

ITG 500

Gel Analyzer

 english



 R.A.M.

ITG 500

The inspection system ITG 500 detect's, classifies, document's and records on optical defects in materials or web with a light illumination (total reflection) for opaque films both on the top or bottom in combination with a transmitted-light illumination for transparent films.

The defects are automatically fault classes such as gels, burning particles, fish eyes, dirt, creases, holes or fly-classified and the photos of these imperfections are available for further evaluation.

The ITG500 has digital inputs (eg for splice signal, encoder signal or stop signal inspection) and a digital output (such as triggering the alarm lamp when critical errors occur or a certain number of errors per m², stopping the system).



Optimal Illumination

Use of special lighting techniques depending on the test material.

Optical Defect Analysis

Online analysis and display of measurement results, so that production defects can be corrected quickly.

Automatic Classifier

Classifiers for the online assessment to identify and distinguish between types of defects (such as oil stains, Flies, specks, inclusions,...).

Tables and trend view

Table display, trend display with warning and alarm values as a function of defect size and type

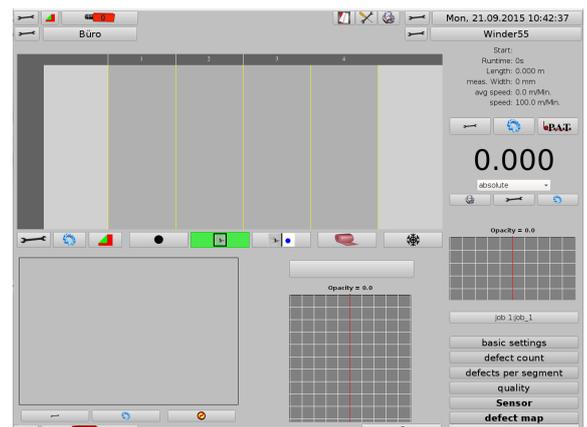
Defect Map

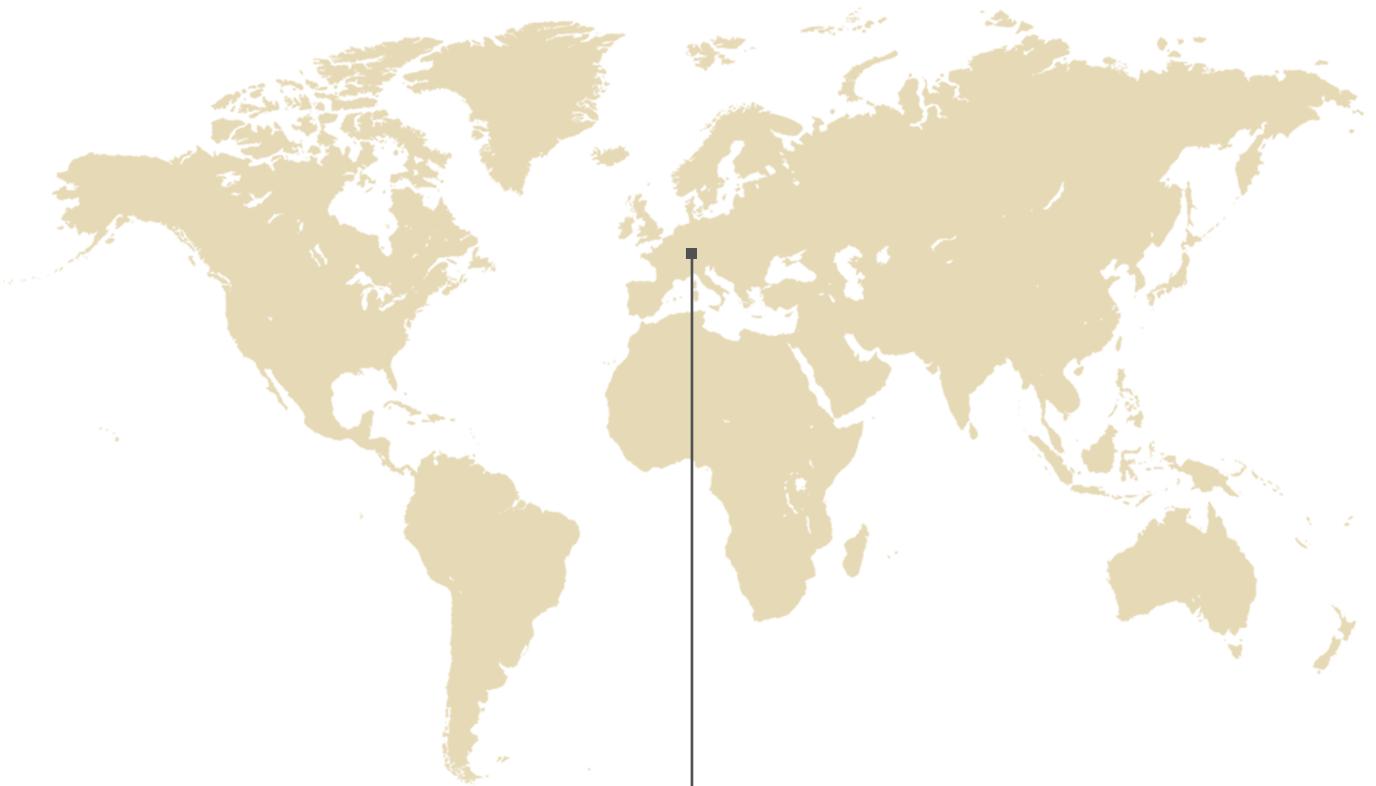
Continuous display of defects found as a symbols or gray-scale images (defect detail display).

Open Dataformat

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

Technical Data	
ITG 500	
PC:	Desktop PC Intel Core Duo Prozessor
Interfaces:	1 digital Input 1 digital Output
Screen:	19" LCD-TFT Touch Monitor
Software:	ITG CAMEN 10.xx
Camera:	CMOS Line Camera 4.096 pixel 40.000 scans/sek. 60 MHz.
Lighting System:	LED Light 100 mm
Power Supply:	230 VAC, 50-60 Hz, 500 W
Options:	Opacity-, Haze and Orange-peel Measurement CMOS Line Cameras up to 16.384 Pixel





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