



Hot-End Measurement System

HMS

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Hot-End Measurement

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At the Hot-End, glass containers are currently measured with go /no-go gauges, the only exception being weight measurement.

Characteristics such as lean, ovality and glass thickness are currently measured only at the Cold-End then the information is transferred back to the Hot-End, leading to a delay of more than one lehr-length.

Buss & Partner has now developed the HMS (Hot-End Measurement System). The HMS provides quick automated sample measurements of containers with high accuracy and can handle a wide product range. The HMS is constructed to be compact and simple to use yet robust to withstand the harsh environment.

Features:

Laser Dimensional Bottle Measurements

- height
- diameters
- finish dimensions
- lean, tilt, ovality
- non-contact internal bore diameter
- measurement range:
diameter = 10.0 - 118.0 mm
height = 10.0 - 405.0 mm
accuracy = < 0.1 mm

Non-Contact Glass Thickness

- precise optical measurements
- glass sensor is automatically positioned

Automatic Centering

- container automatically centered
- no mechanical job change duties

Statistical Analysis

- historical graphical data
- CPK analysis

Compact & Straightforward To Use

- designed to withstand the hot-end environment
- minimal operator training required
- machine size:
1210 mm x 650 mm x 1025 mm
(L x W x H)

Innovative Safety Protection

- no need to open/close doors
- machine automatically stops if a hand enters the measurement zone