



Sometimes, you need more information about detected yarn defects than total number of defects, their position and various statistical data.

Lenzing Instruments **DEFECT VIEW** offers not only the above mentioned information, but also the possibility of analysing an image of each defect.

DEFECT VIEW combines the advantages of a PROMPT OLO sensor with a high resolution digital CCD area camera.

Broken filaments or fluff of multifilament yarn or thin- and thick places of monofilament yarn are detected by the PROMPT OLO sensor. Each detected event triggers the integrated camera to generate a separate image of each defect.

The images give yarn producers a sophisticated tool for thorough problem analysis and further action taking towards improved product quality.

The optical PROMPT OLO sensor also monitors the filament continuously for essential yarn characteristics such as variations in diameter, interlace and twist.

DEFECT VIEW is the ideal equipment for circumstances when more thorough defects analysis is needed.

Scope:

Image analysis of broken filaments, fluff or thin- and thick places by means of a combination of the optical **PROMPT OLO** sensor and a high resolution digital CCD area camera. Additionally, **DEFECT VIEW** continually monitors variations in twist and interlace of multifilament yarn as well as variations in diameter of monofilament yarn

Method:

The filament is guided through the optical **PROMPT OLO** sensor. Each time the sensor detects a defect, the camera is triggered automatically and an image is captured.

Results:

The **DEFECT VIEW** software displays the captured images in real time. Each event is also graphically displayed as a function of winding length or winding time.

Titer range:

7 - 4000 dtex

Diameter:

10 - 2500 µm

Interlace:

0 - 250 nodes/m

Twist:

0 - 300 twists/m

Production speed:

up to 8000 m/min

Illumination:

Flat LED lamp (white)

Observed image area:

30 x 22 mm

Yarn guide:

ceramic (exchangeable)

Evaluation and control unit:

PC with Windows® based software

Data communication:

Can BUS from PROMPT OLO to PC

Ethernet from Defect View

Camera to PC

High speed digital signal from PROMPT OLO to flash control unit

- 1 open collector output for quality signals and status information
- 1 digital inputs for winder contacts, optically decoupled for input voltages 5 to 24 VDC

Ambient conditions:

10 to 50 °C

max. 90 %, not condensing

Protection class:

IP 64

Dimensions:

DEFECT VIEW:

Length: 200 mm

Width: 160 mm

Depth: 100 mm

WHEELED CASE:

Length: 604 mm

Width: 473 mm

Depth: 283 mm

Note: DEFECT VIEW is also available as laboratory system with a yarn take-off unit (DEFECT VIEW LAB)

Technical data and pictures are subject to change!