



**ANTARES VISION**  
**GROUP** **FOOD**

# FOOD LINE

REFERENCE GUIDE





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 **ANTARES VISION GROUP**  
FOOD

**WEBSITE**  
[fssystem.com](http://fssystem.com)



 **YouTube**





**ANTARES VISION**  
**GROUP** **FOOD**

The next-gen of digitalization of  
products and supply chains

Our journey continues towards technological excellence,  
guided by **one shared vision** and the mission to **accelerate technological innovation**  
and digitalization by **connecting the physical and digital world** with the **integrated value chain**.

We aim to **protect and create value** for **brands, governments** and for all the **people**,  
to **improve the quality of life**.

## TRACK AND TRACE

Serialization and aggregation solutions

## QUALITY INSPECTION

Quality control for products, packaging and printing

## DIGITAL FACTORY

Performance and efficiency in manufacturing

## SUPPLY CHAIN TRANSPARENCY

End-to-end supply chain digitalization and end user connectivity

## SERVICE

360° support, 365/24 assistance

TECH

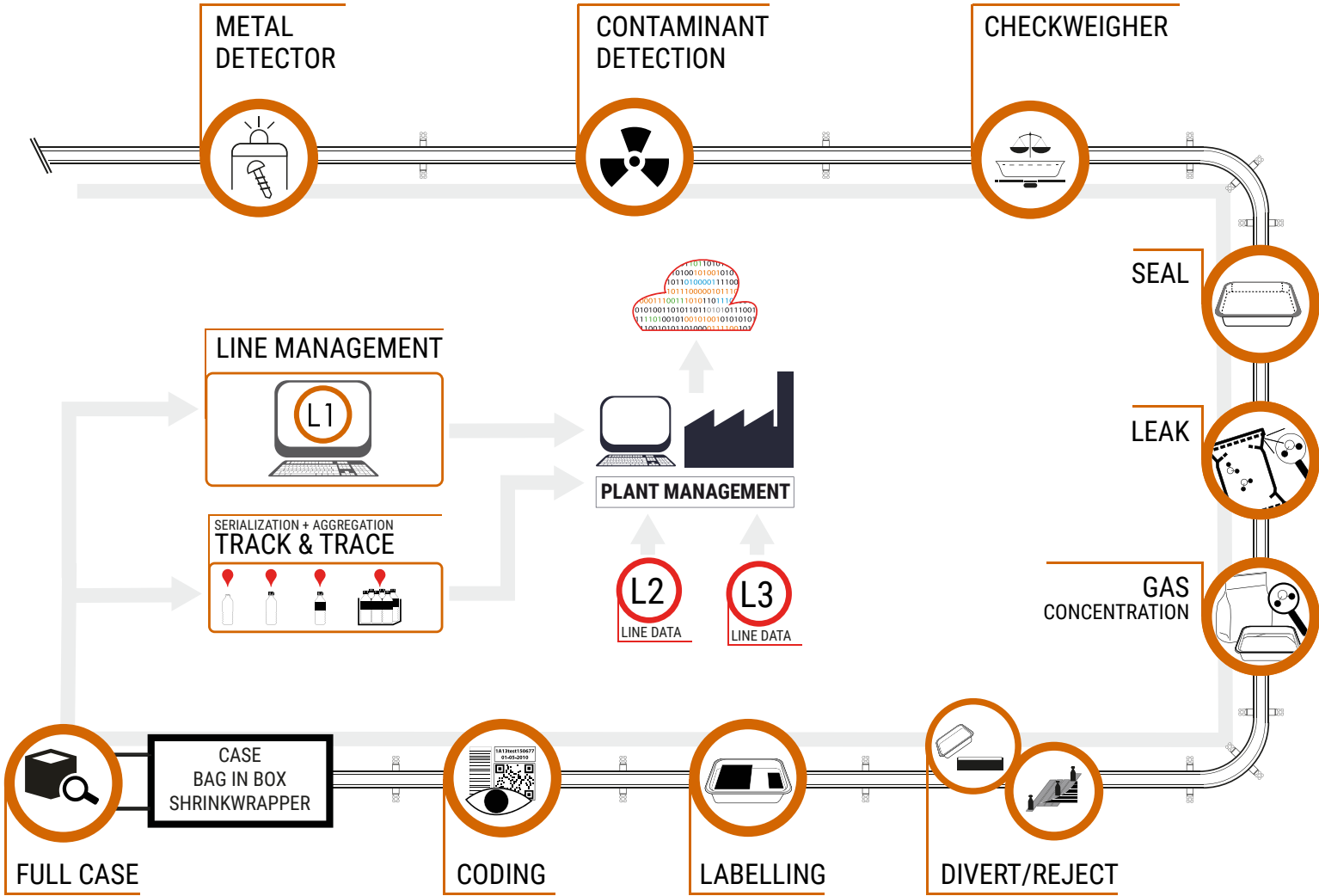
**FT SYSTEM**  
ANTARES VISION GROUP

Since 1998, FT System has developed technologies and competence in inspection aimed to guarantee the quality control of beverage products and packaging. Expertise and technologies that continue within Antares Vision Group

CHOOSE YOUR SOLUTION

COMPLETE RANGE OF INSPECTION AND TRACKING SYSTEMS to ensure the high quality of your product, optimize your production, and reduce costs

IN-LINE SOLUTIONS



LABORATORY ANALYZERS



EVO-P Series  
NON-DESTRUCTIVE  
GAS CONCENTRATION MEASUREMENT

### Lead your digital transformation in the production process

Take smarter, data-driven decisions to increase profit

- Control the entire production process
- Identify bottlenecks in the production process
- Facilitate a continuous improvement process by measuring your line Overall Equipment Effectiveness (OEE)
- Support the lean manufacturing processes by analysing production and supplier quality
- Optimize your production scheduling
- Improve your preventive maintenance and introduce predictive and prescriptive maintenance
- Measure your carbon footprint
- Empower your factory intelligence utilizing artificial intelligence



### From farm to fork, End-to-end supply chain digitalization

Discover the power of data to guarantee safe product journeys across your supply chain

- Trace everything in your supply chain forward and backward, from raw materials to finished goods
- Ensure food quality and safety
- Optimize recall management and investigations with high-quality granular data that can be accessed instantaneously
- Mobile app to track any batch, movement, and handler and add critical tracking events and key data elements at any location
- IoT-enabled monitoring to see products in real time and collect unit-level data about 12+ environmental conditions.
- Comply with regulations requiring transparency, traceability, and modernization
- Meet consumer demand for demonstrable product provenance, product information, and sustainability
- Seamless interoperability with all your trading partners

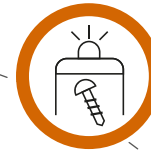


# ALL IN ONE

# ONE MACHINE...

**TECH FT SYSTEM**  
ANTARES VISION GROUP

CHOOSE  
YOUR CONFIGURATION



## METAL DETECTOR PHYSICAL CONTAMINANTS

- Metals



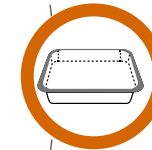
## X-RAY PHYSICAL CONTAMINANTS

- Metals • Glass • Stones • Bones
- High-density plastic



## WEIGHT CHECKWEIGHER

- Product weight
- Completeness check



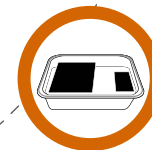
## SEAL INSPECTION

- Integrity
- Product or contaminants in the seal area



## IN-LINE LEAK DETECTION

- Micro leak
- Escaping gas detection



## LABEL INSPECTION

- Presence • Matching • Positioning
- Integrity • Codes



## CODE READING

- Presence • Matching • Positioning • Integrity
- 2D Code reading Barcode, QR-code, Data-Matrix
- OCR - Text reading [Lot, date, ...]

**ALL-IN-ONE | Configuration example**

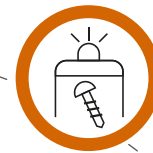
**IN-LINE LEAK DETECTION + PHYSICAL CONTAMINANTS + PRODUCT WEIGHT**

# ...MORE INSPECTIONS

A SINGLE MACHINE WITH SEVERAL INSPECTIONS INSIDE TO GUARANTEE THE QUALITY AND SAFETY OF YOUR PRODUCT

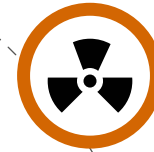
**TECH FT SYSTEM**  
ANTARES VISION GROUP

CHOOSE  
YOUR CONFIGURATION



## METAL DETECTOR PHYSICAL CONTAMINANTS

- Metals



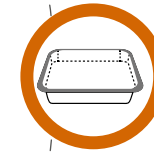
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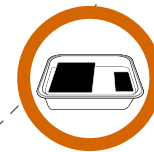
## SEAL INSPECTION

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## IN-LINE LEAK DETECTION

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## LABEL INSPECTION

- Presence • Matching • Positioning
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## CODE READING

- Presence • Matching • Positioning • Integrity
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**ALL-IN-ONE | Configuration example**

**IN-LINE LEAK + SEAL  
DETECTION INSPECTION + LABEL  
INSPECTION**

## METAL DETECTOR

By detecting the presence of metal contamination, our metal detectors for food provide effective protection against ferrous and non-ferrous metals (aluminium, stainless steel, etc.).

**TECH FT SYSTEM**  
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WITH MODULAR  
CHAIN CONVEYOR



SPECIFIC CONFIGURATION  
FOR BOTTLES AND JARS

### INSPECTIONS

- Metal presence

### MARKET



BULK PRODUCTS



BOTTLES & JARS



PACKAGED PRODUCTS

## PHYSICAL CONTAMINATION DETECTION [X-RAYS]

Our inspection technology uses X-rays to identify foreign bodies of different densities. It generates a grayscale image of the product and the software, through a multi-algorithm analysis, highlights any contaminants.

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**EJECTION SYSTEMS**  
PNEUMATIC CYLINDER  
EJECTOR, AIR BLAST, FLAP



**EASY-TO-OPEN DOORS**  
TOTAL ACCESS TO THE  
INSPECTION AREA

### INSPECTIONS

- Presence of
- Metal
  - Glass
  - Stones
  - High-density plastic
  - Bones

### MARKET



BULK PRODUCTS



VERTICAL PRODUCTS



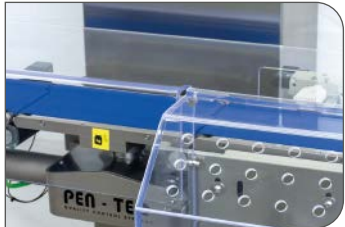
PACKAGED PRODUCTS



# CHECKWEIGHER

The checkweigher is a high-precision measuring instrument designed to check the weight of individual moving products.

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WEIGHING MODULE



EJECTION SYSTEMS:  
PNEUMATIC CYLINDER  
EJECTOR, AIR BLAST, FLAP



## INSPECTIONS

- Weight
- Completeness check

## MARKET



UNPACKAGED PRODUCTS



BOTTLES & JARS



PACKAGED PRODUCTS



VERTICAL PRODUCTS

# IN-LINE LEAK DETECTION

An innovative application of IR spectroscopy to detect inline holes and microholes in packages by checking for CO2 leakage (for MAP products), alcohol or a specific flavour.

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WORK EXAMPLE  
BAGS

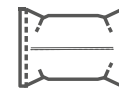


WORK EXAMPLE  
TRAYS

## INSPECTIONS

- Leak detection
- Escaping gas detection

## MARKET



BAGS - MAP Products

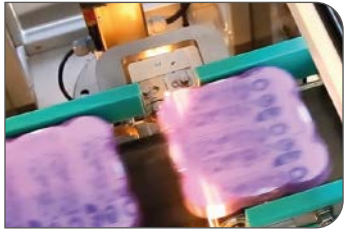


TRAYS - MAP Products

## SEAL INSPECTION

In-line sealing area inspection to detect the presence of products and physical contaminants. Available for transparent or coloured film and packaging through hyperspectral or artificial vision technologies.

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ABLE TO INSPECT TRAYS WITH PLASTIC COVER ALREADY APPLIED



ACQUISITION EXAMPLE AND REAL DEFECTIVE PRODUCT

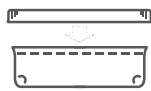
### INSPECTIONS

- Organic residue detection

### MARKET



TRAYS



TRAYS WITH COVER

## LABEL AND CODE INSPECTION

Inspection to check the quality of labels (alignment, positioning, items or brand, languages, etc.), codes (expired data, lot number, barcode, DataMatrix, QR code) and the correlation between single products and secondary packaging.

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LOWER SIDE INSPECTION  
INTEGRATED CAMERA AND LIGHTING SYSTEM



CONFIGURATION  
UPPER SIDE INSPECTION

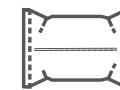


ACQUISITION EXAMPLE  
INSPECTION SYSTEM HMI

### INSPECTIONS

- Presence
- Matching
- Positioning
- Integrity
- Code reading

### MARKET



BAGS



TRAYS



# 31 COMPANY SITES

ITALY (7)  
[Global Headquarters]  
ARGENTINA (1)  
ASIA PACIFIC (1)  
BRAZIL (1)  
CHINA (1)  
CROATIA (1)  
FRANCE (3)  
GERMANY (1)  
INDIA (1)  
IRELAND (1)  
MEXICO (1)  
RUSSIA (1)  
SERBIA (1)  
SPAIN (1)  
SOUTH KOREA (1)  
UK (1)  
USA (7)  
[Incl. CANADA]



## ANTARES VISION GROUP

The next-gen of digitalization of  
products and supply chains

Our mission is to accelerate technology innovation and digitalization by connecting the physical and digital worlds with the integrated value chain. We empower our customers to protect product, profit, people and planet through a comprehensive technology ecosystem: inspection systems for quality control; track and trace solutions for anti-counterfeiting and supply chain transparency; and smart data management tools for maximized efficiency and digitalization of the supply chain, from raw materials to the final consumer.

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