



FIS 1000

Film Inspection



english



 **R.A.M.**

FIS 1000

The Inspection System FIS 1000 is especially optimized for defect recognition in films.

With this absolutely reliable and high efficient inspections system surface defects can be recognized in a range of 50mm up to 10m material width.

FIS 1000 detects, classifies, documents and records optical defects at films.

For illumination is possible fluoresced line lamps, LED line lamps for reflected light, transmitted light and light or dark field.

The defects are automatically classified such as gels, burning particles, fish eyes, dirt, etc..

Picture of the defects can be shown later on with RAM_PAT.

It is possible to defined as much classifiers (size and type) as you want.

This "High End System" is able to differ any defect explicitly.

Users can typecast Defects only by using their pictures and sort then by classes.

The classifier will automatically calculate all parameter for this free learned defect class.

The system can also handle several slits, also with different widths, and assign them different order numbers.



Optimal Illumination

Use of special lighting techniques depending on the test material.

Modular Architecture

Easy expandability, easy customization and adaptation to the process. Online process analysis.

Process Synchronization

Coupling of the inspection system with the production line (automatic recipe selection, splice signals, inspection stand-by mode ...).

Error Flag

Alarm signals for the automatic error marker in the laboratory, pilot plant or production of the current can be individually configured.

Defect Map

Continuous display of defects found as a symbols or gray-scale images (defect detail display).

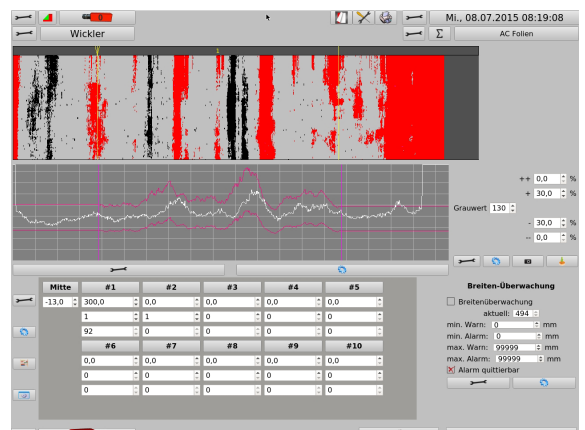
Open Dataformat

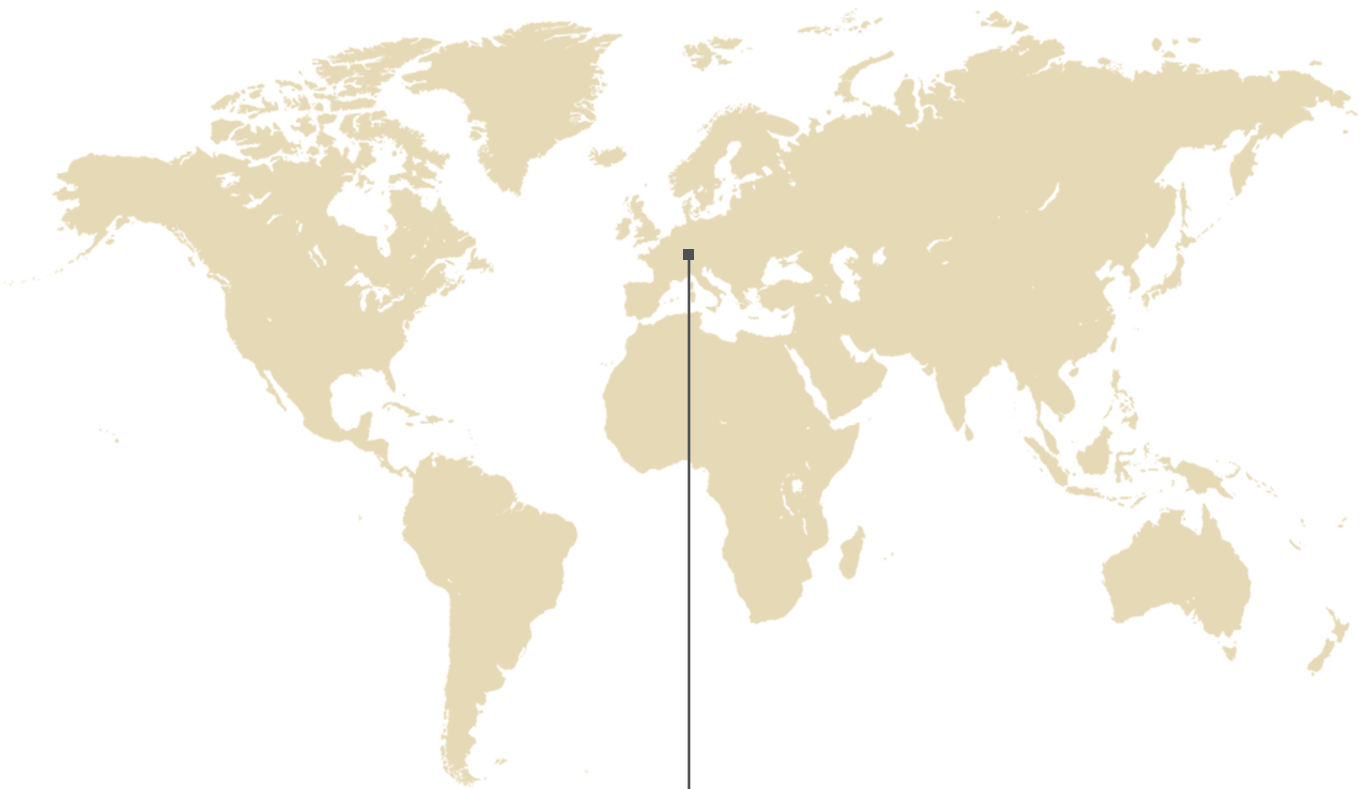
Protocol-Data in CSV Files, TCP/IP or customer specific data formats possible

Technical Data

FIS 1000

PC:	CPU 16 Gbyte RAM 1 TByte HD SSD for Operating System
Interface:	Ethernet, USB RS 485, RS 232
Screen:	19" LCD-TFT Touch Screen
Software:	FIS CAMEN 10.xx
Camera:	CMOS Line Camera 16.384 pixel 40.000 scans/sek. 640 MBit/s.
System Resolution:	CD 125 μ m (width 2000mm) MD 170 μ m (at 400 m/Min)
Lighting System:	programmable adaptive LED Suitable for reflected light, trans- mitted light and light/dark field inspection
Power Supply:	230 VAC, 50-60 Hz, 500 W
Service / Support:	SSH/VPN-Tunnel (DSL necessary) recommended





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