



Mapex INSPECTION

Laser Based Fill Level Inspection -FLO-

Mapex Inspection provide a range of technologies for *Inspection, Sorting & Handling* on packaging lines. Included in the range are variety of laser based fill level inspectors – these devices use a class 1 laser to perform a highly accurate gauge of fill level performance on the production line.

Standard Electronics Console



Benefits :-

- + No Direct Health & Safety Implications
- + No NaCTSO priority status
- + Not impacted by Glass variations
- + Not impacted by Glass pigmentation
- + Not impacted by Temperature variation
- + Not impacted by Humidity variation
- + Not impacted by Sugar Content
- + Not impacted by Alcohol Content
- + Fob detection available
- + Modular Construction

Applications :-

- + Glass Bottles
- + Plastic Bottles
- + Paper Labelled Bottles
- + Sleeved Bottles



Standard Inspection head

The 12" TFT colour touchscreen console attaches to the inspection head by means of an umbilical cable, and can be used to interface with various other inspection functions on the packaging line.

Specification :

- Health & Safety** : There are **no** specific Health & Safety requirements (class 1 laser)
 There are no specific implications for pregnant or breastfeeding women as there are with radiation (www.hse.gov.uk select "Free Leaflets" select "Radiation" select "Working safely with radiation : guidelines for expectant or breastfeeding mothers")
- NaCTSO** : There is no National Counter Terrorism Security Office priority placed on Mapex laser based solutions; as there is on the radiological isotopes used in level gauges.
- Accuracy** : $\pm 0.25\text{mm}$ static (may degrade dynamically due to presentation)
- Containers** : Glass / Plastic / Labelled / Sleeved Bottles
- Speed** : Rejector dependent > 60K BPH
- Services** : 110/240V AC 50/60Hz
 100 psi (7 bar) via 1/2" BSP fitting (* only with pneumatic rejector)



Standard

- Underfill Inspection
- Colour TFT Touchscreen
- Reject Ram
- Stainless Steel Construction
- Elevating Mechanism
- Digital Height Gauge
- Height Setting Recorder
- Conveyor Mounting
- Audio / Visual Alarm
- Self Diagnostics
- HELP facility
- Programmable Line Controls
- Management Information
- Batch Counter
- Advanced Password Protection
- Auto Maintenance Programme

Optional

- Overfill Inspection
- Fob Detection
- Missing Closure Detection
- High / Cocked Cap
- Correct Cap Confirmation
- Servo Height Adjustment
- Label Inspection
- Bar Code Verification
- Variable Speed Operation
- Filler Valve Analysis
- Filler Tube Detection
- Machine Vision (mono or colour)
- Multiple Camera (max. = 8)
- OCR / OCV
- On-screen programming
- Menu structure selection
- Ethernet
- Modem

Rejection Options

The Mapex Inspection equipment range is designed for maximum flexibility. All equipment combines the principles of user friendliness, simplicity and robust build. Furthermore, equipment is *modular* so that it can be configured to suit specific user needs now or in the future !

-FLO- provides the perfect platform for packaging lines which require varying advanced inspection functions.

An extensive reference list is available.

REPRESENTED BY :

