PC running Windows XP or higher. Detailed PC requirements are listed on page 6 of this brochure.

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Overview

1: Profiles	2: Layflat	3: Jobs	4: Database	5: Setpoints
• TD Profile • Circle Profile • Trend	• Trend	• Job Browser • New Job	• Materials • Recipes • Orders	• Setpoints • Calibration

Touchscreen friendly application

- A virtual keyboard with large buttons pops up on demand
- Touching and holding a field for 3 seconds opens a context menu
- Menus and buttons are conveniently placed on the right side
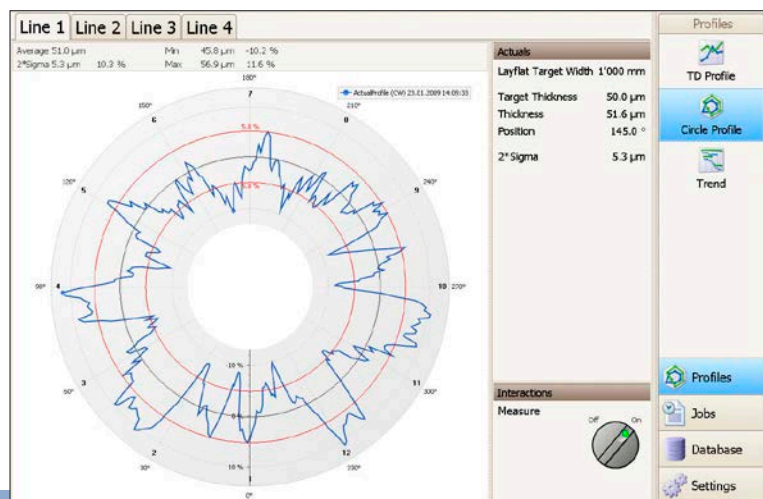
Profiles

TD Profile

The upper graph shows the last measured profile, with 2 adjustable tolerance limits indicated by the red lines in the graph.

The lower profile is the compare profile, which can be stored with a push of a button at anytime.

Circle Profile

This indicates the circular profile superimposed on that particular line's die bolt legend, providing timely and easy to read information for die centering.

Trend

Average thickness, +/- profile deviation and standard deviation trends are clearly arranged on the same screen.

The time span is adjustable, additionally allowing the user the ability to scroll back to review historical order data.

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Layflat / Jobs / Database

Layflat

The upper graph shows the actual width together with the target, while the lower graph shows the width deviation.

The blue background color indicates that the unit was in automatic mode. The time span is adjustable, so scrolling backwards to earlier data is quick and easy.

Jobs

The job browser shows production data for both the actual and next jobs. For repeating jobs, this production data can be stored and recalled at anytime.

A job consists of 1 recipe and 1 order (See next screen).

Database

The database feature allows easy management of materials, recipes and orders.

This data can be used to quickly create repetitious jobs.

Settings

Setpoints offer a quick and easy method to utilize the system's gauge and thickness data collection capabilities, without having to use specific job or materials information.

The calibration button offers a manual calibration for the thickness sensor. Additionally, an automatic thickness calibration can be performed anytime, from any screen.

PC requirements

If the software PROFILSTAR.NET is to be installed on an existing PC, the following requirements apply:

Computer

CPU: Pentium M processor 1.8GHz or faster
RAM: 1024MB DDRAM or more
HDD: 160GB or more, 24h/7d approved
OS: Windows XP Prof. SP2, Windows Vista
Ports: 2 USB Ports

Display

17" TFT LCD, Resolution 1280 x 1024

Printer

Any printer supported by the specified operating system can be used. For best results, we recommend a Color Laser Printer.

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Questionnaire application technology

Company

_____

Address

_____

Zip Code _____ **City** _____ **Country** _____

Contact person _____ **E-mail** _____

Phone _____ **Fax** _____

We are interested in

- ❑ Online thickness gauge
- ❑ Online thickness gauge and automatic profile control
- ❑ Offline system for film thickness

- ❑ Width measurement
- ❑ Width measurement and control
- ❑ Meter weight control

Specifications of existing line

Film width:	Min. _____ mm	Max. _____ mm
Film thickness:	Min. _____ μm	Max. _____ μm
Throughput:	Min. _____ kg/h	Max. _____ kg/h
Line speed:	Min. _____ m/min	Max. _____ m/min

Extrusion: ❑ Monoextrusion __ Components   ❑ Coextrusion __ Layers __ Components per layer

Processed materials: _____

IBC:	❑ Yes	❑ No
Gusseted films:	❑ Yes	❑ No

Die:	❑ Fixed	❑ Reversing	❑ Rotating
Haul-off:	❑ Fixed	❑ Reversing	❑ Rotating

Width of roll at haul-off: _____ mm

Rotation time: Min. _____ min   Max. _____ min

Power supply: _____ VAC _____ Hz (single phase)

Existing measuring and control units:
- ❑ Thickness gauge
- ❑ Width measurement
- ❑ Meter weight control
- ❑ Profile control system
- ❑ Width control
- ❑ Line speed control

Brand of existing line: _____

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◼ Product overview

K-300 Rotomat KT
Online thickness gauge with rotating scanner

KNC-400 Rotomat KT
Online thickness gauge for sticky
and sensitive films

KNC-600 Linear Scanner
Online thickness gauge for cast film

K-NDC Rotomat KT
Nuclear online thickness gauge
for barrier films

K-300 CF Gauge
Online thickness gauge
for quality supervision

S-50
Online thickness gauge
for quality supervision

S-100
Capacitive online thickness gauge
for barrier films

FE-8
Width measurement and control
for lines with or without IBC

FILMTEST
Offline measurement for quality control

PROFILSTAR.NET
Visualization for quality supervision and control

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