LEAK DETECTION
MAIN FUNCTIONS

The technology, the structure and type of control used will vary according to the type of container and closure.

STANDARD INSPECTION

[depending to the configurations]

- VACUUM PRESENCE CHECK
- PRESSURE PRESENCE CHECK
- CONTROL OF CORRECT PRESSURE

FEATURES

- Acoustic or inductive technology
- No change to the existing line for installation
- Independent structure for eliminating noise and vibration and ensuring maximum accuracy and minimum maintenance
- Designed to be integrated with additional inspections
  - Minimum/maximum level control
  - Label presence
  - Monitoring

ADVANTAGES

- IMPROVE PRODUCTIVITY
  - Reduction of the number of rejects in case of malfunctioning of the capper through the control on consecutive rejects
- IMPROVE QUALITY
  - Eliminate customer complaints related to pressure leak
  - Eliminate customer complaints related to product deterioration for vacuum leak
  - Ensure product quality

TYPE OF CONTAINER

- Crown cap, twist-off cap, cans
  (In association with the correct sensors configuration)

Feasibility and accuracy of the system indicated in the PT System’s official Technological Warranties.
Leak Control

Ideal to ensure the compliance with the quality standards by checking the tightness of the containers filled and closed through the correlation between a non-destructive compression module and pressure measure, combined with the level control. This patented system allows to ensure the elimination of false rejects and the maximum control precision.

MAIN FUNCTIONS
The configuration of the leak detection system varies according to the material and the shape of the container and the type of the product contained inside.

STANDARD INSPECTION
[depending to the configurations]
☐ CLOSURE TIGHTNESS
☐ MICROHOLES ON BOTTLE NECK AREA
☐ UNDER/OVER PRESSURE

FEATURES
☐ Analog inductive sensor technology for measuring the pressure
☐ High frequency or X-ray technology for measuring the fill level
☐ Mechanical equipment located in a separate upper area of the machine to permit system to be washed down and allow easier access to parts
☐ Designed to be integrated with additional inspections
  - Label presence
  - Monitoring

ADVANTAGES
☐ IMPROVE PRODUCTIVITY
  - Reduction of the number of rejects in case of leak through the control on consecutive rejects
☐ IMPROVE QUALITY
  - Eliminate customer complaints related to product leak
  - Eliminate customer complaints related to product deterioration for incorrect tightness
  - Ensure product quality

TYPE OF CONTAINER
☐ All types of flexible containers
  (In association with the correct sensors configuration)
**MAIN FUNCTIONS**

The configuration of the leak detection system varies according to the material and the shape of the container and the type of the product contained inside.

**STANDARD INSPECTION**

[depending to the configurations]

- Correct internal pressure
- Closure tightness
- Absence of leak

**FEATURES**

- Analog inductive sensor technology for measuring the pressure
- High frequency or X-ray technology for measuring the fill level
- Designed to be integrated with additional inspections
  - Label presence
  - Monitoring

**ADVANTAGES**

- **Improve productivity**
  - Reduction of the number of rejects in case of leak through the control on consecutive rejects
- **Improve quality**
  - Eliminate customer complaints related to product leak
  - No change to the existing line for installation
  - Eliminate customer complaints related to absence of internal pressure
  - Eliminate customer complaints related to excessive internal pressure
  - Ensure product quality

**TYPE OF CONTAINER**

- All types of containers at least slightly flexible
  - (In association with the correct sensors configuration)
FTSYSTEM HAS A COMPLETE RANGE OF CONTROL AND INSPECTION SYSTEMS in order to ensure the high quality of your product allowing the optimization of your production reducing costs

FOR YOUR... PLASTIC LINE

FOR YOUR... GLASS LINE

FOR YOUR... CANS LINE

FOR YOUR... LABORATORY
FT SYSTEM

Founded in 1998, FT SYSTEM has specialised in the design and production of quality control monitoring systems along the entire bottling and packaging line. From the inspection of empty containers and caps to the fill levels, from the accurate capping to the leakage detection, from measuring the internal pressure of the container to the weight control, the label checking to laboratory analysis, FT SYSTEM guarantees the quality of your packaging products by optimising production and cost reduction.

INTEGRATED AND TOTAL QUALITY SOLUTIONS

The simple and intuitive multiple inspection stations along the entire packaging process can also be integrated into a single control panel for a total overview of the quality and production performance.

CONSTANT RESEARCH

The heart of FT SYSTEM is its R & D team, assisted by a developed network of partnerships with universities and international research centers, dedicated to the most innovative and non-destructive inspection technologies: high frequency, X-ray, infrared, optical, laser, artificial acoustic and visual analysis.

GAS SENSING

L PRO-GAS SENSING is a FT SYSTEM patented technology dedicated to laser spectroscopy. A revolutionary and innovative method, which has enabled the design and the realization of nondestructive instruments of analysis and measurement of gas inside closed containers. The main fields of application of L PRO technology are the bottling of wine, beer, water and soft drinks and even the wider industry and pharmaceutical industry.