

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.

Overview



1: Profiles	2: Layflat	3: Jobs	4: Database	5: Setpoints
<ul style="list-style-type: none"> • TD Profile • Circle Profile • Trend 	<ul style="list-style-type: none"> • Trend 	<ul style="list-style-type: none"> • Job Browser • New Job 	<ul style="list-style-type: none"> • Materials • Recipes • Orders 	<ul style="list-style-type: none"> • 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

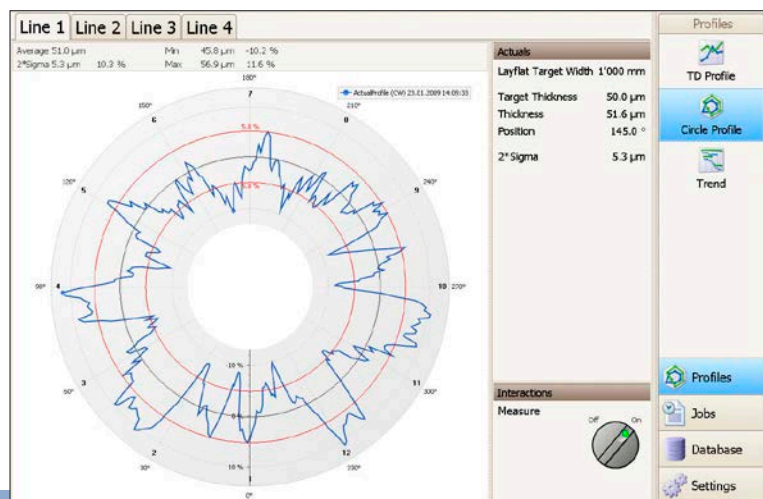
The upper graph shows the last measured profile, with 2 adjustable tolerance limits indicated by the red lines in the graph.

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.



■ 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).

Name	Status	Planned	Started	Finished	Search Name
8608	Neu				8608
mejaKnderf	Abgesch.	30.09.2008 12:30	14.10.2008 12:17	03.11.2008 11:39	qwertz
Fontana_316	Abgesch.	30.09.2008 11:30	30.09.2008 14:27	14.10.2008 11:30	luecabl
Auftrag1	Abgesch.	22.01.2009 09:30	22.01.2009 09:16	22.01.2009 12:11	
Schmid	Abgesch.	22.01.2009 12:30	01.04.2009 11:24	01.04.2009 12:19	
8608	Abgesch.	01.04.2009 12:30	01.04.2009 12:25	01.04.2009 12:25	Ultimate Job
Ultimate Order	Abgesch.	01.04.2009 13:19	01.04.2009 14:10	01.04.2009 14:10	Ultimate Job
8608	Abgesch.	07.04.2009 08:29	07.04.2009 08:29	07.04.2009 08:29	8608
K3	Abgesch.	03.04.2009 14:00	06.04.2009 08:50	06.04.2009 08:50	
Auftrag1	Abgesch.	03.04.2009 15:00	06.04.2009 08:25	06.04.2009 08:45	
K3	Abgesch.	07.04.2009 08:30	07.04.2009 08:19	07.04.2009 08:26	
A1	Abgesch.	07.04.2009 09:00	07.04.2009 08:33	07.04.2009 11:24	

Database

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

This data can be used to quickly create repetitious jobs.

Name	Manufacturer	Density [g/cm3]	gr	Search Name
lam	mikroplast	1.500	3.00	
bd fm1	bdPlan1	1.110	0.00	
EVA	standard	0.930	2.50	
EVCH	standard	1.190	5.30	
fantasy	mm	1.294	2.20	11
fantasy	mm2	1.440	3.00	11
LDPE	standard	0.925	2.34	
LDPE PHW	standard	0.925	2.33	
hr1	dow	1.000	0.00	
I'm all in	all	0.926	3.00	test
LDPE	standard	0.924	0.00	
LDPE	standard	0.923	2.29	
mdpe	dow	0.940	0.00	mdpe
PA 6	standard	1.130	3.40	
PA 6.6	standard	1.140	3.40	
PET	standard	1.370	3.20	
PP	dow	0.950	0.00	pp
PP	standard	0.905	2.25	
PUR	standard	1.200	4.00	
PVC	standard	1.300	4.50	
PVCF	standard	1.700	6.40	
superomez	plaster	2.000	6.50	ig
buta_dino	pipim	0.891	1.54	

■ 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.

Line 1	Line 2	Line 3	Line 4
Next Setpoints			
Target Thickness: 90.0 µm			
<input type="checkbox"/> Absolute			
Profile Tolerances Plus: 10.0 %			
Profile Tolerances Minus: 10.0 %			
<input type="checkbox"/> Absolute			
Thickness Tolerances Plus: 15.0 %			
Thickness Tolerances Minus: 15.0 %			
Layflat Target Width: 150.0 mm			
<input type="checkbox"/> Absolute			
Layflat Tolerances Plus: 20.0 %			
Layflat Tolerances Minus: 20.0 %			
Actual Setpoints			
Target Thickness: 90.0 µm			
Profile Tolerances +: 2.0 %			
Profile Tolerances -: 2.0 %			
Thickness Tolerances +: 0.2 %			
Thickness Tolerances -: 0.2 %			
Layflat Target Width: 150.0 mm			
Layflat Tolerances +: 80.0 %			
Layflat Tolerances -: 80.0 %			
Next Setpoints			
Target Thickness: 90.0 µm			
Profile Tolerances +: 10.0 %			
Profile Tolerances -: 10.0 %			
Thickness Tolerances +: 15.0 %			
Thickness Tolerances -: 15.0 %			
Layflat Target Width: 150.0 mm			
Layflat Tolerances +: 20.0 %			
Layflat Tolerances -: 20.0 %			
Interactions			
Use Next Setpoints			

■ 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.

Questionnaire application technology

Company

Address

Zip Code

City

Country

Contact person

E-mail

Phone

Fax

We are interested in

- | | |
|---|--|
| <input type="checkbox"/> Online thickness gauge | <input type="checkbox"/> Width measurement |
| <input type="checkbox"/> Online thickness gauge and automatic profile control | <input type="checkbox"/> Width measurement and control |
| <input type="checkbox"/> Offline system for film thickness | <input type="checkbox"/> Meter weight control |

Specifications of existing line

- Film width: Min. _____ mm Max. _____ mm
- Film thickness: Min. _____ μ m Max. _____ μ m
- Throughput: Min. _____ kg/h Max. _____ kg/h
- Line speed: Min. _____ m/min Max. _____ m/min
- Extrusion: Monoextrusion Coextrusion __ Layers
 __ Components __ 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 Profile control system
 Width measurement Width control
 Meter weight 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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