



Make it better.

Vision inspection



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TABLET AND CAPSULE INSPECTION

VISITAB series

The VISITAB series consists of fully automatic, high-speed, customisable inspection machines. They are capable of high-volume inspection of tablets and capsules, and the accurate detection of even the smallest visual defects. These high-output inspection machines ensure 360° inspection of tablets and capsules, offering unparalleled inspection with no-compromise precision.



VISITAB 1-MH

Find this information on our website:
 Machinery > Vision inspection > Tablet and capsule inspection > VISITAB series

VISITAB 1-MH offers the highest-quality tablet and capsule inspection in a single machine. It's a vision-based turnkey system designed in compliance with pharmaceutical industry requirements for quality control of tablets and capsules.

Applications

Inspection of tablets and capsules



Features

Benefits

10 new-generation colour cameras with diffuse lighting and inspection angles specially optimised for tablets	A multi-view system covering top, bottom, lateral and edge areas of tablets, guaranteeing 360° inspection of all cosmetic defects
Two 3D laser sensors for improved laser vision	Accurate tablet surface analysis, covering cracks, embossment, thickness defects, coating, and engraving integrity
10 new-generation colour cameras with reflection-free lighting and optimised inspection angles for capsules	A multi-view system covering the cylindrical parts and the domes of capsules Reflection-free lighting ensures the perfect environment for defect analysis
A dedicated conveyor system for tablets with an anti-jamming feeding system	Capable of inspecting a wide range of tablet shapes
A dedicated conveyor system for capsules with static-free tooling and a grooved conveyor belt	Inspects capsules ranging from size 0 to 5
All format parts included for tablet feeding	Plug-and-play tooling with minimal storage requirements
Intuitive configuration with template-based set-up and automatic learning system	Easy to use and can be set-up in 30 minutes
21 CFR part 11-compliant	Regulatory compliant and audit-friendly

Technical specifications

Tablet sizes that can be inspected (diameter/width)	5 to 13mm
Capsules sizes that can be inspected	00 to 5
Rated output	Up to 150,000 tablets/hr Up to 65,000 capsules/hr

VISITAB 3-M

Find this information on our website:
 Machinery > Vision inspection > Tablet and capsule inspection > VISITAB series

VISITAB 3-M offers the highest-quality tablet inspection, with new-generation colour camera and Blu-ray laser technology. It's a vision-based turnkey system designed in compliance with pharmaceutical industry requirements for quality control of tablets.

Applications

Inspection of tablets



Features

Benefits

10-new generation colour cameras with diffuse lighting and inspection angles specially optimised for tablets	A multi-view system covering top, bottom, lateral, and edge areas of tablets, guaranteeing 360° inspection of all cosmetic defects
Two 3D high-resolution laser sensors per track for improved laser vision	Accurate tablet surface analysis covering cracks, embossment, thickness defects, coating, and engraving integrity
High-speed inspection	Sorts up to 600,000 tablets per hour
All format parts included for tablet feeding	Plug-and-play tooling with minimal storage requirements
Two high-speed vacuum tracks with anti-jamming feeding mechanism	Feeds complex-shaped tablets, including flat and semi-convex tablets ranging from 5mm to 13mm width/diameter
Intuitive configuration with template-based set-up and automatic learning system	Plug-and-play tooling with minimal storage requirements Easy to use, and can be set-up in only 30 minutes
21 CFR part 11-compliant	Regulatory compliant and audit-friendly

Technical specifications

Tablet sizes that can be inspected (diameter/width)	5 to 13mm
Rated output	Up to 600,000 tablets/hr

BLISTER INSPECTION AND PINHOLE DETECTION

BS series

QUALISHIELD BS series

Find this information on our website:
Machinery > Vision inspection > Blister and pinhole inspection >
QUALISHIELD BS series

The QUALISHIELD BS series includes our high-tech AI-powered blister inspection systems, which integrate seamlessly with various blister-packaging machines. It's designed to detect the full range of potential product defects in blister packs to ensure you meet stringent quality standards. The QUALISHIELD BS series also supports the integration of multiple cameras in a single controller, plus an additional camera for barcode, pharmacode or batch-detail inspection.

Applications

Inspects tablets, hard capsules and soft gelatine capsules in blister packs



Features

Advanced AI/ML capabilities that support automatic pocket detection within the field of view (FOV) and threshold range detection

User-friendly GUI with multiple language support

Categorised representation of rejection quantities

Configurable user rights and 21 CFR part 11-compliant

Plug-and-play installation

Benefits

Significantly lower 'teaching' time

Easy to access and user-friendly

Summarises large datasets in accessible visual formats

A regulatory-compliant, audit-friendly system

Quick and error-free installation

Technical specifications

	BS11	BS12	BS15	BS20	BS30	BS40	BS50
FOV (Field of view)	240mm x 150mm	240mm x 150mm	260mm x 200mm	300mm x 195mm	320mm x 300mm	240mm x 150mm	260mm x 150mm
Maximum speed	200 inspections/min	200 inspections/min	200 inspections/min	200 inspections/min	200 inspections/min	200 inspections/min	200 inspections/min
Product types inspected	Single and multi-coloured tablets, single and multi-coloured capsules, multi-products, printed capsules (single and multi-coloured, printed tablets, soft gelatine capsules)						
Base foil types inspected	Clear PVC, opaque PVC, coloured PVC, aluminium foils						
Defects detected	Crushed product, cracked product, orientation 'Only cap' 'Only body' Powdered product, visible product shade variations Deviation of size, form or shape						

BLISTER INSPECTION AND PINHOLE DETECTION

PH series

QUALISHIELD PH series

Find this information on our website:
Machinery > Vision inspection > Blister and pinhole inspection >
QUALISHIELD PH series

Our state-of-the-art scanning system is designed specifically to detect surface imperfections on aluminium foils. It detects pinholes or pores anywhere in the inspection window, inspects base aluminium foils after forming, and checks lidding foils before sealing. And you can tailor it to the full range of format sizes available on blister-packaging machines.

Applications

Inspection of metal strip and sheet, and almost any opaque material

Features

Detects pinholes with diameters as small as 25µm
Detection sensitivity is adjustable to user requirements

Compatible with aluminium foils of different widths and lengths

GMP-compliant

Can be set up for production and perform validation at the click of a button

Benefits

100% real-time inspection of pores, fissures and pinholes on lidding and base foils

Assured performance, irrespective of aluminium foil types and sizes

A compliant, audit-friendly system for full peace of mind

User-friendly and compatible with a wide range of blister-packaging machines



Technical specifications

		PH10	PH20	PH21	PH30	PH31	PH40	PH41
Machine dimension (with standard mounting)	Length	32mm	370mm	370mm	420mm	403mm	460mm	490mm
	Width	63mm	63mm	63mm	63mm	63mm	63mm	63mm
	Height	323mm	323mm	323mm	323mm	323mm	323mm	323mm
Inspection area (FOV)		200mm	240mm	260mm	300mm	300mm	320mm	380mm
Type of packaging material inspected		Aluminium foil (non-transparent)						

CODE AND LABEL INSPECTION SYSTEM

CV series

The QUALISHIELD CV series is a high-speed, high-resolution, multi-colour, camera-based solution for inspection of a variety of data, including barcodes, pharmacodes, 2D codes, batch details, and much more – on inspection media such as cartons, labels, leaflets, foils, tubes, and many others. You can install it on any carton- or blister-packing machine, and it's retrofittable to a wide range of bottling, cartoning and manual packaging lines. The CV series can be integrated with various types of cameras, based on different needs.



QUALISHIELD CV10

Find this information on our website:
Machinery > Vision inspection > Code and label inspection system >
QUALISHIELD CV series

QUALISHIELD CV10 is an online carton-conveying system with an integrated printer and camera system. It's an ideal solution for online carton code printing and inspection, and integrates seamlessly with any cartoning machine. You can also use it for manual carton feeding.

Applications

Carton print inspection and online rejection system



Features

Benefits

Speeds of up to 300 cartons per minute	Compatible with all cartoning machines
Encoder-based rejection system with lock-and-key rejection bin	Reduces the need to change speeds manually, as parameters are adjusted automatically to speed variations
Variable speed control	Set conveyor speeds manually according to output requirements
Compliant with 21 CFR Part 11 and CE certified	A regulatory-compliant, audit-friendly system for greater peace of mind

Technical specifications

Machine dimensions	Length	1210mm	
	Width	1000mm	
	Height	1672±65mm	
Speed		300 cartons/min	
Cameras		1	
Supported carton sizes	Minimum	Length	65mm
		Width	30mm
		Height	15mm
	Maximum	Length	200mm
		Width	200mm
		Height	150mm

QUALISHIELD CV20

Find this information on our website:
Machinery > Vision inspection > Code and label inspection system >
QUALISHIELD CV series

QUALISHIELD CV20 is an online carton conveying system with an integrated printer and camera system. It's ideal for online carton code printing and inspection, and can be integrated seamlessly with any carton-packaging machine or manual packaging line.

Applications

Carton print inspection and online rejection system



Features

Benefits

Speed of up to 300 cartons per minute	Compatible with all cartoning machines
Encoder-based rejection system with lock-and-key rejection bin	Reduces the need to change speeds manually, as parameters are adjusted automatically to speed variations
Variable speed control	Set conveyor speeds manually according to output requirements
Compliant with 21 CFR Part 11, and CE certified	A regulatory-compliant, audit-friendly system for greater peace of mind

Technical specifications

Machine dimensions	Length	600mm	
	Width	750mm	
	Height	1668±65mm	
Speed		300 cartons/min	
Cameras		1	
Supported carton sizes	Minimum	Length	65mm
		Width	30mm
		Height	15mm
	Maximum	Length	180mm
		Width	90mm
		Height	90mm

QUALISHIELD CV30

Find this information on our website:
Machinery > Vision inspection > Code and label inspection system >
QUALISHIELD CV series

QUALISHIELD CV30 is an offline carton conveying system with an integrated printer and camera system. It is an ideal solution for offline carton code printing and inspection where products are stacked in a feeder mechanism and passed one-by-one via conveyor belt for further printing and inspection.

Applications

Unfolded carton print inspection and online rejection system

Features

Benefits

Speeds of up to 200 cartons	Compatible with all cartoning machines
Encoder-based rejection system with lock-and-key rejection bin	Reduces the need to change speeds manually, as parameters are adjusted automatically to speed variations
Variable speed control	Set conveyor speeds manually according to output requirements
Compliant with 21 CFR Part 11, and CE certified	A regulatory-compliant, audit-friendly system for greater peace of mind



Technical specifications

Machine dimensions	Length	1568mm	
	Width	936mm	
	Height	1828±65mm	
Speed		200 cartons/min	
Cameras		1	
Supported carton sizes	Minimum	Length	60mm
		Width	60mm
	Maximum	Length	300mm
		Width	200mm

QUALISHIELD CV40

Find this information on our website:
Machinery > Vision inspection > Code and label inspection system >
QUALISHIELD CV series

QUALISHIELD CV40 is an offline leaflet and booklet conveying system with an integrated camera system. It's ideal for pharma code inspection where products are stacked in a feeder mechanism and passed one-by-one via conveyor belt for further inspection. CV40 also has separate bins for accepted and rejected products.

Applications

Leaflet and booklet
pharmacode inspection
and rejection



Features

Operates with a speed of 120 products per minute

Encoder-based rejection system with lock-and-key rejection bin

A sensor for stacking leaflets and booklets

Compliant with 21 CFR Part 11

Benefits

Compatible with all cartoning machines

Reduces the need to change speeds manually, as parameters are adjusted automatically to speed variations

Notifies the operator when leaflet feed is low, meaning fewer and shorter process interruptions

A regulatory-compliant, audit-friendly system for greater peace of mind

Technical specifications

Machine dimensions	Length	870mm	
	Width	755mm	
	Height	1922±65mm	
Speed		120 products/min	
Cameras		1	
Supported booklet size	Minimum	Length	40mm
		Width	25mm
		Height	1.5mm
	Maximum	Length	60mm
		Width	60mm
		Height	8mm
Supported leaflet sizes	Minimum	Length	80mm
		Width	25mm
	Maximum	Length	180mm
		Width	40mm

QUALISHIELD CV50

Find this information on our website:
Machinery > Vision inspection > Code and label inspection system >
QUALISHIELD CV series

QUALISHIELD CV50 is an online camera-based inspection system you can mount on any labelling, cartoning or blister-packaging machine. It accurately and reliably captures details such as batch and expiry, 1D barcodes, 2D datamatrix codes, pharma codes - on inspection media including cartons, labels, foils, leaflets, tubes, and many others.

Applications

Pharmacode, barcode and OCR/OCV inspection on carton, leaflet, and booklet



Features

Inspects contents of cartons, labels, foils, leaflets and tubes using a modular software architecture	One hardware and software solution for multiple uses, in a single setup
Supports printing in continuous inkjet, thermal inkjet, hot-stamping and thermal transfer overprinters (TTOs)	Compatibility with a wide range of industrial printers
A plug-and-play installation that supports all types of PLC rejection mechanism protocols	Accurately and reliably captures details on labels such as batch and expiry, 1D barcodes, 2D datamatrix codes, and pharma codes
Fast and easy plug-and-play installation	Can be integrated with continuous or intermittent machines

Benefits

Technical specifications

FOV (Field of view)	60mm x 40mm
Number of cameras	1
Products that can be inspected	Carton, leaflet, label, vial
Maximum speed¹	400 products/min

¹ Speed can vary according to the number of camera configurations, image saves, camera configurations (one or more), and product size.

QUALISHIELD CV51

Find this information on our website:
 Machinery > Vision inspection > Code and label inspection system >
 QUALISHIELD CV series

QUALISHIELD CV51 is an online camera-based inspection system you can mount on any labelling, cartoning or blister-packaging machine. It accurately and reliably captures details such as batch and expiry, 1D barcodes, 2D datamatrix codes, pharma codes - on inspection media including cartons, labels, foils, leaflets, tubes, and many others.

Applications

Pharmacode, barcode and OCR/OCV inspection on carton, leaflet, and booklet



Features

Features	Benefits
Inspects contents of cartons, labels, foils, leaflets and tubes using a modular software architecture	One hardware and software solution for multiple uses, in a single setup
Supports printing in continuous inkjet, thermal inkjet, hot-stamping and thermal transfer overprinters (TTOs)	Compatibility with a wide range of industrial printers
A plug-and-play installation that supports all types of PLC rejection mechanism protocols	Accurately and reliably captures details on labels such as batch and expiry, 1D barcodes, 2D datamatrix codes, and pharma codes
Fast and easy plug-and-play installation	Can be integrated with continuous or intermittent machines

Technical specifications

FOV (Field of view)	60mm x 40mm
Number of cameras	2
Products that can be inspected	Carton, leaflet, label, vial
Maximum speed¹	300 products/min

¹ Speed can vary according to the number of camera configurations, image saves, camera configurations (one or more), and product size.

QUALISHIELD CV52

Find this information on our website:
Machinery > Vision inspection > Code and label inspection system >
QUALISHIELD CV series

QUALISHIELD CV52 is an online camera-based inspection system you can mount on any labelling, cartoning or blister-packaging machine. It accurately and reliably captures details such as batch and expiry, 1D barcodes, 2D datamatrix codes, pharma codes - on inspection media including cartons, labels, foils, leaflets, tubes, and many others.

Applications

Pharmacode, barcode and OCR/OCV inspection on carton, leaflet, and booklet



Features

Inspects contents of cartons, labels, foils, leaflets and tubes using a modular software architecture

Supports printing in continuous inkjet, thermal inkjet, hot-stamping and thermal transfer overprinters (TTOs)

A plug-and-play installation that supports all types of PLC rejection mechanism protocols

Fast and easy plug-and-play installation

Benefits

One hardware and software solution for multiple uses, in a single setup

Compatibility with a wide range of industrial printers

Accurately and reliably captures details on labels such as batch and expiry, 1D barcodes, 2D datamatrix codes, and pharma codes

Can be integrated with continuous or intermittent machines

Technical specifications

FOV (Field of view)	60mm x 40mm
Number of cameras	3
Products that can be inspected	Carton, leaflet, label, vial
Maximum speed¹	300 products/min

¹ Speed can vary according to the number of camera configurations, image saves, camera configurations (one or more), and product size.

QUALISHIELD CV53

Find this information on our website:
 Machinery > Vision inspection > Code and label inspection system >
 QUALISHIELD CV series

QUALISHIELD CV53 is an online camera-based inspection system you can mount on any labelling, cartoning or blister-packaging machine. It accurately and reliably captures details such as batch and expiry, 1D barcodes, 2D datamatrix codes, pharma codes - on inspection media including cartons, labels, foils, leaflets, tubes, and many others.

Applications

Pharmacode, barcode and OCR/OCV inspection on carton, leaflet, and booklet



Features

Inspects contents of cartons, labels, foils, leaflets and tubes using a modular software architecture

Supports printing in continuous inkjet, thermal inkjet, hot-stamping and thermal transfer overprinters (TTOs)

A plug-and-play installation that supports all types of PLC rejection mechanism protocols

Fast and easy plug-and-play installation

Benefits

One hardware and software solution for multiple uses, in a single setup

Compatibility with a wide range of industrial printers

Accurately and reliably captures details on labels such as batch and expiry, 1D barcodes, 2D datamatrix codes, and pharma codes

Can be integrated with continuous or intermittent machines

Technical specifications

FOV (Field of view)	60mm x 40mm
Number of cameras	4
Products that can be inspected	Carton, leaflet, label, vial
Maximum speed¹	200 products/min

¹ Speed can vary according to the number of camera configurations, image saves, camera configurations (one or more), and product size.



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