



# Hot End Coating Measurement System



## Coating Thickness Measurement on Glass Containers

- Allows user to monitor the amount of coating applied to the body of the container
- Helps identify coating application problems
- Provides data to ensure efficient and consistent coating usage

**Agr's Hot End Coating Measurement System (HECMSystem) measures the hot end coating thickness on the bodies of glass containers. The amount of light that is reflected from a coated glass surface is measured and compared to a measurement taken from a known calibrated thickness standard. The HECMSystem then utilizes this data to determine the thickness of the tin coating, which is expressed in coating thickness units (CTUs).**

## **OPERATING PRINCIPLE**

To perform a measurement, the operator places a container on the turntable of the HECMSystem and clamps it in place. The operator then positions the pivoting scanning head against the container, where it is optically coupled to the glass by a thin film of index fluid. Once the desired height of the scan is set, the HECMSystem automatically rotates the container, taking spot readings around the circumference of the container. After the scan is completed, the minimum, maximum, and average coating thicknesses are digitally displayed on the front panel.

## **OPTIONS**

- Can be modified to accept containers of larger diameters.
- Bottle-height sensor

## **FEATURES**

- Pivoting scanning head eliminates the need for manual adjustments.
- Offers choice between index testing or spot testing.
- Measures coating thickness at up to 20 indexed positions around the container's circumference.
- Uses Index Fluid for accurate readings.
- Displays test results in an easy-to-read digital format.
- Downloads data to a PC or printer via RS-232 output.
- Reveals point-to-point variations in coating thickness.
- Eliminates false readings caused by mold seams.
- Accepts both narrow neck and wide mouth containers.
- Measures filled or empty containers.

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

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