

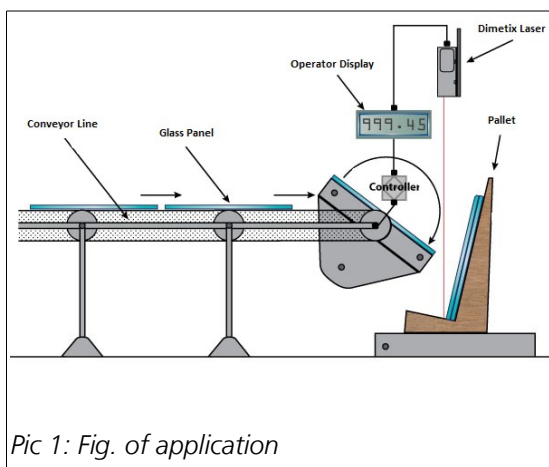
## DIMETIX APPLICATION EXAMPLE

AE-0502

### GLASS PANEL POSITION MEASUREMENT

**Industry :** Glass  
**Application type :** Position measurement

#### Brief description



Pic 1: Fig. of application

A leading fabricator of sealed insulating glass units required a sensor solution that would monitor and precisely adjust glass panel position on a production conveyor based on the exact height of nonstandard pallets used to transport and store glass panels horizontally. Dimetix lasers offer several methods of communicating to control systems commonly used in manufacturing and production applications.

In an area at the facility where glass panels are staged, a servo driven actuator system identifies and tracks the leading edge of the glass as it moves along the facility's conveyor line. After the conveyor apparatus picks up the glass, it was unable to compensate for nonstandard height of the pallets used to transport and store the glass panels in a horizontal position.

The Dimetix laser distance sensor measures the height of the pallet and adjusts a position offset to stop the glass panel and begin tilting it onto the pallet precisely at the point where there is no chance the glass can slide or be misplaced as it is gently placed on the pallets next to other glass panels.

#### Customers advantages

- Production delays and breakage eliminated
- Non-contact, eye-safe laser measurements
- Measurements can be acquired by a PLC or PC
- Maintenance free → no breakable moving parts
- Economical, rugged, and compact package

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