



Automatic UV Cap Layer Measurement

Automatic Cap Layer
Thickness Measurement
with no need of a
crosscut

The Automatic UV Cap Layer Measurement system is the world's first automated system for measuring the UV cap layer thickness of finished PC sheets on the production floor, eliminating the need for time consuming sample preparation or operator expertise.

The operator simply places the finished sheet on the unit with the UV layer facing down and clicks the measure button - the UV cap layer thickness is immediately displayed on the system screen along with the image.

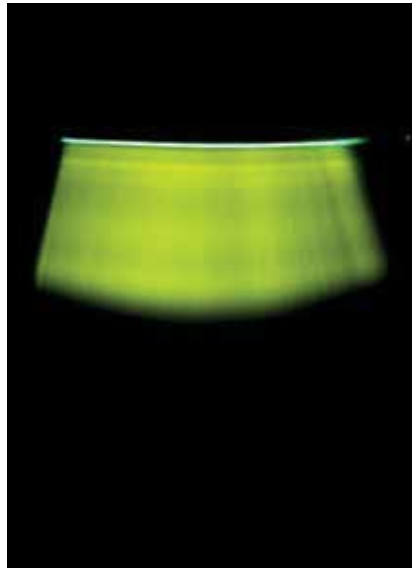


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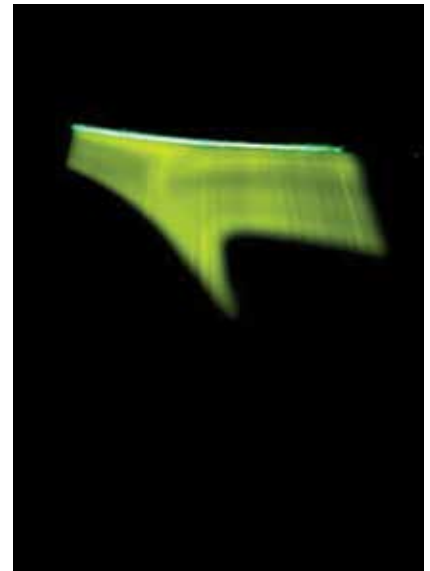
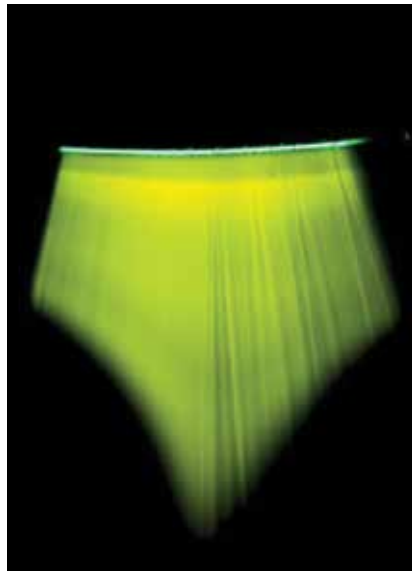
Good UV Layer



Wasted UV Material



Die Irregularities



Advantages

- Quick and accurate UV cap layer thickness measurement
- Significant savings on UV cap layer material
- Leading to improved quality and UV cap layer consistency across the sheet
- Fully automated measurement eliminates human errors

System Features

- Capable of measuring solid, hollow and corrugated "smooth" surface PC sheets
- Inspection resolution: 0.66 micron per pixel + sub pixel algorithm
- Repeatability – better than 1 micron
- Auto focus
- Auto measurement for "regular" middle hollow cell and solid sheets
- Available in a standalone single point configuration or in a full product width scanning configuration
- Suitable for use on the production floor