

INSPECTPROOF™

A POWERFUL INSPECTION SOLUTION



PHARMA



MEDICAL DEVICES



FOOD AND BEVERAGE

OPTEL's **InspectProof™** is a scalable vision inspection system that combines the power of 30 years of expertise and innovative technologies proven in thousands of applications and several industries such as pharma, medical devices, food and beverage.

This automated vision inspection system reliably inspects the physical characteristics and presence of components contained in kits and trays, labels, vials, blisters, cartons, cases and more. It also inspects fixed and variable data on labels, webs, direct-marked products, flip-offs and other packaging. It is truly scalable and ready for serialization.

InspectProof™ is available in three different display options and configuration levels* to adapt to the requirements and space constraints of your packaging lines.

InspectProof™ increases overall line performance and quality assurance to help manufacturers avoid recalls linked to mislabeling and rejects related to product integrity.

This high-performance solution reduces downtime, false rejects and rework, resulting in greater line efficiency.

Whether you are looking to automate quality checks in your packaging lines or to comply with regulations, **InspectProof™** offers a complete solution that adapts to your reality and gives you the flexibility you need to succeed in the new manufacturing era of Industry 4.0.



INSPECTPROOF™

KEY FEATURES

- More than 60 functions in four inspection categories:
 - **Product inspection:** Unit dimensions, shape, color, direct product marking (embossed codes)
 - **Packaging inspection:** Packaging integrity, seal inspection, inserts, topserts and sideserts, cap and tamper-evident seals
 - **Kit inspection:** Component presence, shape and dimensions
 - **Labeling and printing inspection:** Label presence, orientation, print positioning and quality, artwork and variable data, verification of characters (OCV/OCR on lot, expiry date, DIN/NDC, label ID and serial number), online grading of linear barcodes and 2D codes (Data Matrix) according to ISO/IEC standards
- FDA 21 CFR Part 11 compliant
- Full reporting
- Scalable configuration
- ERP connectivity
- Ready for traceability

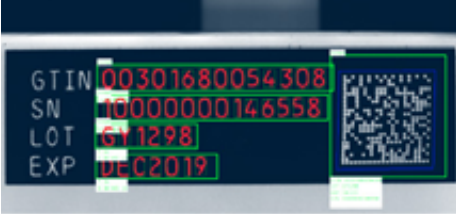
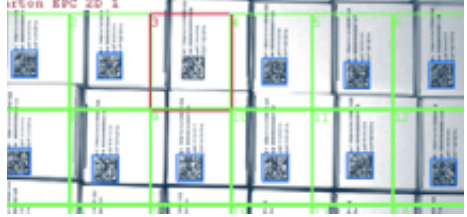




BENEFITS

- Unlimited recipe storage
- Configurable alarms
- Fully integrated product tracking
- Data management tools: Connectivity with ERP system, batch record and device control
- High accuracy (low false-reject rate)
- IO control: Stand-alone units (PLC integration possible, but not required)
- No contact with product
- Toolless changeovers for quick and simple software setup
- Compact design for easy integration
- Optimized systems
- Integration including IQ/OQ documentation

		STANDARD	INTERMEDIATE	ADVANCED
PERFORMANCE	ACQUISITION SPEED	Up to 200 PPM	Up to 400 PPM	Up to 1,200 PPM
	MAX RESOLUTION	0.2 MP to 48 MP	0.2 MP to 48 MP	0.2 MP to 48 MP
	TRACKING CAPABILITIES	Non-serialized products	Non-serialized and serialized products	Non-serialized and serialized products
	VISION SYSTEM	Up to two cameras*	Up to four cameras*	Unlimited cameras or contact image sensor (CIS)*
AVAILABLE OPTIONS	UPS		24 V	120/240 V
	HMI	15» or 21.5»	15» or 21.5»	15» or 24»
	SERIALIZATION SOFTWARE TOGGLE		●	●
	DATA INTEGRITY	●	●	●
	REMOTE HMI	●	●	●
TYPICAL INSPECTIONS	LABELING AND PRINTING	●	●	●
	DATA MATRIX PRINTED ON CARTONS	●	●	●
	OCV AND BARCODES	●	●	●
	UNIT DOSE IN BLISTERS	●	●	●
	COMPONENT PRESENCE	●	●	●
	SEAL INTEGRITY	●	●	●
	AGGREGATION		●	●
	UNIT DOSE IN SLAT COUNTERS		●	●
	LARGE WEB PRINTS			●
	UNIT DOSE IN ELECTRONIC COUNTERS			●

* The configuration of the system will depend on the specific requirements of your project and may change after a vision study of the project is performed.

APPLICATION EXAMPLES

STANDARD	INTERMEDIATE	ADVANCED
<p>LABELING AND PRINTING INSPECTION</p> <p>OCV/OCR and barcodes</p> <p>Verification of variable and fixed data (OCV/OCR) printed on cartons</p> 	<p>LABELING AND PRINTING INSPECTION</p> <p>Aggregation inspection</p> <p>Verification of print quality as well as serialized and aggregated data printed on cartons, cases and pallets</p> 	<p>LABELING AND PRINTING INSPECTION</p> <p>Large web inspection</p> <p>Verification of print quality and serialized data of unit doses on large web prints</p> 
<p>KIT INSPECTION</p> <p>Component presence</p> <p>Verification of component presence, position and characteristics of medical kits in boxes</p> 	<p>PACKAGING INSPECTION</p> <p>Seal integrity</p> <p>Verification of seal quality and detection of contaminants in thermoformed plastic trays</p> 	<p>PRODUCT INSPECTION</p> <p>Unit dose inspection</p> <p>Verification of the quality and physical characteristics of products on electronic counters</p> 

ABOUT OPTEL

OPTEL is a global company with manufacturing sites on four continents and 600 employees around the globe. The company has 30 years of proven expertise in developing and deploying track-and-trace, vision and traceability systems for the world's leading pharmaceutical, food and beverage, and agrochemical brands. OPTEL is a Certified B Corporation and co-founder of the Canadian AI supercluster for supply chains (Scale AI).



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