

24 October 2019

SEA Vision to Cphi / PMEC Frankfurt 2019

The brand new chemical inspection system for tablets that can also detect their Active Ingredient in preview for the European market, a revolutionary Suite to help pharmaceutical companies transforming toward 4.0 world, a remote customer assistance system: these are the solutions that SEA Vision will show at the P-MEC / CPHI fair, that will be hold in Frankfurt from 5 to 7 November.

PAVIA, 24 October 2019- P-MEC / CPHI, a fast-growing event that brings together exhibitors and experts from the world of pharmaceutical manufacturing and with a strong international character, represents the ideal context for presenting the latest SEA Vision developments and solutions. Let's look in more detail at the solutions that the SEA Vision Group will exhibit at its HALL 11.0, Stand D60.

HARLENIR

At the stand it will be possible to see HarleNIR, the vision system capable of carrying out qualitative analyses on solid products by mean of hyperspectral camera, rejecting the defective products in real time. HarleNir was created to prevent the risk of mix-up, identifying tablets that appears to be identical to all the others (in terms of shape and colour), but with a different chemical composition or with an incorrect concentration of the active ingredient. Usually in the pharmaceutical world the necessary uniformity tests of the active principles are carried out with off-line sample analysis using laboratory equipment. As an alternative to this

methodology, SEA Vision has now developed a system that is installed directly on the production line.

The result? Non-destructive 100% production control, shortened batch release times, and zero risk of having a non-quality product. HarleNIR is a revolutionary qualitative and quantitative vision system that combines **standard vision controls with a hyperspectral system that works in the Near Infrared spectral band (Near Infra Red)**, used to perform the analysis of the chemical composition of oral solid products such as capsules, tablets, both printed and covered, flat or with relief work.

The HarleNIR system is part of the so-called **PAT Tools**, or non-destructive controls, used to guarantee both production lines efficiency and pharmaceutical products quality. It is a technology that allows the analysis of the finished product directly in the production line, avoiding sampling and, therefore, **verifying 100% of the production**.

The HarleNir system can be integrated into blister or counting machines thanks to a series of advanced proprietary algorithms, which generate a data transmitted to the machine on which it is installed. To ensure correct data transmission, the **Ethernet D-Bus communication protocol** is used, to transmit very complex results to the machine in a very short time, below the **millisecond**. This attention to the integration between system and packaging machine represents a point of strength for SEA Vision, known not only as a developer of advanced and efficient software, but also for its integration capabilities.

YUDOO

YUDOO, the new SEA Vision branded **software suite** designed for the pharmaceutical sector, created to redesign the concept of line management, incorporating additional 4.0 applications. yudoo is a unified environment for **Business Intelligence** analysis that also includes additional modules: centralized control systems, KPIs on historical data,

data historicization, OEE Tools, real-time dashboards, integrated Track & Trace functions, predictive maintenance.

UBIQUITY

SEA Vision will show the Ubiquity software applied on a system, the definitive solution for a connected and safe work environment. In case of an operator's request, Ubiquity allows the SEA Vision **service team** to directly access the HMIs of any vision system installed on the packaging lines to offer operators timely **remote support**. The software is **integrated** into the new generation SEA Vision systems and is also applicable to older ones.

The appointment is in Frankfurt am Main, Germany, from 5 to 7 November 2019, HALL 11.0 Stand D60.

SEA VISION

SEA Vision has been a leading supplier of vision systems for the pharmaceutical industry for over 20 years and based its success on the qualitative excellence of its technological solutions. Nowadays, SEA Vision has installed in the world over 1000 complete systems of Track and Trace and more than 5000 vision inspection systems. Through consolidated expertise and continuous commitment to research and development, SEA Vision offers tailored solutions for cutting-edge projects with high complexity. Thanks to a network of sales and service facilities located in all major global markets, SEA Vision provides its worldwide customers with technical on-site support assistance. For more information, visit:

www.seavision.it