



VISION SYSTEMS AND SOFTWARE FOR THE **PHARMACEUTICAL INDUSTRY**



Vision
Inspection

4.0 Pharma
Software Suite

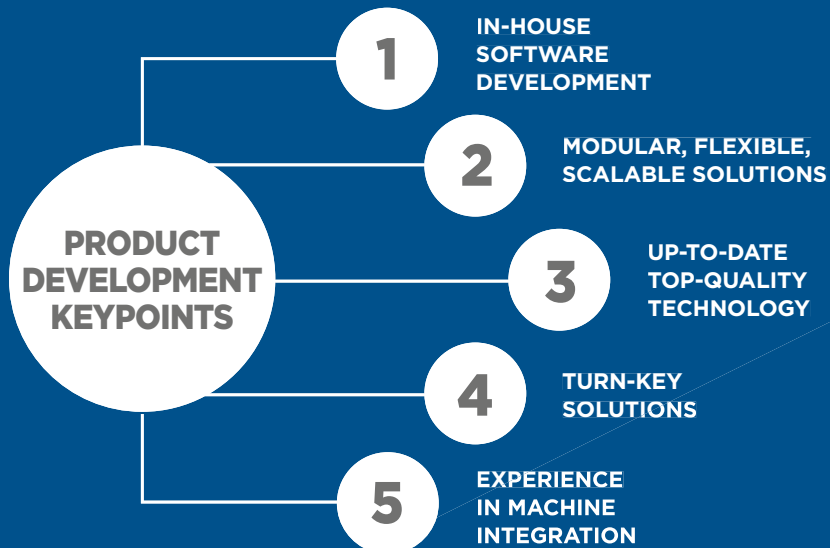
Serialization and
Aggregation



Who we are and what we do

SEA Vision is a company specialized in design and development of vision systems and software for the pharmaceutical industry.

With over 25 years of consolidated expertise in innovative projects and a constant commitment to research and development, SEA Vision provides to its pharmaceutical customers the best technological solutions even for high complexity projects.



NEXT GENERATION HARDWARE

Our Hardware Components (HMI panels, main units, cameras and battery packs) are specifically designed for the pharmaceutical environment, and are characterized by:

- › Industrial design
- › Optimal integration into machines electrical cabinets
- › Compact and ergonomic design
- › Latest generation miniaturized components
- › Miniaturized cameras with a wide range of resolution, from 0,5 to 48MPx
- › High quality and technology
- › EU/UL/CSA certification
- › Optimal interaction and usability

Our software is fully compliant with pharmaceutical industry requirements, with user access regulated by FDA 21 CFR Part 11 and Annex 11.

Vision inspection

We have a deep knowledge of manufacturing flows, quality standards and complexities of Pharmaceutical Industry. Our answer to these specific needs is a wide range of inspection systems designed to control products quality during the production and packaging process.

The result? Safe and reliable drugs, compliant, verified and tested in accordance with the higher international standards.

Example of controls:

PRESENCE

INTEGRITY

CORRECT COLOUR

CORRECT SHAPE

CORRECT COMPONENTS COMBINATION

PRINT QUALITY

CHARACTER INSPECTION

CODE READING

...and much more.

Example of products:



POWDERS
TABLETS
CAPSULES
BLISTERS
BOTTLES
SACHETS/STICKS/FLOWPACKS



AMPOULES
CARPULES
SYRINGES
GLASS VIALS
PLASTIC VIALS
NEST/TRAYS



INHALERS
PENS
DENTAL CUTTERS



SQUEEZABLE TUBES
JARS



PAPERBOARD TRAYS
PLASTIC TRAYS
BOOKLET/LEAFLETS
LABELS



CARTONS
BUNDLES
CASES
PALLET

- › 100% of products inspection
- › In line inspection
- › Non destructive analysis
- › Powerful proprietary algorithms
- › Possibility to combine multiple controls at the same time
- › Customizable systems
- › Results accuracy in real time
- › Accurate and fast image acquisition
- › Advanced controls powered by Artificial Intelligence

4.0 Pharma Software Suite

yudoo
Do, limitless.

Yudoo is the 4.0 software suite for the full management of automation processes, digital quality, data analysis and for Track&Trace. A digital hub that is everywhere accessible through a secure-access web interface or dedicated devices.

An IoT Kit consisting of a range of sensors, hardware devices and an IoT Gateway, allow Yudoo to interface with all types of existing machinery, regardless of their capability of digital data exposure.

DIGITAL AUTOMATION

Centralized management of production, workflows and timesheet, real-time shopfloor dashboard

DIGITAL QUALITY

A complete tool set to manage all your quality requirements in pharmaceutical production

DATA ANALYSIS

OEE analysis of production data, business intelligence dashboard, condition monitoring and predictive maintenance

TRACK AND TRACE

Natively integrated T&T solutions, warehouse reworking and monitoring of serialization operations

VISION SYSTEM INTEGRATION

All SEA Vision systems are integrated with yudoo with Input/Output data transfer

Serialization and Aggregation

We develop complete solutions for Serialization and Aggregation designed to allow End-users (Pharmaceutical companies both CMO and Brand-owners) to achieve the total control of their products along the supply chain.

Our software cover every level from 0 to 4 defined by the ANSI/ISA 95 standard, and can be installed on all the packaging machines provided by the main packaging machine manufacturers (OEMs) on the market.

SOFTWARE FOR TRACK&TRACE

Natively integrated with yudoo, our Level 4, Level 3 and Line software, are designed to be future-proof, to always keep up with Track&Trace regulations while safeguarding pharmaceutical productivity.

- › Serial number provisioning, self-generation and management between CMO and MAH
- › Serial numbers printing and inspection
- › Commissioning and Aggregation
- › Warehouse operations
- › Communication with the Level 5 National regulatory authorities

FLEXIBILITY AND INTEGRATION

Our aggregation software can be integrated with all system solutions on the market, helping customers not satisfied with their current serialization provider, to meet with no worries global aggregation deadlines.

MANUAL WORKSTATIONS

The offer for Track&Trace includes a complete series of Serialization and Aggregation workstations:

- › Manual packaging processes at bundle and case level
- › Labels and flat cartons serialization, printing and inspection
- › Cartons serialization and cartons to case aggregation
- › Post packaging reworking



SALES AND CUSTOMER SERVICE

Headquartered in Italy, we have direct branches in many countries worldwide **to offer local technical and commercial support.** You can find us in the USA, Spain, France, Brazil, Argentina, Mexico, Russia, and China: find below our offices and contacts.



**Professional team
of 330 skilled
people**



**Worldwide network
with global support
capabilities**



**Customer care
department offering
24/7 assistance worldwide**

FOLLOW US



LET'S TALK

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