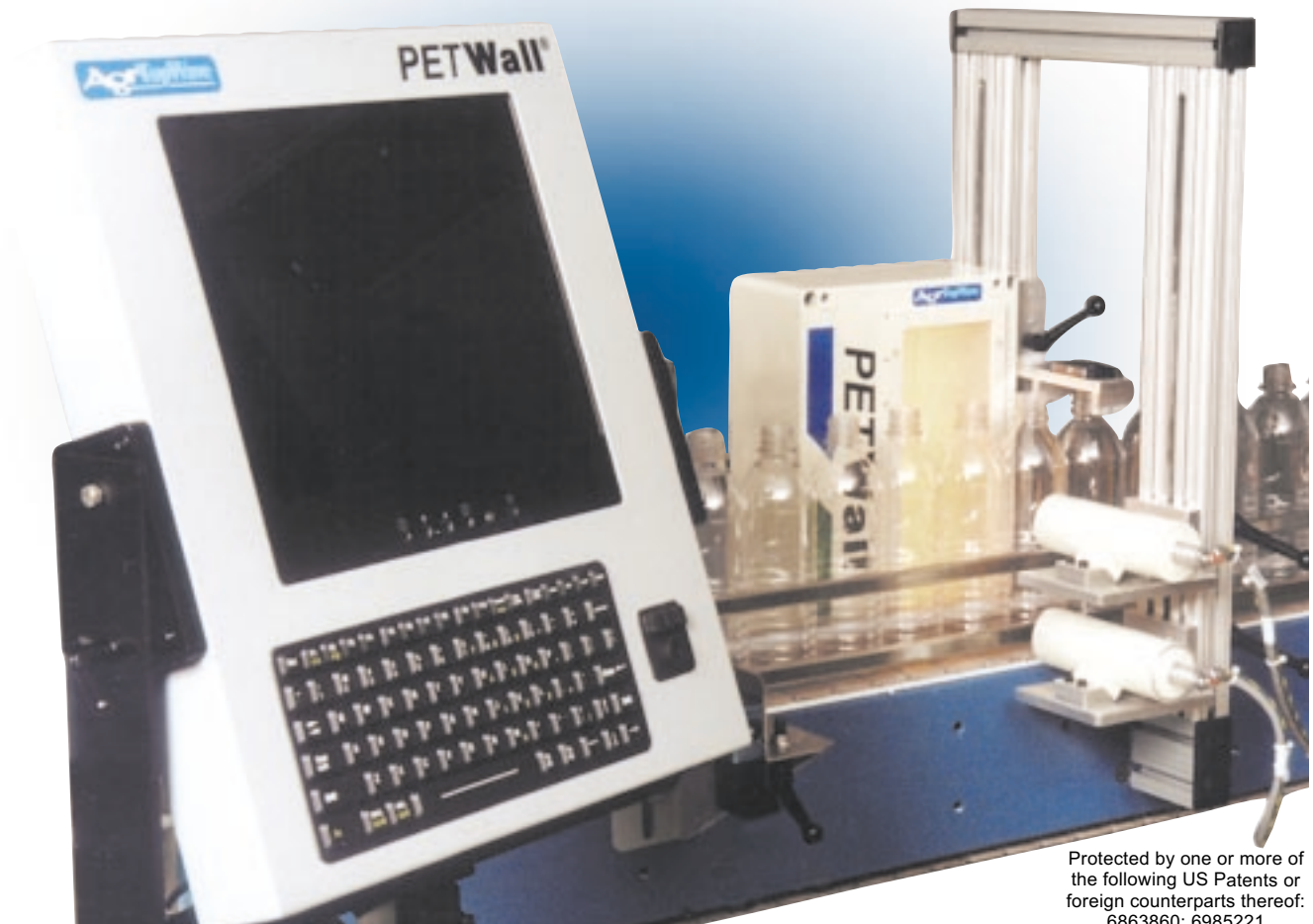




PETWall®

Thickness Measurement System



Protected by one or more of the following US Patents or foreign counterparts thereof: 6863860; 6985221

On-Line Wall Thickness Measurement System for PET Containers

- Detect distribution related defects early in the process
- Reduce/eliminate manual section weight activity
- Improve overall quality output
- Increase production efficiency

MEETING THE NEEDS OF THE PET CONTAINER INDUSTRY

Consistent material distribution is a key factor in the performance of PET containers. The number of factors that impact the quality of a container are directly related to variations in material distribution.

The PETWall® system is a revolutionary, on-line measuring tool designed to provide real-time feedback for wall thickness and material distribution control. By providing the ability to monitor the wall thickness and material distribution of every container produced, the PETWall® system alerts you to shifts or process problems as they happen.

FEATURES

- High-speed, non-contact, non-destructive measurement
- Accurate and repeatable results
- Up to four measurement locations
- Built-in reject system for nonconforming containers
- Unaffected by color
- Low maintenance requirements

REPORTING CAPABILITIES

The PETWall® system provides a continuous, on-screen update of measurement status. Standard reports are provided for individual rejects and defect trends. Information can easily be exported to SPC and plant-wide process control systems.

NON-CONTACT, NON-DESTRUCTIVE MEASUREMENT

The low profile, multiple-head design of the PETWall® system can incorporate up to four measurement sensors on a single line or up to 2 sensors on each line of a dual output machine. The PETWall® system permits thickness measurement in the most critical areas including the lower heel.

WORKS ON EXISTING LINES

The PETWall® system installs easily on existing production lines and can operate on single or dual lines at production speeds. It requires less than 18 inches of line space and can be mounted in close proximity to the blowmolder. The operator interface is a free standing unit and can be located up to 100 feet from the inspection system.

SPECIFICATIONS

Measurement Range: 0.002 in. (0.05 mm) to 0.03 in. (0.8 mm)

Accuracy: ±0.001 in. (±0.025 mm)

Repeatability: ±0.0003 in. (±0.008 mm)

Speed: Up to 30,000 bottles/hour per outfeed

Container:

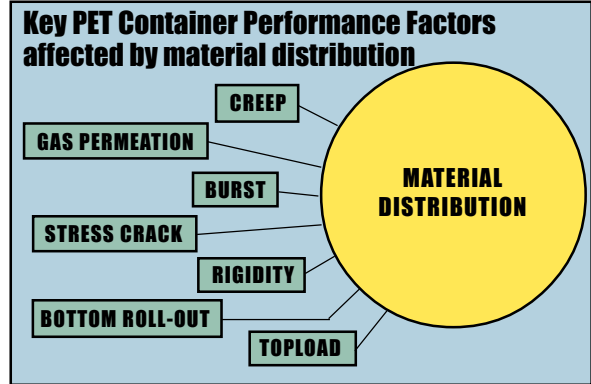
Height ____ 2 in. to 15 in. (51 mm to 381 mm)

Diameter ____ 1 in. to 5 in. (25.4 mm to 127 mm)

Type ____ round or non-round

Color ____ translucent

Configurations Available: Single outfeed - Up to 4 sensors per line
Dual outfeed - Up to 2 sensors per line



Agr® reserves the right to alter design and/or specifications without notification.