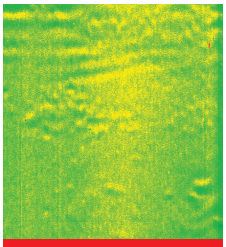
Product Info

ISRA VISION

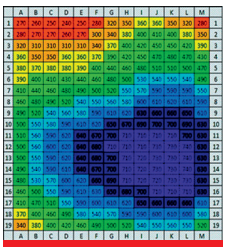
Achieve the Next Level of Quality in Optical Film Production Using 100% Inspection

µScratches



Uniformity

Gels



Optical Property

µHoles

Black Spot

Maximize Profits. Exceed Expectations. With a Complete Tool-Set for Inline High Precision Web-Analysis of Optical Film

- 100% detection of all defects (pinholes, gels, black specks, inclusions, missing coating …)
- Monitoring of:
  - HAZE
  - GLOSS
  - UNIFORMITY
  - TRANSPARENCY
  - DISTORTION
  - COATING THICKNESS
  - REFLECTIVITY
- Exact quality grading
- Reporting and analysis
- And even more …

Applications

Reliable defect detection and determination of optical properties for all kinds of optical film such as:

- Reflector film
- Diffusor film (frosted, standard bulk)
- Prism sheet
- Micro lens sheet
- Brightness enhancement film (BEF)
- Retardation film
- Polarizer
- Cover film

Advantages

- Significant reduction of customer claims
- Improved quality while simultaneously ensuring consistently high standards
- 100% documented quality inspection - a strong sales argument
- Built-in quality audit tools

For Perfect Quality

It is extremely important to comply with the ever growing demands of the customer's specific product demands in optical film for FPD, mobile phones and touch panels. End customers are demanding an objective proof of the quality showing the adherence to pre-agreed tolerances.

The inspection systems are offering a versatile tool-set for this. The discovered defects are presented in an image - and of course - the results are available in real time. This way early counter measures can be taken to prevent adding value on waste material, an efficient way to save costs.

The system differentiates the defects by production level and classifies them as important or unimportant. The system informs the production team with optical and acoustic alarms. All data is archived for assessment and analyses. Reports tailored to the customer's needs, statistic tools and trend displays, help to optimize processing and to reduce costs.

Highest Priority: Process Reliability

Built-in in-line tools to support quality audits – such as calibration and validation concepts – which assure highest customer acceptance and maximum secured system uptime.

Features

- 100 % defect detection down to 1 micron for optimum process control
- 100 % monitoring of optical properties
- Highest line speeds of more than 1000 m / minute
- Sophisticated defect detection algorithms
- Advanced self-learning classification
- Quality-View
  - Trend detection
  - Counter measure activation
  - Work optimization
- Quick-Select – important things in one view
- RT Viewer – remote system access anywhere
- Extended quality reports
- Data Mining for
  - Statistics & evaluation
  - Reporting and analysis
  - Export of statistical data for quality grading

Optimize your ROI with the technology leader ISRA

Headquarter:
ISRA VISION GmbH
Industriestraße 14, 64297 Darmstadt, Germany
Tel: +49 6151 948-0
info@isravision.com

www.isravision.com