Product name:	Product code:
Polariscope Stress Viewer for PET Preforms	CMI-IND-0517



Description

Cross-polarised light viewer that reveals residual injection moulding stress in PET preforms as coloured fringe patterns. Used by preform moulders and bottle blowers to detect stress that causes base cracking, hazy bottles and uneven blowing.

Technical specification

Viewing area	250 x 250 mm
Polariser	Linear polarising film, rotatable analyser
Preform size range	15 to 150 g, up to 200 mm length
Illumination	Adjustable intensity dimmer
Housing	Powder coated steel with black interior
Power supply	230 V AC, 50 Hz

Standard Accessories

- Preform holder
- Reference stress chart

Preforms are placed between two polarising filters over a diffuse LED light plate. Residual stress at the gate, body and neck shows as colour bands that the operator compares with reference images. It is a fast, non-destructive check at the moulding machine.

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Features

- Rotating analyser for fringe contrast adjustment
- Uniform diffuse white LED backlight
- Preform holder cradle for vertical viewing
- Large 250 x 250 mm polarised viewing area
- Low heat LED source for long use

Technical Specifications

Application	Residual stress in PET preforms, ASTM D4093 principle
Light source	White LED, 6500 K