

# LMS<sup>(TM)</sup> LASER MEASUREMENT SYSTEM

...The all-in-one measurement system for package dimensions and fill height

The Laser Measurement System LMS<sup>(TM)</sup> performs dimensional analysis on containers of various shapes and sizes, quickly and accurately. The LMS<sup>(TM)</sup> scans single-serve packages, large volume packages, and everything in between.



## Benefits:

- Quickly and accurately analyze of packages
- Virtually operator independent
- Intuitive, easy to use software
- Memory function of frequently tested container
- Flexible format of the data output
- Easy calibration
- Measures most empty and filled bottles
- Easy operation
- Integrated auto-feeder for higher capacity
- Integrated fill height measurement (optional)

## Advanced Software and Scan routines:

- Min/max diameter within height range
- Major/Minor Axis measurement of non-round containers
- Overall height
- Determines perpendicularity

## Functional description:

In addition to standard scanning functions, the LMS<sup>(TM)</sup> searches a region of the bottle, finds the smallest or largest diameter in that region, and scans the container at that specific location.

The Instrument is an excellent system for comparison data before and after the package is processed.

## Technical data:

### Laser Micrometer:

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| Measuring Range:    | 1.0 to 180 mm<br>0.03937 to 7.086 in                     |
| Measuring Accuracy: | +/- 10 µm (+/- 0.0004 in)                                |
| Resolution:         | +/- 1.2 µm (+/- 0.00004 in)                              |
| Laser Light Source: | Visible Red Semiconductor<br>(670 nm), 1 output, Class 2 |

### Positioning System:

|                          |                               |
|--------------------------|-------------------------------|
| Vertical Travel:         | 381 mm (15 in)                |
| Vertical Resolution:     | +/- 2.5 µm (+/- 0.0001 in)    |
| Rotary Travel:           | 360°                          |
| Rotary Resolution:       | +/- 0.005°                    |
| Auto-feeder Capacity:    | 12 containers                 |
| Safety Feature:          | safety shield & laser curtain |
| Fill Height Measurement: | optional                      |

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