**PRESS RELEASE**

**At Pack Expo 2024, Antares Vision Group to Debut Versatile, High-Speed Serialization Station for Pharma Bottles of Various Shapes & Sizes**

***Company will also introduce serialization module for flat cartons, and demonstrate a high-speed automated visual inspection unit for liquid-filled vials.***

*Travagliato, Italy –* **Antares Vision Group** – a technological partner in the digitalization of products and supply chains for companies and institutions, and a leader in traceability and inspection for quality control – will introduce a sophisticated new traceability solution for pharmaceutical bottles at **Pack Expo**, November 3-6 in Chicago. At its **Booth S-3754**, the company will debut the **Omnivision Bottle Serialization Station** for round, square or rectangular bottles commonly used in healthcare applications. Other solutions that Antares Vision Group will showcase include the debut of a **standalone module for the offline serialization of flat cartons, and a high-speed inspection unit for liquid-filled vials.**

Across Antares Vision Group’s core strengths of traceability and inspection, the solutions showcased at Pack Expo share several commonalities. Perhaps most prominently, all three solutions – and in fact, the vast majority of the company’s overall portfolio – can be deployed as integrated modules into existing production environments. This inherent agnosticism amounts to a key compatibility element that substantially simplifies incorporation. Concerning traceability specifically, the company’s ultra-secure cloud-based systems enable end-to-end “full stack” connection of the physical and digital worlds. The holistic, fully validated, preconfigured, automated platforms span serializaition Levels 1 through 5, ensuring compliance and connectivity with partners and regulatory authorities.

**Versatile Automated Serialization Solution for Bottles**

Capable of handling a wide range of bottle sizes at speeds up to 300 per minute, the Omnivision Bottle Serialization Station can print unique helper codes on the top or bottom of each bottle, then perform a 360-degree reading of the unoriented bottle surface for recognition of printed serialized data and code association. This helper code is then used for subsequent manual or automatic aggregation phases, such as bundling or case packing. The system's seamless product handling ensures superior printing quality, and a lateral belt system provides bottle separation. Optional topsert inspection is available.

**Serialization Module for Flat Cartons**

Also at Pack Expo, Antares Vision Group will premiere a standalone semi-automatic serialization module specifically designed to handle flat, empty cartons and boxes. The **Print & Check FT** performs traceability functions including marking, recording, and serialization data verification. Flat cartons are loaded into a collector, which precisely feeds the conveyor belt. Cartons are then printed, with a high-resolution camera confirming data correctness and an end-of-belt reject system removing any erroneous ones.

The Print & Check FT can achieve line speeds up to 30 meters per minute, and incorporate up to four thermal inkjet printing heads. Other features include an 18.5-inch touchscreen for intuitive operation, a manual code reader for product identification and re-aggregation, adjustable rubber grips to accommodate various carton sizes, and a signaling column that monitors overall machine status.

**High-speed Visual Inspection & Leak Detection of Liquids in Glass Containers**

Antares Vision Group is also a market leader in automatic inspection solutions. At Pack Expo, the company will demonstrate an automatic **Visual Rotating Inspection (VRI)** system capable of inspecting up to 400 liquid-filled glass containers per minute. The machine combines sophisticated particle & cosmetic detection able to integrate with high voltage, vacuum, and headspace gas analysis (HSGA) technology-driven closure integrity verification at an exceptionally rapid production pace.

The machine allows for the precise detection of cosmetic defects and particles and checks fill levels. The VRI unit can inspect liquids in a wide variety of viscosities, including water-like, oily, suspension, gel, emulsion, lyophilized, and powder products. Vials are also inspected for cosmetic defects such as crimping quality, flip-off color, neck-shoulder sidewalls, and stopper position. Molded glass and plastic containers also can be inspected for particles and cosmetic defects.

Optional add-on features include code verification, optical character recognition (OCR)-optical character verification (OCR-OCV), and serialization incorporation.

A split-infeed screw setup provides smooth and reliable operation, preventing undesired stops and restarts. A main floating carousel with a torque motor-driven inspection platform allows ideal cleanability and single-point product handling (from the neck), providing a constraint-free optical setup and improving detection capabilities through enhanced Field of View (FOV) and Depth of Field (DOF). Guideless conveying utilizes vacuum-operated star wheels, minimizing container breakage risks and false rejects. Changeover for star wheels and grippers is approximately 30 minutes, thanks to a guided operations sequence that does not require mechanical adjustments. Inspection reconfiguration occurs intuitively according to recipe selection.

# # #

**About Antares Vision Group**

Antares Vision Group is driving digitalization of products and supply chains by leading traceability, inspection, and integrated data management. AV Group helps companies and institutions to achieve safety, quality, efficiency, and sustainability, enabling Trustparency®.

DIAMIND, AV Group’s integrated ecosystem of solutions, simplifies the technology environment and supports business growth by enabling a data-driven and tailored journey to digital innovation. Connecting physical products with digital identities, DIAMIND runs at the line, factory, warehouse, enterprise, and supply chain levels and guarantees product quality (inspection systems and equipment) and end-to-end traceability (from raw materials to production, from distribution to the consumer and back) through integrated data management, applying artificial intelligence and potentially blockchain.

AV Group operates in the Life Science (pharmaceuticals, medical devices, and hospitals), Beverage, Food, Cosmetics, Chemicals, and Packaging industries and potentially many others.

AV Group has been listed in STAR segment of Euronext since 14 May 2021. It has been included in the Euronext Tech Leaders index, dedicated to leading tech companies with high growth potential, since July 2022.

In 2022, Antares Vision Group recorded a turnover of €223 million. The Group operates in 60 countries, employs over 1,300 people, and has a consolidated network of over 40 international partners.