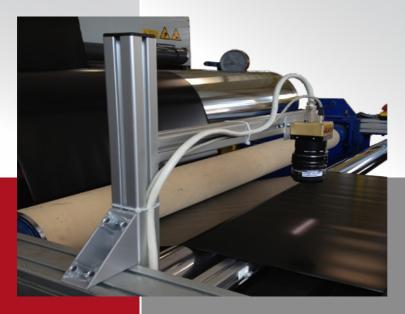


# **ITG 600**

## **Umroller / Rewinder**







# **ITG 600**

The inspection system ITG 600 for rewinders detects, classifies, documents and records on optical defects in production of transparent and opaque films. To stop the rewinder ITG 600 provides a potential free alarm output.

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 via RAM\_PAT.

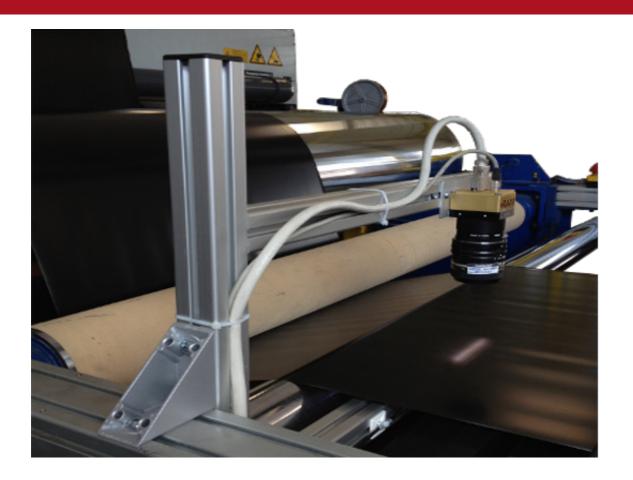
On a defect wallpaper (MAP), the defects in the role are represented symbolically. It is about the defect true gray-scale images, the position in the running and cross direction as well as the roll number (everything also per m<sup>2</sup>).

The defects will be sorted by their size classes, or type classes and their position (cross direction and machine direction).

The ITG 600 system includes a recipe management. Any number of inspection recipes can be created.

Production Data can be integrated to the system automatically.

The ITG 600 has a digital input for splice signal, encoder signal or stop signal inspection and a digital output for triggering the alarm lamp when critical errors occur or 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

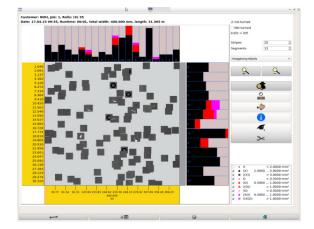
Continuous display of defects found as a symbols or gray-scale images (defect detail display).

### **Open Dataformat**

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

Technical Data	
ITG 600	
PC:	CPU 16 Gbyte RAM 1 TByte HD SSD for Operating System
Interfaces:	1 Input & 1 Output free of potential 1 Input counter for running meters
Screen:	19" LCD-TFT Touch Monitor
Software:	ITG CAMEN 10.xx
Camera:	CMOS Line Camera 4.096 pixel 20.000 scans/sek. 160 MHz.
System Resolution:	CD 150 μm (width 500mm) MD 170 μm (at 400 m/Min)
Lighting System:	LED light 600 mm for 500 mm Inspection width. Suitable for reflected light, trans- mitted light and light/dark field
Power Supply:	230 VAC, 50-60 Hz, 500 W
Service / Support:	SSH/VPN Tunnel (DSL necessary) recommended









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