



ANTARES VISION
GROUP — **LIFESCIENCE**

INSPECTION MACHINES

SOLUTIONS RANGE



Antares Vision range of **automatic, standalone inspection machines** is designed to inspect a wide range of products at a high throughput to ensure **detection of particles, cosmetic inspection, non-destructive integrity checks** and all other relevant **inspections**, with dedicated features for each type and format of products.

STRONGER BY DESIGN

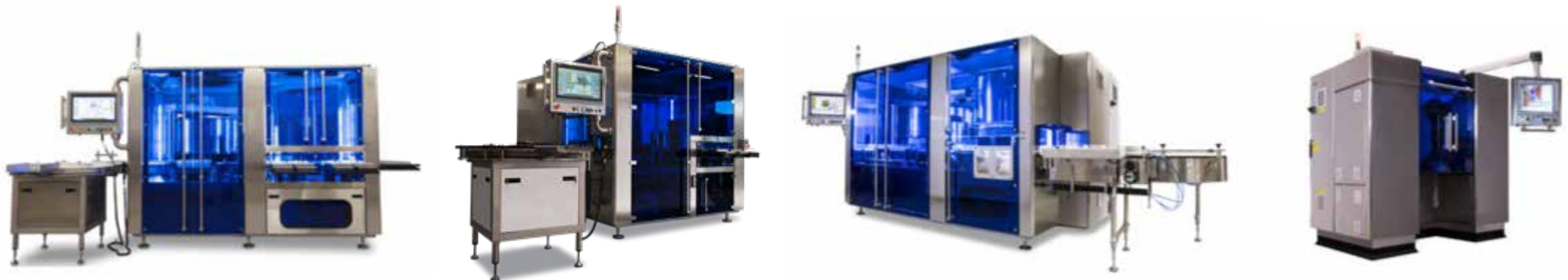
- **Fast and smooth product handling** with super-light grippers and guide-less conveying
- Patented **optical layout** solutions for optimal light source configuration and wider inspection capability
- Proprietary algorithms and powerful **image processors** for fast and smart elaboration of multiple **imaging and CCIT** data simultaneously

BENEFITS

- Maximized **stability and consistency of inspection**
- Enhanced **productivity** and product **quality** with 100% inline inspection of multiple types of defects at high throughput
- Highest **reliability** with multiple dedicated lighting and camera configurations to enhance defects and minimize the risk of false rejection or inaccurate inspections
- **Flexible design** approach integrating the best **visual inspection** capability and multiple **container closure integrity testing** technologies according to the product and container inspected
- **Reduced production costs** due to the effectiveness of the controls (e.g. decreased number of product recalls)

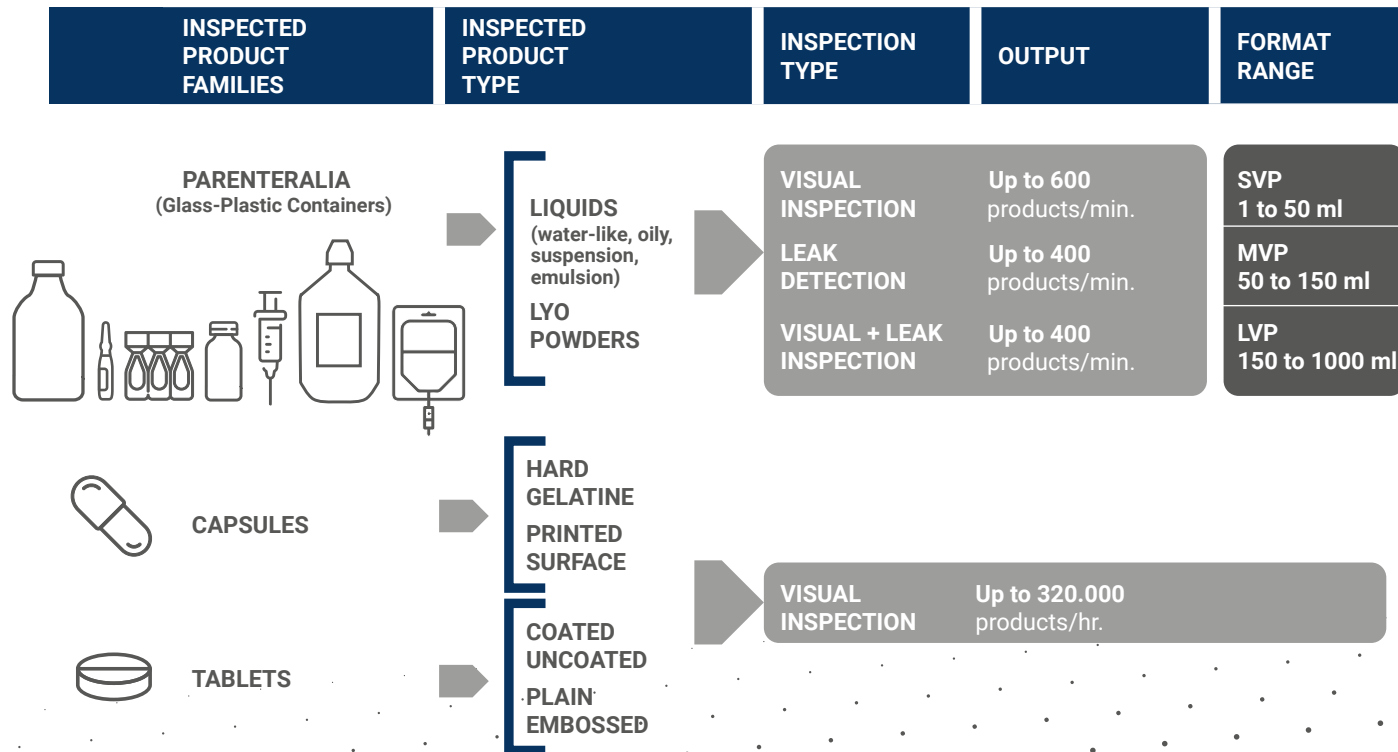
DISTINCTIVE FEATURES

- Patented mechanical solutions to ensure **wider inspection space**, higher accuracy, quick **format change** and easier maintenance operations
- Unique range of **advanced detection technologies** including: embossing recognition, container orientation, air bubble filtration, particle tracking in low-filled vials
- Integration of **serialization** for full product **traceability** within the production and packaging process: inline datamatrix code printing, real time code reading, serial data management
- Empowered by the AV Group **DIGITAL FACTORY** for real-time and historical data analytics (performance, quality), predictive and preventive maintenance, overall system efficiency



A MULTI-TECHNOLOGY PLATFORM, ENGINEERED FOR TOTAL QUALITY

Achieving manufacturing excellence is just the first step. From components, to architecture solutions including advanced connection systems, to new generation vision technologies allowing product testing on **any kind of container and product content**, from any angle, during different phases of the production process. A range of solutions designed to cover **small, medium and large formats** and to comply with the highest standards of **accuracy** and **reliability** in reproducible controls.



CCIT: A COMPREHENSIVE APPROACH

LEAK DETECTION

- **VDLD Vacuum Decay**
(100% container surface)
- **PDL Pressure Decay**
(100% container surface)
- **HVLD High Voltage**
(optimized in specific areas)
- **HSGA Head Space Gas Analysis**
(Typical for Freeze Dried)
- **RSI Raised Stopper Inspection**
(before capping, A-grade)

The **simultaneous availability** and a **combination** of these technologies is the right solution for **effective CCI testing**.

ADVANCED MACHINE SERVICING AND MAINTENANCE

PRELIMINARY

- Feasibility testing, Training opportunities, Virtual Acceptance Testing

AFTERCARE

- **Quick format change** assisted by automatic height adjustment of the handling carousel
- Easy access for **maintenance and cleaning** procedures thanks to the mechanical design including absence of a central column
- **Quick Restart** tool: faster component replacement and in phase restart after failure
- **Cyber Security** protocols: safer access for **remote assistance**, testing and upgrade activities
- Remote services with **dedicated helpdesk** provided by IM specialists

TECHNOLOGICAL EXCELLENCE FOR CONTINUOUS IMPROVEMENT

Antares Vision design, implement and maintain **tailor-made additional features** for all inspection machines based on **artificial intelligence**: through deep learning algorithms, the accuracy and reliability of results can improve over time, generating added value to your production.



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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