

# Quality by Vision Ltd.

# POLYsee 9000

## Computerized plastic film-thickness analyzer

Modern high speed multi-layer plastic lines demand **fast**, **accurate** and **easy to use** layer thickness analysis.



Measurement no.1 : Report number: 531 : Standard: [Co-Ex 35/40mm]

Point Number (point): 0

Zoom: 502 set zoom

Angle

Color selection

Total= 483.9 MICRON

Name	Value	NomOff
PE	221.7	21.7
ADMER	19.7	-0.3
EVOH	33.7	3.7
ADMER	18.6	-1.4
PE	190.3	-9.7

Quit

OK Continue

Capture

Rescan

Horizontal placeholder lock

Invert

Reset lines

Source

Format

Save image

View Standard

Prev Results

POLYsee 9000 is a computerized system which provides an excellent solution for measuring the thickness of **each layer** in a multi-layer plastic film.

This new advanced system establishes a reliable and consistent Quality Assurance process for the production of multilayered plastics.

**Specially developed for QC/QA for manufacturers producing multilayer plastic films and foils at high speed.**

**The system produces fast and accurate measurement of thickness of each separate layer in Microns (from 1 $\mu$ m to 1mm).**

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film-thickness analyzer

## How does it work?

A plastic film sample is placed in the sample holder and inserted in front of the optical unit.

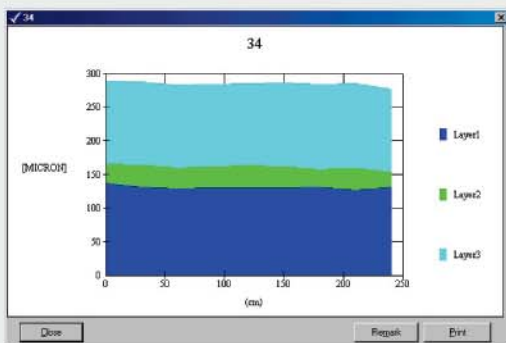
The image of the plastic film is displayed on the screen. The view can be adjusted using the XY table, as well as the front and back light sources.

Thin and thick layers of each sample can be analyzed and measured.

A full report is provided at the end of the measurement process. Images and reports can be archived and retrieved at any time.

## Specifications

<b>Sample thickness</b>	30 microns to 1 mm
<b>Magnification</b>	Continuous from x150 to x750 - software controlled
<b>Resolution</b>	x150, 2 $\mu$ m x750, 1 $\mu$ m
<b>Image resolution</b>	512x384
<b>Light</b>	Front and back (UV optional) - manually controlled
<b>Computer</b>	Pentium Processor, Windows 95/98™ OS



Report Number: 13      Material: three layers standard      Date: 02/22/1999      Time: 09:36  
Total Width/Length: 240 (cm)

\*\*\*\*\* POLYsee 9000 \*\*\*\*\*

Extruder: 34  
Machine: 2  
R.P.M: 540  
Code: 12/99  
Operator: Mark  
Remark:

\*\*\*\*\* Quality By Vision 1999 \*\*\*\*\*

Distance from edges	Layer name/number	Measurement	Std min	Std nom	Std max
0.00 cm	1	152.73 MICRON	120	140	160
	2	27.88 MICRON	20	30	40
	3	120.61 MICRON	120	140	160
		281.22			
125.00 cm	1	131.52 MICRON			
	2	25.45 MICRON			
	3	121.21 MICRON			
		278.18			
240.00 cm	1	152.73 MICRON			
	2	29.09 MICRON			
	3	129.70 MICRON			
		291.52			

## Features

- ✓ Software controlled zoom
- ✓ Images and reports can be archived
- ✓ Native Windows 95/98™ Application
- ✓ Customizable reports
- ✓ Excel integration

- ✓ UV resistant layer detection
- ✓ NAMAS certified gauges available
- ✓ Special version for labs with an existing microscope!
- ✓ Quick measurement option

**Quality By Vision Ltd.**

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