

SCANWARE.DE

Inspection Systems

for Pharma, Cosmetics & Food

Quality is visible.



Welcome to scanware

As an owner-operated enterprise working globally, scanware provides quality optical inspection systems for global players in the pharma, cosmetics & food industries. Our systems offer ease of use to the operator and productivity increase to the decision maker. Developed in-house and with flat hierarchies, scanware works solution-based and with the customer at the center, every day.



Highest security
& failure-safety



In-house
development



Partnership
& trust

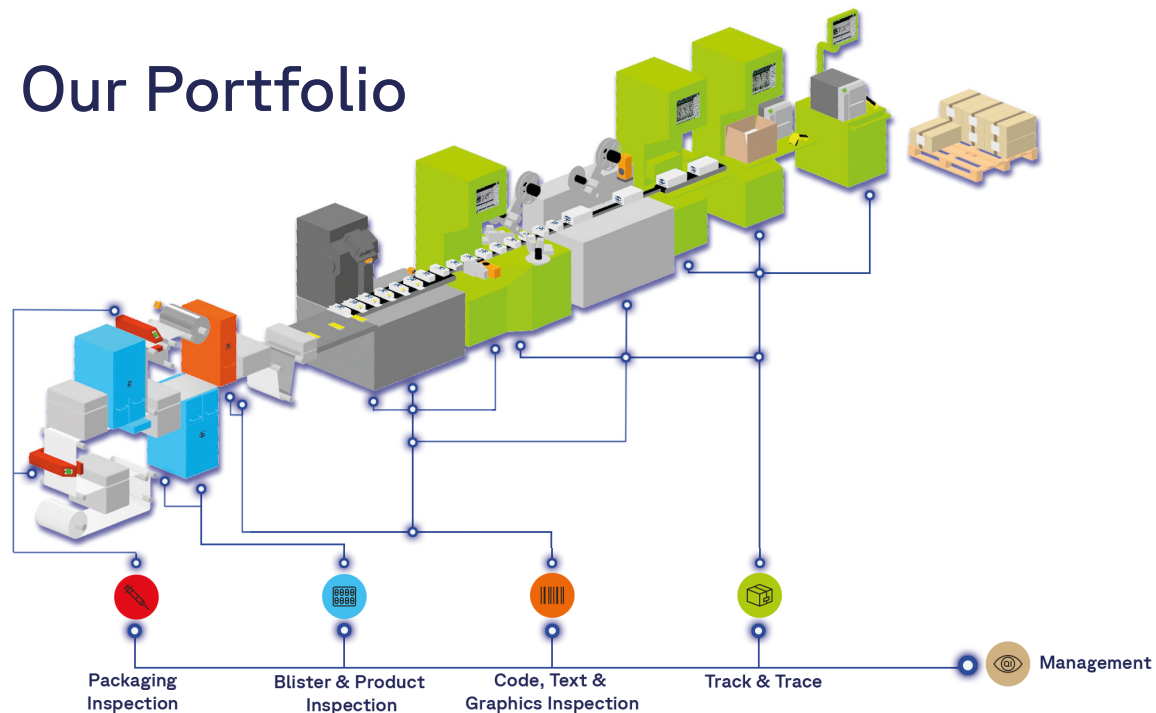


Customisable
to optimise
productivity



User-friendly
& intuitive

Our Portfolio



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IMPERA MANAGEMENT

IMPERA Line Management



Machine and device control on the packaging line, with serialisation, aggregation and rework as required.

HIGHLIGHTS

- Modular, upgradable and intuitive
- Compatible with all scanware products
- User interface can be configured to specific preferences
- All managed Level 1 systems integrated onto the GUI
- Decentralised real-time data communication and centralised management of batch data
- Centralised user management/automated line management
- Fully compliant with 21 CFR Part 11

EXAMPLE LEVEL 3 INTERFACES





PATERA PACKAGING INSPECTION

PATERA FOCON Pinhole Detection



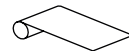
Optoelectronic inspection system for the detection of pinholes and microfissures in aluminium foil.

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HIGHLIGHTS

- Increase productivity by inspecting material before filling
- Easy to integrate on new or existing blister and sachet machinery
- Large, easy-to-read touch screen
- Electronically adjusted to your required detection sensitivity
- Access control as per GMP requirements
- Available for widths up to 1,600 mm and with different mounting options

APPLICABLE OBJECTS



Aluminium foil



Formed aluminium
blisters

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PATERA PACKAGING INSPECTION

PATERA CL Colour Parenterals Inspection

Packaging inspection of pharmaceutical products intended for administration bypassing the intestinal tract, such as ampoules, vials, syringes and carpules.



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HIGHLIGHTS

- Optimised algorithms for a variety of products
- High-end cameras for precise colour separation
- Extraordinary speed and reliability
- Ideal for unique products and mixed product packaging
- Quick product changeovers on the line
- Adjustable illumination for homogenous and reproducible lighting
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



Ampoule



Carpule



Vial



Syringe



Product
in tray



Mixed
tray

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SPECTRA PRODUCT & BLISTER INSPECTION

SPECTRA 3D 3D Product Inspection



High-resolution, laser-based system for the inspection of the geometry of packaging material and products to detect distortions, dents and other defects.

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HIGHLIGHTS

- Perfect for low-contrast product-foil-combinations and fragile products
- Can be combined with any vision system of the latest generation and operated via a single touch screen interface
- Highest quality control standards of volume and colour in combination with SPECTRA CL or SPECTRA HR
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



Blister



Sugar-coated tablet



Dry Powder



Multi-layered tablet



Tablet



Hard gel capsule



Oblong



Soft gel capsule

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SPECTRA PRODUCT & BLISTER INSPECTION

SPECTRA CL Colour Product Inspection



Colour product inspection system for detection of cross-contamination and other errors such as incorrect size, position, as well as broken products and overfilling.

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HIGHLIGHTS

- scanware framegrabber for extra-fast evaluation
- Homogenous, reproducible and adjustable illumination – 16 levels available
- Real-time operating system
- Software and hardware can be upgraded to SPECTRA HR if requirements change
- Also available in black & white for simpler inspection tasks e.g. mono lines
- Multitude of features depending on chosen software package
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



Hard gel capsule



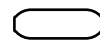
Sugar-coated tablet



Tablet



Lozenge



Oblong



Soft gel capsule

15



SPECTRA PRODUCT & BLISTER INSPECTION

SPECTRA HR High-Resolution Product Inspection



High-resolution product inspection with extraordinarily high colour separation enabling the safe fulfillment of tasks involving challenging colour and contrast conditions.

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HIGHLIGHTS

- Highest colour separation
- All blister geometries and combinations of product and packaging material can be recognised
- Applicable for post-seal inspection
- Multitude of features depending on chosen software package
- Fully compliant with 21 CFR Part 11

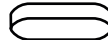
APPLICABLE OBJECTS



Different
shapes



Sealed
products



Upright
standing
objects



Dialpacks



Hard gel
capsules with
print



Medical
strips

17



SPECTRA PRODUCT & BLISTER INSPECTION

SPECTRA Bulk Bulk Inspection



Multiple inspections of each product in a bulk feed system: detection of incorrect colour, foreign matter, and breakages.

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HIGHLIGHTS

- Large machine widths can be inspected
- Can be used on all ETCs with vibratory conveyors and slat counters
- Supported production modes: ejection of individual products, ejection of bottles after filling, and manual removal of bad products
- Can evaluate with constant light or flashing W-LED
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



Bulk of these products:



Tablet



Hard gel capsule



Sugar-coated tablet



Soft gel capsule



Oblong

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SIGNUM CODE, TEXT & GRAPHICS INSPECTION

SIGNUM HR Print Inspection



Greyscale vision system for high-speed optical inspection of print including plain text (OCR) on packaging materials during the packaging process.

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HIGHLIGHTS

- Time-saving teach-in via pdf
- Small area or full foil width — tailored to your needs
- Automatic recognition of character orientation and small unicode library
- 5-31 megapixels depending on project requirements
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



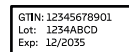
Barcode



DataMatrix



Folding
box



Plain text



Label



Pharma-
code



Pouch



Lidding
foil

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SIGNUM CODE, TEXT & GRAPHICS INSPECTION

SIGNUM ECO

Print Inspection for Cartoners & Labellers

High-speed print inspection including plain text (OCR) for packaging on machinery such as cartoners and labellers.



HIGHLIGHTS

- SIGNUM HR functionalities with a smaller footprint
- Integrated illumination
- Embedded PC for high-speed evaluation in a small unit
- Designed for requirements in cartoners and labellers
- Simplified teach-in via PDF
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



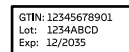
Barcode



DataMatrix



Folding
box



Plain text



Label



Pharma-
code



Package
insert



SIGNUM CODE, TEXT & GRAPHICS INSPECTION

SIGNUM 2DC Code Inspection



Code reader for barcodes and 2D codes with extraordinary speed, auto-focus, simplified teach-in and optimised illumination.

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HIGHLIGHTS

- All coding standards pre-implemented
- Suitable for a range of packaging with only relevant sections being evaluated
- Full format administration
- Integration into the line is available via wireless laptop, a stand-alone stationary touch screen or a production line terminal
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



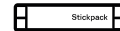
Barcode



DataMatrix



Folding
box



Stickpack



Pharma-
code



Pouch

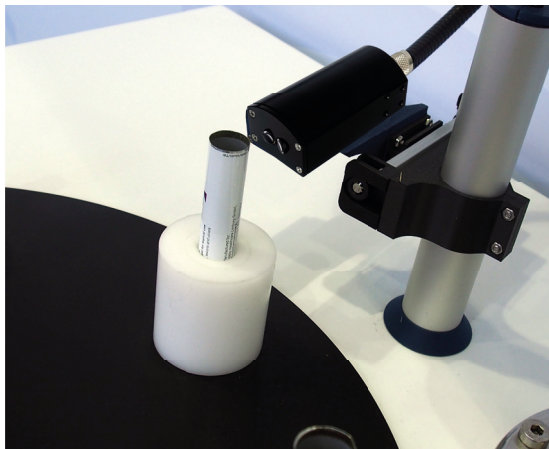
25



SIGNUM CODE, TEXT & GRAPHICS INSPECTION

SIGNUM 1DC

Code Inspection on Convex Surfaces QI



Code reader for the inspection of barcodes and other markings on curved objects such as tubes, utilised between feeding and filling, reducing wastage.

HIGHLIGHTS

- Reads up to 150 codes per second
- Monochrome or colour codes
- Integrated shift register
- Tube orientation information sent downstream to the line
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



Tube



Pharma-
code



Mini
Pharmacode



CAPA TRACK & TRACE

CAPA 360

Orbital Inspection



360° inspection, print and reading of 2D and helper codes on pharmaceutical, resealable plastic bottle. Correct label and lid position are also verified.

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HIGHLIGHTS

- Printing and verification of 2D codes, print and reading of UV helper codes
- Serialisation and aggregation implemented
- Stand-alone solution or integration onto your machinery
- Bottle separation and spacing to avoid scratches and subsequent poor code reading
- Standardised communication interfaces to Level 3 with IMPERA
- Format management of machine parameters
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



Plastic bottle



Pharma-code



DataMatrix

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CAPA TRACK & TRACE

CAPA MV Mark & Verify Station



Folding boxes are printed with production-specific data and the print is verified. The process is linked into the production database with IMPERA.

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HIGHLIGHTS

- Implemented codes: GS1, IFA, CIP 13, ITS, Bollini IPZS, Royal Vignette Belge and China E-Coding
- Flexible box sizes and fixed or adjustable height of folding box feed
- The machine control of all components is performed by a PLC
- Compatible with printers by Wolke, REA, Bluhm and Domino. Other printers, e.g. DoD can be implemented upon request.
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



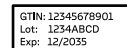
Folding box



Pharma-
code



DataMatrix



Plain text

31



CAPA TRACK & TRACE

CAPA TE

Tamper-Evidence Station



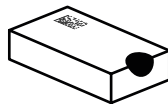
Sealing of folding boxes with tamper-proof labels.

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HIGHLIGHTS

- Flexible sizes of folding boxes
- With ejection verification
- Labelling possible with all common closing patterns and can be adjusted tool-free
- High labelling accuracy
- In combination with CAPA MV, the station guarantees that the print on the folding box will not be smudged by the label
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



Tamper-evident
folding box

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CAPA TRACK & TRACE

CAPA BI Bundle Inspection



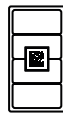
Inspection of 1D and 2D codes on folding boxes that have been combined into a bundle. Inspection of individual folding boxes is also possible.

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HIGHLIGHTS

- Different control positions possible (top, front and back)
- Equipped with a conveyor belt
- Where the camera is installed above, its height can be adjusted mechanically. This enables adjusting the image acquisition area to the bundle size.
- Pneumatic ejection system
- Aggregation and serialisation can be implemented with IMPERA Line Management
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



Bundle



Folding box

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CAPA TRACK & TRACE

CAPA CI Case Inspection



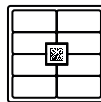
Inspection of all print on items in a case, with subsequent aggregation of serialised data.

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HIGHLIGHTS

- Available as installation in cartoners and checkweighers
- Inspection of the prints of units within a case
- Data is cross-checked against the database, with serialised data being aggregated by scanware's IMPERA Line Management
- High camera resolution for optimum results
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



Case



Bundle



Folding box

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CAPA TRACK & TRACE

CAPA MB Mobile Base Station



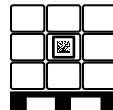
Print of labels with production-specific data and label verification. Often used for manual aggregation and rework.

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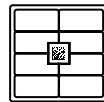
HIGHLIGHTS

- Support of GS1, IFA Coding, CIP 13, IST, Bollini IPZS, Royal Vignette Belge and China E-Coding
- Up to two printer mounts
- IMPERA Line Management for smooth data transfer from level 2 to level 3
- The complete machine control of all components is taken over by a PLC.
The visualisation occurs on the scanware GUI.
- Fully compliant with 21 CFR Part 11

APPLICABLE OBJECTS



Palette



Case



Bundle



Folding box

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CURA SERVICE & SYSTEMCHECK

CURA Maintenance Contracts



Our service experts come to you in periodic intervals and issue our seal of quality after successful testing.

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HIGHLIGHTS

- Hardware verification, such as function check and cleaning as required
- Software verification, such as backup of formats, users, etc. for the customer
- Additional service, such as tips and brief instructions, security check and information about new features
- The reliability of your scanware systems is maximised
- The availability of your production facilities increases
- The scanware system data is always up to date
- Maintenance times and costs can be budgeted
- Knowledge of your team grows

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Your Challenge

Japan Quality

Detection of smallest defects such as polishing errors, particles on the product and surface defects.



Contraceptives

Small products in different shapes or colours in one blister, uncommon blister and tablet shapes.

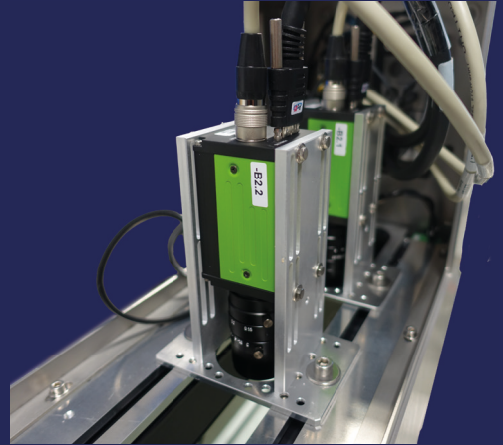


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Our Solution

SPECTRA HR with multiple cameras

Inspection of all blister geometries, sealed products, minimal defects and colour differences thanks to extraordinarily high colour separation and resolution.



43

Your Challenge

Deformed blisters

Verification of correct blister forming before filling and forming tool preventive maintenance.



Low contrast objects

Products with minimal contrast between packaging and product.



44

Our Solution

SPECTRA 3D QI

With designated algorithms for different inspection tasks, the geometry inspection of SPECTRA 3D is perfect for unique challenges.



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Your Challenge

Stickpacks

- Print and Code Inspection
- Seal Inspection



Pouches

- Print and Code Inspection
- Pinhole Detection on aluminium



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Tubs

- Print and Code Inspection
- Orientation detection



Our Solution

On-site development

Thanks to our in-house development and outside-the-box thinking, we are able to adapt our existing systems to your needs.



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Quality is visible.

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