



CAP INSPECTION



Cap Control

CT600-SE Series / TA600-SE / CF600-SE

Ideal to ensure the presence of the closures and the conformity with the quality standards.

MAIN FUNCTIONS

Different technologies for the cap/closure check.
The basic cap inspection system is available in different configurations.

STANDARD INSPECTION

[depending to the configurations]

- CAP PRESENCE
- HIGH CAP
- COCKED CAP
- FOIL PRESENCE
- METALLIC CLOSURES PRESENCE
- COLOR OF THE CAP/CAPSULE/CLOSURE

FEATURES

- Optical sensors technology
- Shape verification and basic inspection performed with smart camera
- No change to the existing line for installation
- Independent structure for eliminating noise and vibration and ensuring maximum accuracy and minimum maintenance

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 product leak due to incorrect capping
 - Guarantee of correct cap color and model to ensure the product's image
 - Ensure product quality

TYPE OF CONTAINER

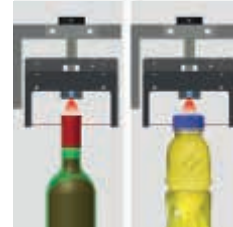
- All types of caps
(In association with the correct system configuration)



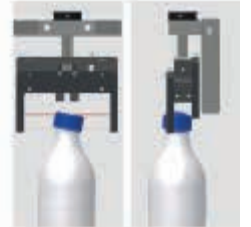
700 Series HMI [Advanced model]



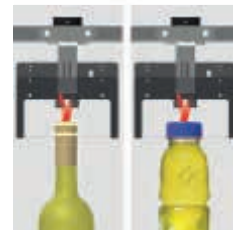
600 Series HMI [Basical model]



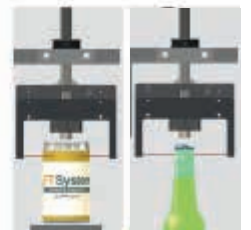
Cap presence ctrl



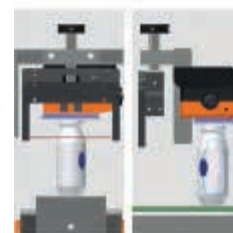
High /Cocked cap ctrl



Chromatic ctrl

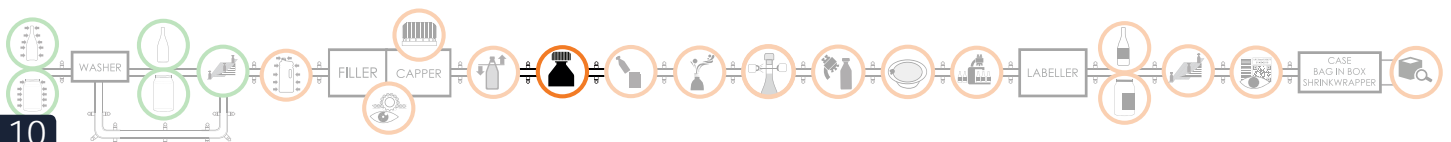


Metal closure detection



Foil presence detection

Feasibility and accuracy of the system indicated in the FT System's official Technological Warranties



Ideal to ensure the quality and the conformity of the capping and prevent rejects caused by the incorrect closure of the filled containers, distribution of products not intact, due for example to breakage of the security ring, or non-compliant, incorrect or incomplete printed logo, etc.

Cap Inspection



IT700-1VA / IT700-2VA / IT700-4VA

MAIN FUNCTIONS

The total cap inspection system is available in different configurations selected according to the specific inspection to be performed and the degree of precision

STANDARD INSPECTION

[depending to the configurations]

- ☑ CAP PRESENCE
- ☑ PRODUCT COMPLIANCE
- ☑ CAP INTEGRITY
- ☑ CAP POSITIONING
- ☑ SECURITY RING INTEGRITY
- ☑ BRAND INTEGRITY AND CORRESPONDENCE
[DEDICATED OPTIONAL CAMERA]

FEATURES

- ☑ Machine vision technology
- ☑ Configurable with 1, 2 or 4 cameras
- ☑ Specific lighting for maximum visibility of defects
- ☑ No change to the existing line for installation
- ☑ Independent structure for eliminating noise and vibration, ensuring maximum accuracy and minimum maintenance
- ☑ Designed to be integrated with additional inspections
 - Level control
 - Label presence
 - Brand inspection
 - Codes control/inspection
 - 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 product leak due to incorrect capping
 - Guarantee of correct cap color and model to ensure the product's image
 - Ensure product quality

TYPE OF CONTAINER

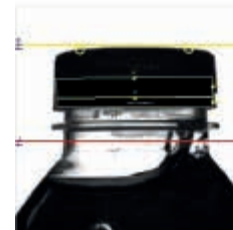
- ☑ All types of caps
(In association with the correct system configuration)



Simple and intuitive interface



Statistics/Results clear and understandable



Example with Flat cap



Principle - System with 2 cameras



Example with ROPP cap or similar



Principle - System with 1 camera

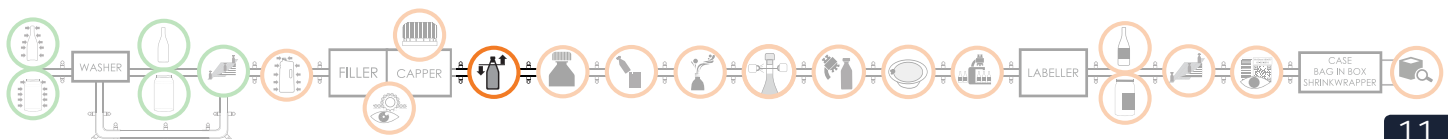


Example of brand insp.



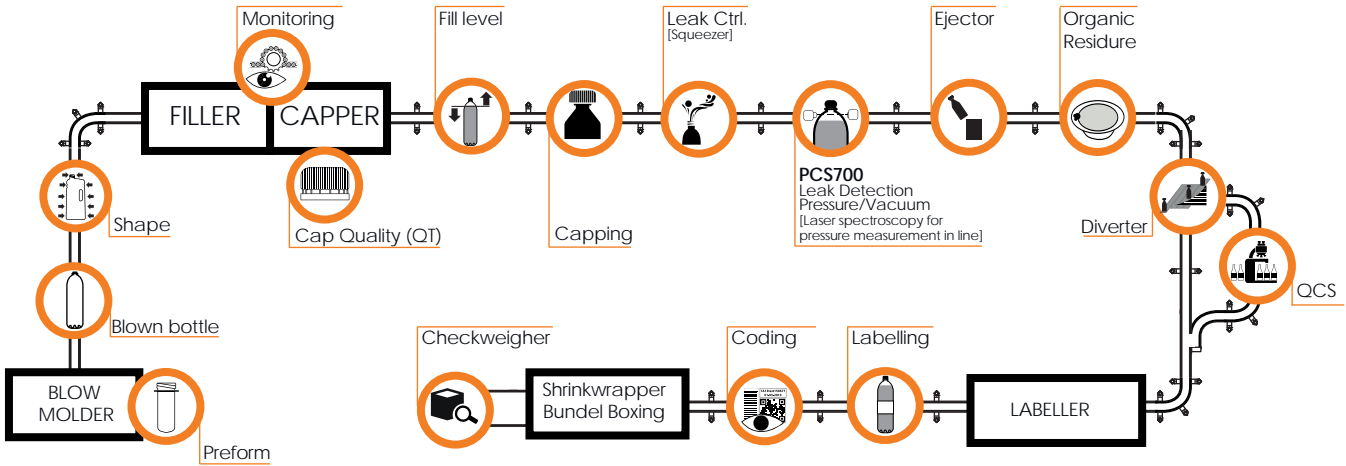
Principle of brand Insp.

Feasibility and accuracy of the system indicated in the FT System's official Technological Warranties

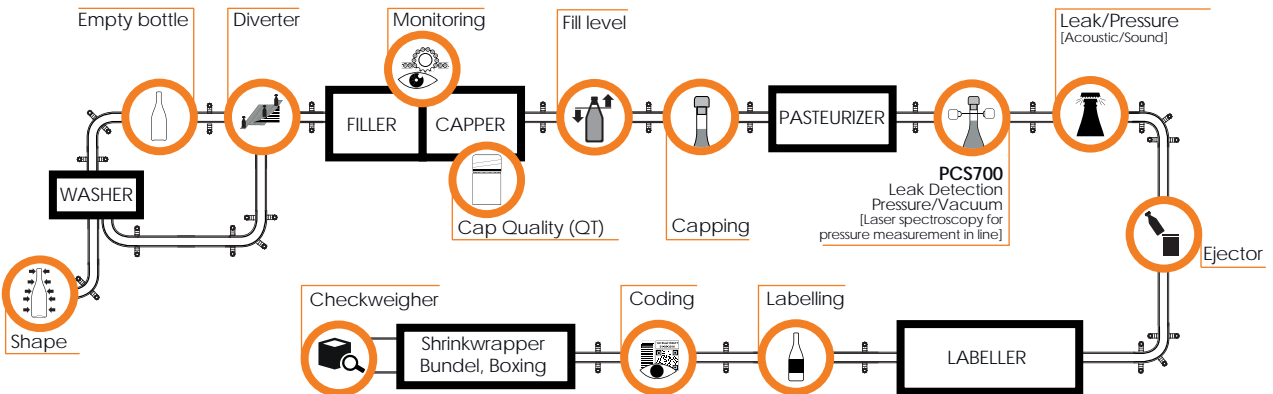


FT SYSTEM HAS A COMPLETE RANGE OF CONTROL AND INSPECTION SYSTEMS in order to ensure the high quality of your product allowing the optimization of your production reducing costs

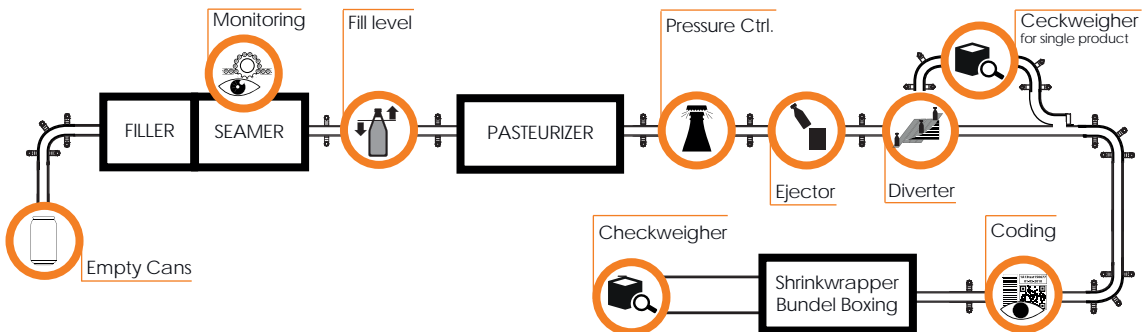
FOR YOUR... PLASTIC LINE



FOR YOUR... GLASS LINE

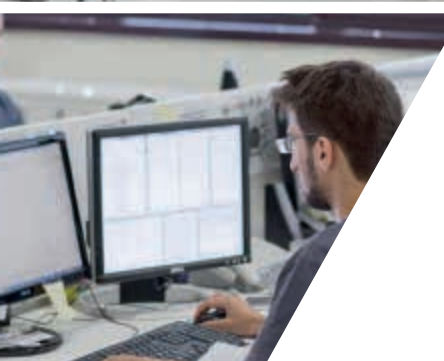


FOR YOUR... CANS LINE



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.

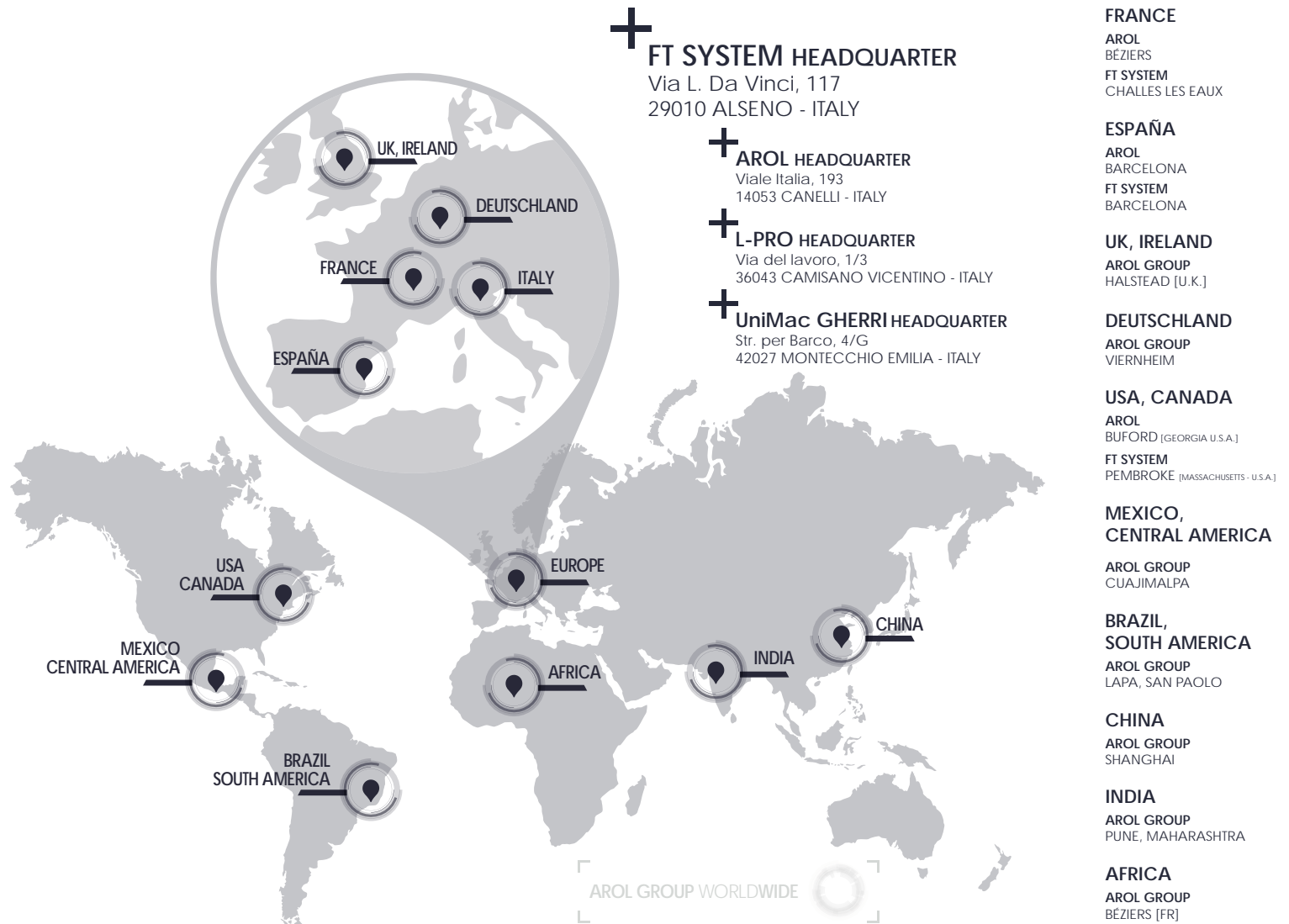
+ CONSTANT RESEARCH

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.



+ **FT SYSTEM HEADQUARTER**
Via L. Da Vinci, 117
29010 ALSENO - ITALY

+ **AROL HEADQUARTER**
Viale Italia, 193
14053 CANELLI - ITALY

+ **L-PRO HEADQUARTER**
Via del lavoro, 1/3
36043 CAMISANO VICENTINO - ITALY

+ **UniMac GHERRI HEADQUARTER**
Str. per Barco, 4/G
42027 MONTECCHIO EMILIA - ITALY

FRANCE
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BÉZIERS
FT SYSTEM
CHALLES LES EAUX

ESPAÑA
AROL
BARCELONA
FT SYSTEM
BARCELONA

UK, IRELAND
AROL GROUP
HALSTEAD [U.K.]

DEUTSCHLAND
AROL GROUP
VIERNHEIM

USA, CANADA
AROL
BUFORD [GEORGIA U.S.A.]
FT SYSTEM
PEMBROKE [MASSACHUSETTS - U.S.A.]

MEXICO, CENTRAL AMERICA
AROL GROUP
CUAJIMALPA

BRAZIL, SOUTH AMERICA
AROL GROUP
LAPA, SAN PAOLO

CHINA
AROL GROUP
SHANGHAI

INDIA
AROL GROUP
PUNE, MAHARASHTRA

AFRICA
AROL GROUP
BÉZIERS [FR]

AROL GROUP WORLDWIDE