



ANTARES VISION
GROUP **COSMETICS**

BEAUTY & COSMETICS

SOLUTIONS RANGE





 **ANTARES VISION**
GROUP



 **ANTARES VISION**
GROUP COSMETICS





ANTARES VISION
GROUP **COSMETICS**

The next-gen of digitalization
for products and supply chains

Antares Vision Group is an outstanding technology partner in **digitalization** and innovation to guarantee the **safety** of products and people, business **competitiveness** and **sustainability** through a unique and comprehensive ecosystem of **software and hardware solutions** for the beauty and cosmetics industry.

INSPECTION SYSTEMS

Quality control for products, packaging and printing

TRACK & TRACE

Unique digital identity for enhanced brand protection and product diversion control

SUPPLY CHAIN TRANSPARENCY

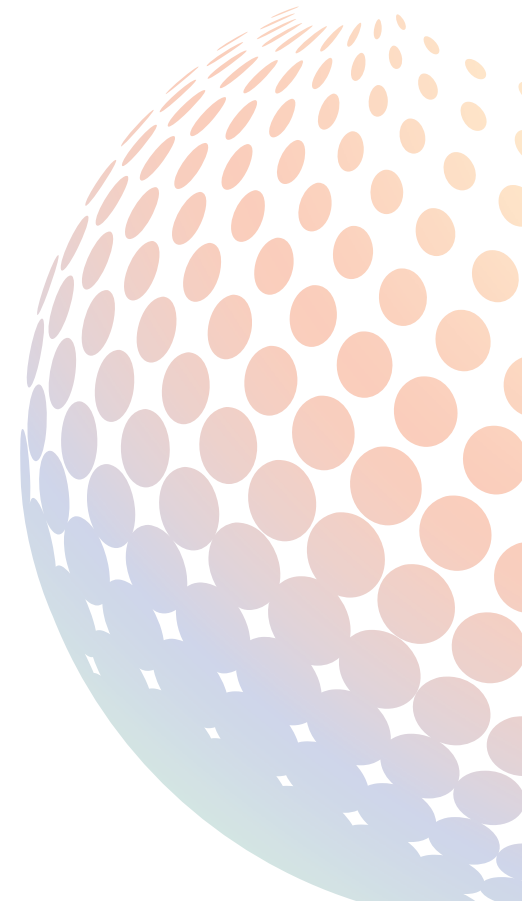
End-to-end digitalization for a safer product journey

DIGITAL FACTORY

Performance and efficiency in manufacturing

SERVICE SOLUTIONS

24/7 support

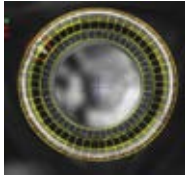




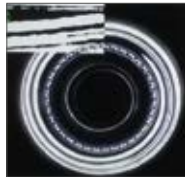
Empty bottles inspection

IV700/1000-IoT Series [VA | HF/RX]

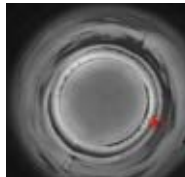
Ideal to ensure the compliance and quality of empty containers before the filling process. It reduces the number of jams and rejects due to the presence of contaminants, imperfections or defects in the empty bottles.



Neck finish defect



Thread defect



BASE foreign body



STANDARD INSPECTION

[depending on configurations]

✔ BOTTLE SHAPE

- verification at machine infeed
- DETECTION OF BROKEN OR DAMAGED CONTAINERS
- BOTTLES/CONTAINERS HEIGHT CHECK

✔ THREAD INSP.

- SCRATCHES, BUBBLES
- INTEGRITY

✔ BOTTLE BASE INSP.

- FOREIGN OBJECTS
- CRACKS, HOLES

✔ SIDEWALLS INSP.

- DOUBLE MODULE (inlet, outlet)
- BOTTLES SHAPE MATCHING
- BUBBLES, CRACKS
- FOREIGN OBJECTS, DIRT, ...
- DEFORMATIONS [slating neck, bird wings, ...]
- SCUFFING DETECTION

✔ RESIDUAL LIQUID DET.

- DEPENDING ON THE LIQUID, DIFFERENT TECHNOLOGIES ARE AVAILABLE
- [High Frequency, Infrared, Xray]



Fill Level inspection

CL600/700-IoT Series [HF | RX | IR | VA]



Ideal for detecting the fill level of the containers for brand protection and prevent legal disputes due to the distribution of non-compliant products. Different technologies available, as high frequency, X-ray, infrared technology or artificial vision, to assure maximum accuracy also in case of foam presence.



700-IoT Series



High Freq. 600 Series



X-ray 600 Series



Foam compensation system



X-Ray Conf.



Artificial vision based

STANDARD INSPECTION

[depending on configurations]

✔ FILL LEVEL DETECTION

- Reject for underfilled containers
- Reject for over filled containers

✔ STATISTICAL DATA

- [referred to the production]
- Fill level average
- Fill level standard deviation

✔ FOAM MANAGEMENT

- [Optional]
- Foam presence detection
- Foam compensation



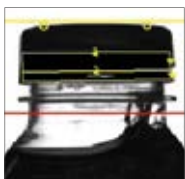
Cap Inspection

IT700-IoT Series [VA]

Ideal to ensure the quality and the conformity of capping. It prevents market claims due to incorrect closure of filled containers, distribution of products not intact, for example bottles not properly sealed, breakage of the security ring or non-compliant/incorrect printed logo on cap, lid.



SPORT cap



FLAT cap



STANDARD INSPECTION

[depending on configurations]

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



3D Full Label inspection

IE4000-IoT Series [VA]



Easy, complete and modular. The IE4000-IoT allows to inspect any type of labelling, at full speed line of production and without the orientation of the containers. This system guarantees the perfect image of each single product, and it monitors the performances of the labeler, alerting in case of anomalies before generating rejections. The picture is based on a 3D model. The modularity of the software allows to enhance the protection degree by adding just the inspection modules you need.



Real surface unwrapping



Full analysis tools



STANDARD INSPECTION

[depending on configurations]

- ✓ LABEL PRESENCE
- ✓ LABEL MATCHING
- ✓ LABEL POSITIONING
(VERTICAL, HORIZONTAL, ROTATION)
- ✓ LABEL AXIALITY
[BETWEEN LABELS]
- ✓ OPTIONAL: EMBOSS-LABEL AXIALITY
- 2D CODE READING
[BARCODE, DATAMATRIX, QR-CODE]
- CODE INTEGRITY
[LOT, EXPIRATION DATA, OTHER ALPHANUMERICAL]
- OCR - CODE READING
[LOT, EXPIRATION DATA, OTHER ALPHANUMERICAL]
- LABEL SURFACE ANALYSIS
 - INTEGRITY [MISSING PART, DEFECT, HOLE, FOLDS/WRINKLES, ...]
 - DETAILS [ALCOHOL CONTENT, YEAR, LOGOS, ...]
- CAPSULE/CAP CHECK [COLOR, VERTICAL POSITION, ...]



Code Inspection

IC700-IoT Series [VA for OCR/OCV]

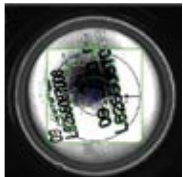
Ideal to ensure the fully compliance and reading of 2D (Barcode, datamatrix, ...) and alphanumeric codes (lot, expiration date, etc.), printed on the body of the container, on the cap or on the label by means of vision systems.



Laser printed codes



Printed code reading



Specific conf.
Ex. cans base

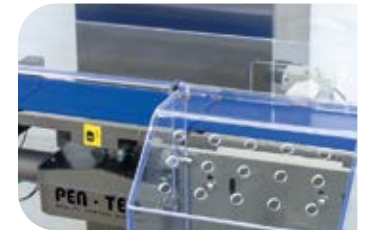


OCR on label
and containers



Checkweigher

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



Weighing module



Ejection Systems: pneumatic cylinder ejector, air blast, flap



STANDARD INSPECTION

[depending on configurations]

- ✓ PRESENCE
- ✓ MATCHING
- ✓ POSITIONING
- ✓ INTEGRITY
- ✓ 2D CODES READING [BARCODE / DATAMATRIX / QR-CODE]
- ✓ OCR / OCV – ALPHANUMERIC CODES READING [LOR CODE / EXPIRATION DATE / SERIAL N. / ...]

INSPECTION

- WEIGHT
- COMPLETENESS CHECK

MARKET



UNPACKAGED PRODUCTS



BOTTLES & JARS



PACKAGED PRODUCTS



VERTICAL PRODUCTS



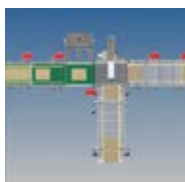
Weight control

CP600/700-IoT Series [TP / TCX]

Ideal to ensure the presence of all the elements and containers inside the final package. It verifies that the final and packed product has the correct weight, avoiding the shipping of packages containing foreign objects through dynamic measurement by mean of industrial load cells.



In-line example



Full optional configuration



Optiona insp. Label and code reading on case/box



Optional wet case detection



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.



Ejection Systems pneumatic cylinder ejector, air blast, flap



EASY-TO-OPEN DOORS Total access to the inspection area

STANDARD INSPECTION

[depending on configurations]

- ✓ TOTAL WEIGHT OF THE FINAL PACKAGE
- ✓ AVERAGE WEIGHT OF THE PRODUCTION
- ✓ STANDARD DEVIATION OF THE WEIGHT OF PRODUCED PACKAGES
- ✓ OVER FILLED OR UNDER FILLED FINAL PACKAGING

INSPECTION

- PRESENCE OF
- metal
 - glass
 - minerals
 - high-density plastic

MARKET



BULK PRODUCTS



BOTTLES & JARS



PACKAGED PRODUCTS



Z100 Series | Z200 Series [Push]
Z00X Series [Diverter]

Ejectors Diverters

Ideal to ensure the rejection or the deviation towards specific channels of non-compliant products, destined to analysis laboratory or particular working cycles.



Principle
Diverting systems



Stand Alone config.
[Ctrl Unit + Eject. Tab.]



Configuration
Diverter for heavy prod.



STANDARD INSPECTION

[Standard model/configurations]

✓ MONO-PUSH EJECTORS

✓ MULTI-FINGERS DIVERTERS

Laboratory Pressure / Vacuum

EVO-01 CO₂ / N₂ / V



Non-destructive and non-invasive laboratory instruments used to measure the pressure (total and partial), vacuum and gas concentration measurement (CO₂ dissolved, O₂ in the headspace, H₂O, etc) in closed containers. The system is based on laser spectroscopy technology and the test is simple, fast and repeatable. An unlimited number of tests can be conducted on the same container allowing a quality control in real time or to test new kinds of containers and closures.



EVO-01 N: LN₂ dosed
[Total Pressure]



EVO-01 V: Juice Ex
[Vacuum measurement]



STANDARD INSPECTION

[depending on configurations]

✓ EVO-01 CO₂

Ideal for the quality control in sealed bottles filled with carbonated products

- TOTAL PRESSURE*
- PARTIAL PRESSURE, CO₂*
- DISSOLVED CO₂
- MEASUREMENT TEMPERATURE

* at actual temperature and at 20°C]

✓ EVO-01 2

Ideal for the oxygen concentration monitoring [Ex. On Vacuum capper]

- O₂ CONCENTRATION

✓ EVO-01 N₂

Ideal for the pressure measurement in sealed bottles pressurized with nitrogen

- TOTAL PRESSURE

✓ EVO-01 V

Ideal for the vacuum level measurement in containers "on-vacuum" [Hot-filled / Pasteurized]

- VACUUM LEVEL



UNIQUE DIGITAL IDENTITY

for the next-gen of product traceability

- Generation of a unique digital identity for each packaged item, associated with a unique code
- Possibility to implement several types of coding and labelling (QR code, 2D Datamatrix, RFID, etc.)
- Identification of all packaging formats (eg. bundles, cases, pallets) thanks to serial number hierarchy
- Integration of any specific production or supply chain data into each unique digital identity
- Data management within a reliable and secure IT architecture
- Proven solution deployed on billions of SKUs within different industries

MANAGE RECALLS EFFICIENTLY

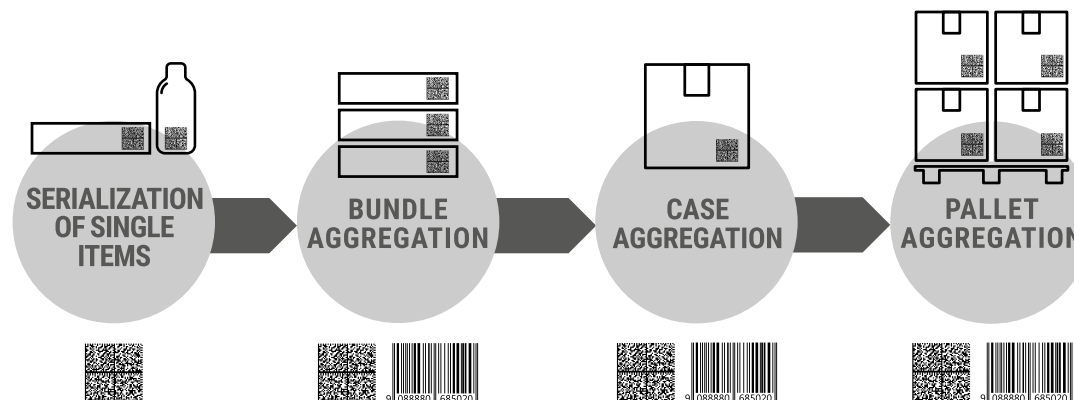
Enabling product identification at unit level, not at batch level, contributes to an efficient management of recalls, that can be extremely targeted to reduce costs and reputational damage.

CONTROL PRODUCT DIVERSION

Whenever a product is scanned at a location that does not match with the distribution plan, the system notifies all relevant stakeholders to deploy counteractions.

ENHANCE BRAND PROTECTION STRATEGIES

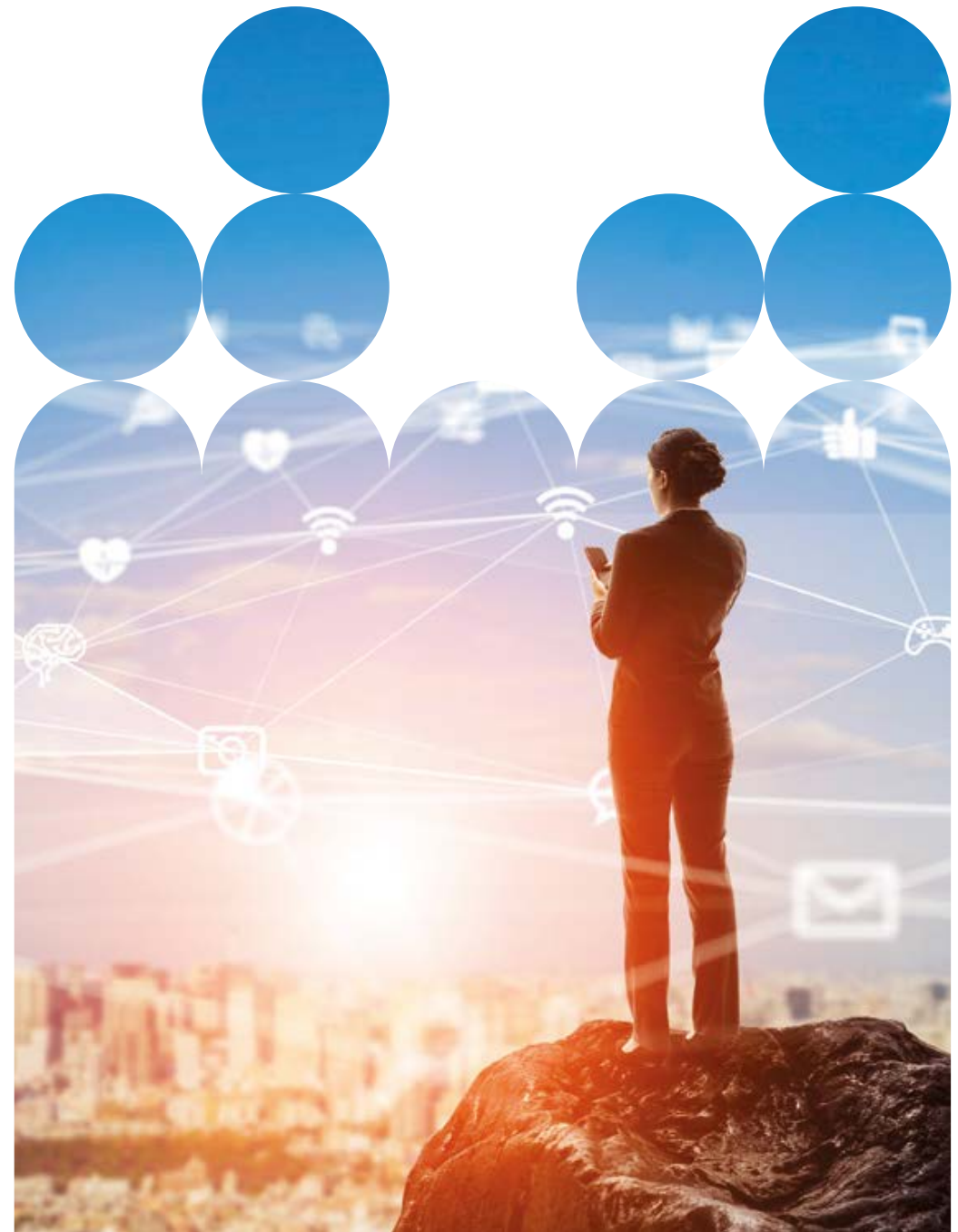
Every scan coming from the field identifying items not matching with authorized serial numbers will alert the company and inform the consumer in real time.



END-TO-END SUPPLY CHAIN DIGITALIZATION

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

- Trace everything in your supply chain forward and backward, from raw materials to finished goods
- Ensure product 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



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 analyzing 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



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**

Experience the power
of **TRUSTPARENCY**[®]

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.

www.antaressvisiongroup.com



ANTARES VISION S.p.A.

Headquarters: via del Ferro, 16 - Travagliato - Brescia - ITALY

T. +39 030 72 83 500 / F. +39 030 51 09 958

info@antaressvision.com / www.antaressvision.com