

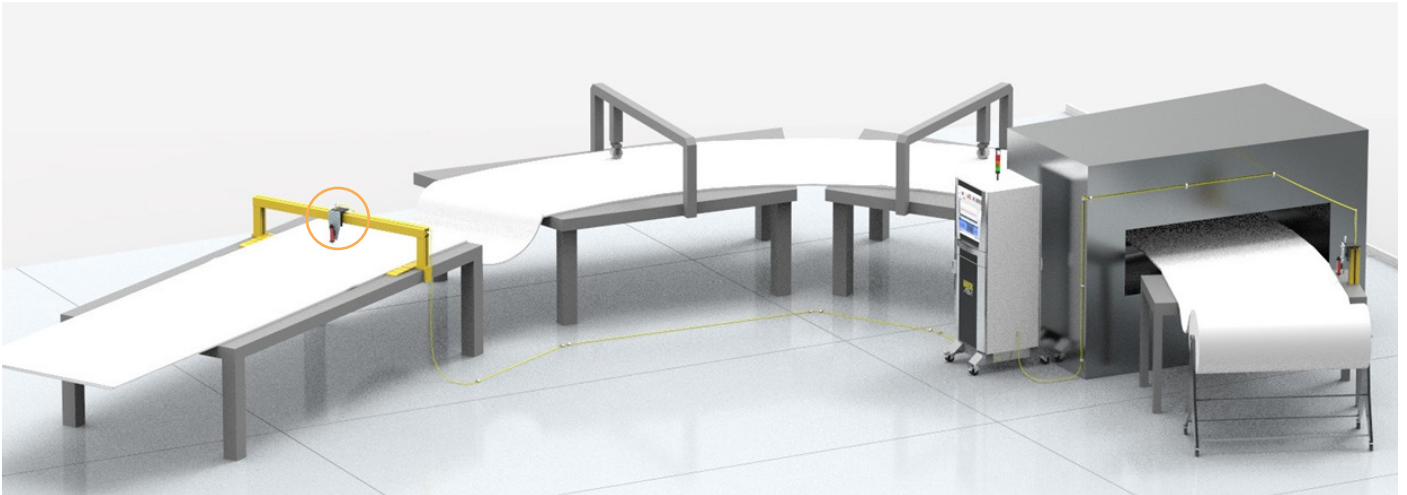
Plastic Film Thickness measurement



Tecnosens Air Gap & PVB Thickness

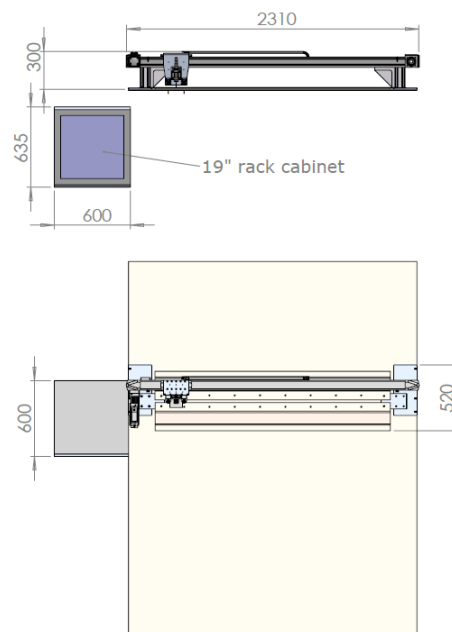
Tecnosens Multi-Layer optically measures the thickness of layers that compose a laminated glass, including PVB, EVA or any other plastics.

The non-contact sensor measures any transparent or semi-transparent material highlighting the points where the measures are out of tolerances, before and after glass lamination.



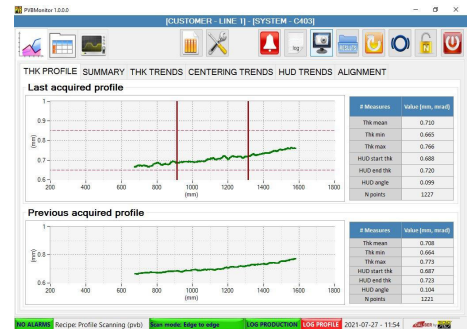
High accuracy, quick integration in line, non-contact technology are just some of the advantages that make of Tecnosens Multi-Layer the perfect solution for application such as:

- Automotive
- Plastic
- Coating
- Display and panels for consumer electronics

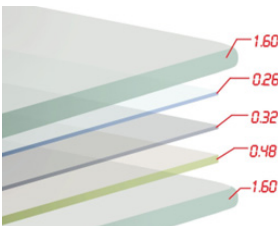


Features

- real time thickness measurement of the sample
- one-sided measure (reflection mode)
- high accuracy
- non-contact technology
- embedded data analysis for standard application
- multi channels configuration available
- quick integration in production lines or QA/QC laboratory



Technical data

	Multi Layer	Single Layer
		
Measuring rate	Up to 20 Hz	Up to 300 Hz
Measuring range (n=1.5)	15 mm	2 - 4 mm
Working distance (standard optical head)	50 mm custom optical heads available depending on application	
Angular tolerance (standard optical head)	+ / - 4°	+ / - 2°
Minimum thickness of layer measured (n = 1.5)	15 micron	10micron
Accuracy	< + / - 2 micron	< + / - 1 micron
Controller dimensions	19" (w) x 3U(h) x 357mm(d)	335mm(w) x 3U(h) x 276mm(d)
Output connection	RJ - 45 Ethernet data I/O	

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Our solution for Automation

Tecnosens' Automation Division deals with the distribution of sensors for measurement in industrial automation and the realization and development of integrated systems for customized applications.

Thanks to the know-how acquired in more than 25 years we can participate in the design and engineering, following and supporting the customer step by step.

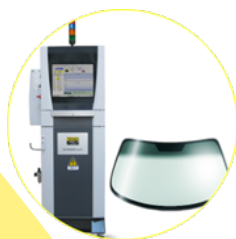
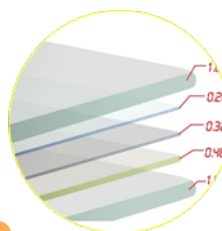
Find out our solutions for Automotive:



Air Gap



Multi Layer



Glass Gauging



Black band



Tecnosens



Caliber WI

