

Fill Level Inspection - Laser -MID-

Mapex Inspection provide a range of technologies for *Inspection, Sorting & Handling* on packaging lines. Included in this 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

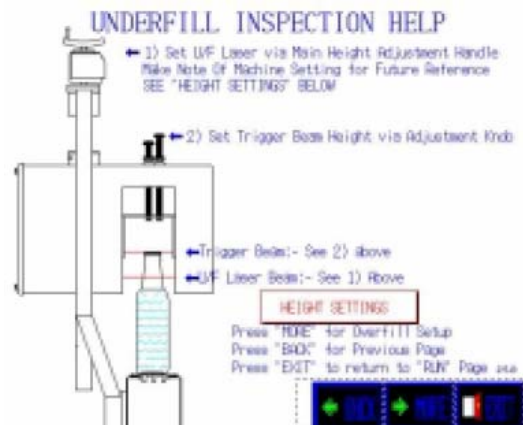
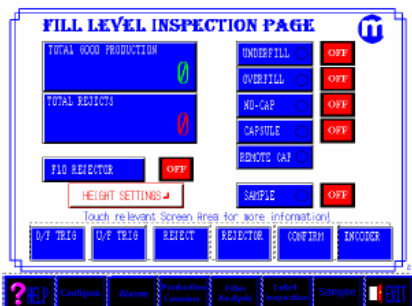


Benefits :-

- 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



The embedded 8” colour dual-scan touchscreen HMI provides greatly enhanced functionality of the inspection equipment via a standard fill level software suite.

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 :** ± 0.25mm 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
- 8” Dual-scan Touchscreen
- Reject Ram
- Stainless Steel Construction
- Elevating Mechanism
- Digital Height Gauge
- Conveyor Mounting
- Audio / Visual Alarm
- Self Diagnostics
- HELP facility
- Line Control Outputs
- Batch Counter

Optional

- Overfill Inspection
- Fob Detection
- Missing Closure Detection
- Variable Speed Operation

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, the equipment is **modular** so that it can be configured to suit specific user needs now or in the future.

The –MID- provides significant HMI benefits over the Mapex Inspection –ELM- device, but does not have the scope for expansion offered by the –FLO-. An extensive reference list is available for **Mapex Inspection**



Mapex Inspection

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