



**ANTARES VISION**  
**GROUP** **LIFESCIENCE**

TRACK & TRACE  
**AGGREGATION**  
**SOLUTIONS**



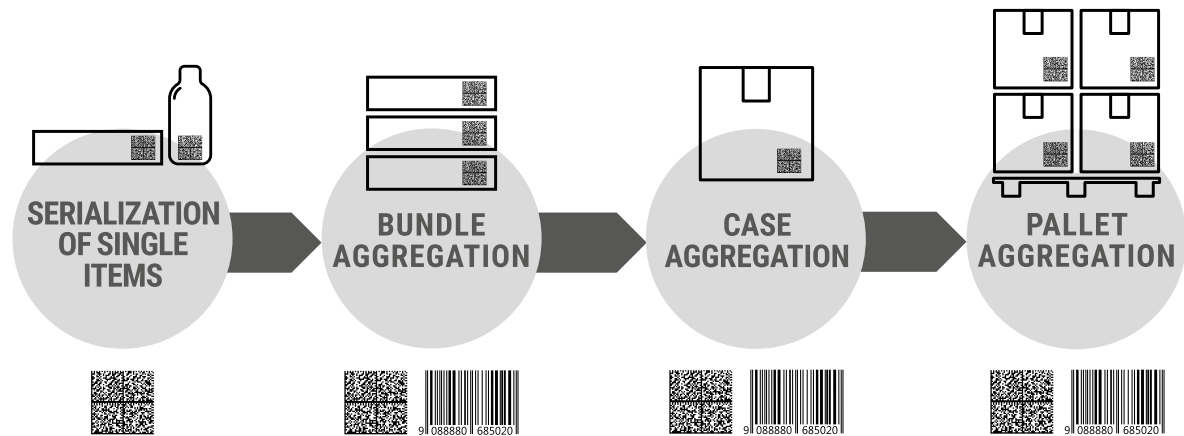
# CARTON AND BOTTLE AGGREGATION

is the process of building parent/child relations among all the logistic units (item, bundle, case, pallet) based on the hierarchy of serial numbers. By scanning the code of an aggregated container, we can identify all the items included.



## WHY AGGREGATION?

- To allow supervision and data integrity across the packaging and logistic process.
- To improve monitoring of line efficiency.
- To generate added value for corporate supply chain and warehouse management.



## AGGREGATING WITHIN YOUR WORKFLOW BUNDLING, CASE PACKING, PALLETIZING

Within the world's most comprehensive, reliable and widespread Track & Trace platform, Antares Vision can implement a wide range of aggregation solutions:

- in an automatic process, **fully integrated** on high-throughput bundling machines, case packers and palletizing stations.
- as a **semi-automatic or manual** procedure, with standalone modules designed for multiple end-of-line operations and higher flexibility across the packaging process .

Our team of **solution architects** can develop the most efficient configuration of aggregation systems both on **new equipment** and on **already existing** machines, according to specific line process requirements.

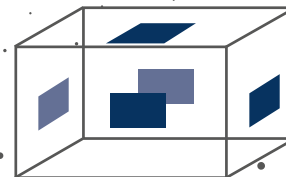
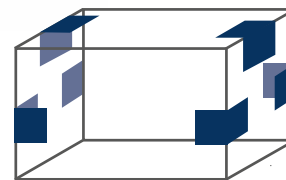
## AUTOMATIC LINES INTEGRATION

High resolution camera systems are integrated within automatic **bundling** machines and **case packing** stations, to read full layers/full rows of serial numbers for 100% aggregation control.



## PRINT & APPLY STATIONS

Standalone modules complete the aggregation process when bundlers or case packers cannot be equipped with onboard print & apply systems. Maximum flexibility is achieved with **flat labels** or **corner labels** application systems.



## SEMI-AUTOMATIC AND MANUAL OPERATIONS

Standalone **end-of-line aggregation stations** are designed to maximise productivity when performing operations at lower throughput requirements, also across multiple lines, from bundle creation to case and pallet.





## ANTARES VISION TRACKING SYSTEM

Easy-to-use dedicated software modules to manage serialization are part of the **Antares Vision ATS architecture**, capable of managing full traceability at all levels.

### STS / HTS / PTS Aggregation management software modules

- Support of automatic / semi-automatic / manual operations for the aggregation of bundles, cases, pallets according to specific working rules
- Generation of code hierarchy and automatic label printing for each type of container
- Easy management of de-commissioning and QA sampling
- Real-time serial number status check during production
- Unique GUI to manage settings of all installed functions

### WTS / Warehouse Tracking System

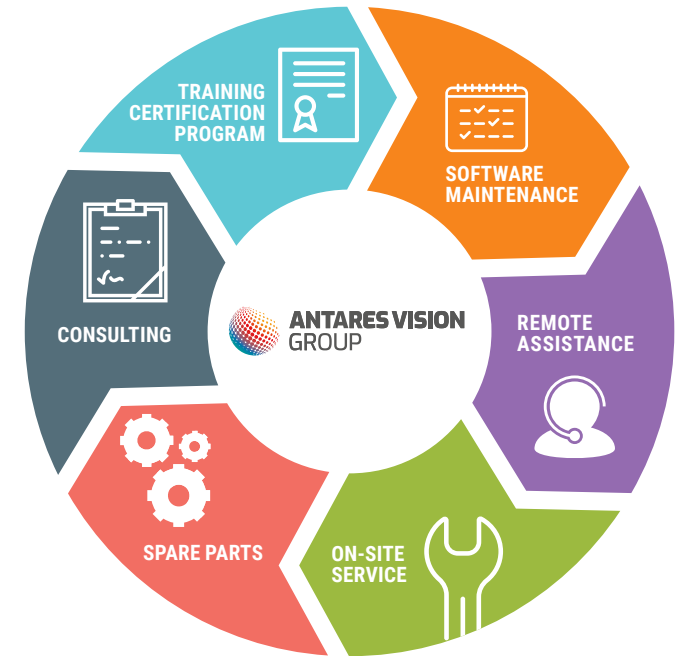
Software module managing data flow and logistics of serialized products in the warehouse and the distribution center.

Key functions:

- Post lot reworking
- Receiving / Returns management
- Shipment / Picking & Packing
- Monitoring / Supervising

### GLOBAL SOLUTIONS, LOCAL SUPPORT

Antares Vision solutions are delivered and supported both **centrally and locally**. A constantly expanding network of **qualified partners** worldwide allows optimized response times, cost-effectiveness and flexibility in all service and maintenance activities.



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.

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