Our inspection systems for bottling lines

- **Logilook**
  - System for the control of the labeling quality; it checks all the bottle “clothing” by means of a single high-resolution camera and a special optical unit of our design and production. It is able to make the detection, however the bottle is oriented. In particular, it checks the presence, position, angle, graphic contents and integrity of the labels.
  - Possibility to check lot codes, barcodes, small details and colours. User-friendly interface for creating a new format or quickly loading a previously saved one.

- **Logipush**
  - Our range of “push” ejectors, or progressive diverters designed to gently move the containers to the side, resolves all problems related to ejection, diversion or division into rows.

- **Logisort**
  - New label and lot code presence system: an inspection level in-between normal photocell and camera systems. Very easy to use, but with powerful processing capabilities, it works autolearning the reference curve.

- **Logiweight**
  - It checks the weight of the crates, boxes, bundles and kegs, precisely detecting those that are non-conform due to missing containers or because the containers themselves are incomplete.
  - Self-learning of the reference weight.
  - Setting of range minimum and maximum weight.
  - Display precision: 1 gram.
  - Structure and electric box in stainless steel.
  - Manufactured in 3 modular units for easy installation, even in already existing lines.

Over 2000 systems installed in more than 50 countries in the world.

**Logics & Controls**

Via Venezia, 163/A - 43122 Parma - Italy
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e-mail: sales@logicscontrols.it
www.logicscontrols.it
These systems solve the problem of checking for the presence of every kind of cap, wire hood or capsule. They can act as an extension of the level control or, alternatively, as independent control systems.

Logilevel
A new multi-camera system combined with special flash lighting enables the transparency inspection of bottle sidewalls, from mouth to bottom, with quality and resolution better than ever before.

- High frequency or camera level control.
- Camera inspection of other details like lot code, seals, labels.
- Diagnostics of filling valves and capping heads.

LOGILEVEL PLUS
Characteristics similar to the Logilevel, plus:
- Totally automatic changeover through encoder-controlled motors.
- No need for calibration or self-learning.
- The format can be selected even by external systems.

LOGILEVEL TOUCH
Characteristics similar to the Logilevel, plus:
- Graphic interface with touch screen.
- Displaying of texts also in non-Latin characters.
- Displaying in real time of graphics, curves and trends.

LOGILEVEL
Characteristics similar to the Logilevel, plus:
- Self-learning of the reference level.
- Setting of range minimum and maximum levels.
- Displaying of counts and statistical data and transmission to external systems.

It checks with high precision the filling level inside glass or plastic containers, even if totally opaque, by means of a high frequency capacitive system.

Sealing inspection
A special angled light emphasizes the internal and external edges of the bottle mouth, detecting even the tiniest of chips and abrasions by means of a high resolution camera.

Bottom inspection
Also in this case our special optical unit enables the complete camera inspection of the bottom even of narrow-necked bottles, e.g. standard Bordeaux bottles.

Sealing inspection
These systems solve the problem of checking for the presence of paper or plastic labels, self-adhesive or with glue. It can operate on the conveyor or with sensors inside the labelling machine. It can be an extension of the level control or, alternatively, an independent control device.

It checks the tightness of large and small plastic bottles detecting leaks due to micrometric holes. It compresses the bottles laterally and analyses the instantaneous pressure variations that take place inside the container.

Our exclusive checking system allows a double analysis of the bottle passage curve; in this way the mechanism is simplified and the system is more compact. Self-learning of the reference pressure. Easy to clean and sanitize.

Residual liquid control
Thanks to a high frequency sensor designed for this application and a special guide, it detects with absolute certainty bottles with liquid residues. Particularly sensitive to very small quantities of caustic soda.
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Logilevel
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  - Setting of range minimum and maximum levels.
  - Displaying of counts and statistical data and transmission to external systems.
  - It can be extended to perform other checks even at different points of the bottling line, using the same control unit.

Logilevel Plus
- Characteristics similar to the Logilevel, plus:
  - Totally automatic changeover through encoder-controlled motors.
  - No need for calibration or self-learning.
  - The format can be selected even by external systems.

LOGILEVEL TOUCH
- Characteristics similar to the Logilevel, plus:
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LOGILEVEL PLUS
- Characteristics similar to the Logilevel, plus:
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LOGILABEL
- All LOGILEVEL models can be supplied with a floor mount.

LOGIQUEEZER
- It checks the tightness of large and small plastic bottles detecting leaks due to micrometric holes. It compresses the bottles laterally and analyses the instantaneous pressure variations that take place inside the container.
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LOGICAP
- These systems solve the problem of checking for the presence of every kind of cap, wire hood or capsule.
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LOGICORK
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- Particularly sensitive to very small quantities of caustic soda.

Sealing inspection
- A special angled light emphasizes the internal and external edges of the bottle mouth, detecting even the tiniest of chips and abrasions by means of a high resolution camera.

Thread inspection
- Through our special optical system, the thread image is emphasized, amplified and flattened on a black background. The camera sees a spiral that can be easily checked for chips and abrasions over all thread length.

Bottom inspection
- Also in this case our special optical unit enables the complete camera inspection of the bottom even of narrow-necked bottles, e.g. standard Bordeaux bottles.

Sidewall inspection
- A new multi-camera system combined with special flash lighting enables the transparency inspection of bottle sidewalls, from mouth to bottom, with quality and resolution better than ever before.

Camera-based inspection system for checking the quality, integrity and cleanliness of empty glass or plastic containers. Linear conveying system with four belts to guarantee stability. Extremely quick changeover.
These systems solve the problem of checking for the presence of every kind of cap, wire hood or capsule. They can act as an extension of the level control or, alternatively, as independent control systems.

It checks the closure of containers in plastic or glass, ensuring that the cap and the guarantee ring are in the correct position. The high resolution camera, combined with our special parallel beam optical system, ensures extremely precise measurements at any point of the image, without perspective distortion. Extremely user-friendly.

It can be extended in order to perform:
- High frequency or camera level control.
- Camera inspection of other details like lot code, seals, labels.
- Diagnostics of filling valves and capping heads.

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- **Logipush** and **Logisort**: Our range of “push” ejectors, or progressive diverters designed to gently move the containers to the side, resolves all problems related to ejection, diversion or division into rows.

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New label and lot code presence system: an inspection level in-between normal photocell and camera systems. Very easy to use, but with powerful processing capabilities, it works autolearning the reference curve.

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