SENTINEL PLATINUM

SENTINEL PLATINUM IS THE SUPERIOR QUALITY CONTROL SYSTEM DESIGNED TO 100% INSPECT THE PRINTED WEB MATERIAL.

Sentinel Platinum is equipped with high resolution CIS sensor that continuously acquires an image of the entire web up to 600 dpi resolution. Thanks to this innovative technology it is possible to visualize and inspect the entire web with an extremely high quality image.

Sentinel Platinum identifies with excellent accuracy defects, such as missing colour, spots, substrate damages, remaining matrix, splices, color deviation, text defects, hickeys, poor quality codes and colour misregistration.

Superior Inspection System for LABELS & NARROW WEB

FAST JOB SETUP

Sentinel boasts a fast and easy setup. Starting a new job can be a completely automatic procedure, most tasks are accomplished by pushing a single button. Setup time is less than 10 seconds.

No computer knowledge is required to operate thanks to an intuitive interface and touch screen operations.

INSTALLATION ON PRINTING PRESSES

Installed on a printing machines Sentinel checks the quality of the entire job and in case of defect it immediately alerts the operator to avoid large amounts of waste.

INSTALLATION ON REWINDING MACHINEES

Installed on a rewinding machine Sentinel controls the quality of the entire print job. In case of defect Sentinel slows down the machine and stops the defect in position for allowing the operator to check and fix.

With Sentinel installed on your rewinding machine you can be sure that defective material will not be delivered to your customers.
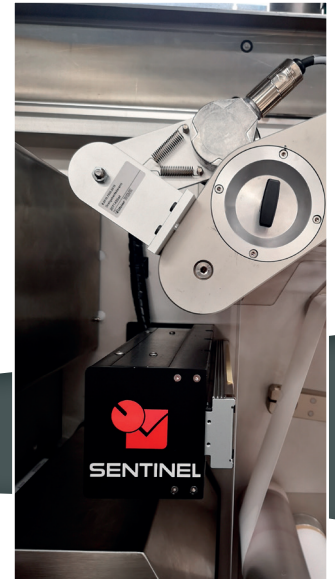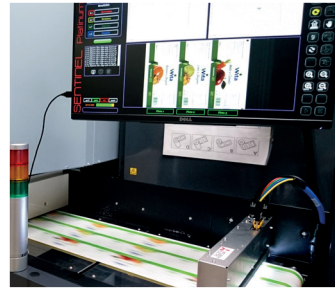
DeCoSystem

SENTINEL PLATINUM

STANDARD FEATURES

- Easy integration onto all common printing presses and finishing machines.
- Easy to learn and easy to use GUI interface
- All operations can be carried out using the touch screen
- Simple and quick setup
- Multiple areas with independent sensitivity settings
- Masking areas
- Great reliability in defect detection
- Web viewing with live image with digital zoom and full repeat navigation
- Defects are clearly displayed to the operator with toggle feature
- Hold and Zoom of the defective image
- Different display modes: defect detection and defect history
- Full defects report and automatic storing of all production process data
- Different levels of Login
- Alarm on repetitive defects.
- Automatic compensation of web shift, no web guiding required
- Scalable resolution (depending on speed)
- Possibility to inspect booklet labels
- Connection to a flagger device
- Automatic shutdown

OPTIONS

- In-line Delta E spectral measurement and color control
- Printing Format lenght measurement
- 1D and 2D Barcodes reading
- ISO/IEC grading of all 1D/2D variable codes
- OCR (Optical Character Recognition) and OCV (Optical Character Verification)
- Variable Data comparison against a database list.
- Signal tower with LED indicator
- Second screen for large web view
- Workflow link
- Data and defects information saved on a dedicated server
- Custom illuminator for special ink
- One year remote support and free software upgrades
- Pro support: on site computer warranty

TECHNICAL DATA

DESCRIPTION	Banda	STEP OF ENCODER = 1							STEP OF ENCODER = 2							STEP OF ENCODER = 3						
		RisX	RisY	V.max	DM-ZU	DM-ZU	DM-ZS	DM-ZS	RisX	RisY	V.max	DM-ZU	DM-ZU	DM-ZS	DM-ZS	RisX	RisY	V.max	DM-ZU	DM-ZU	DM-ZS	DM-ZS
Sentinel PLATINUM	max	mm	mm	m/min	mm²	mm	mm²	mm	mm	mm	m/min	mm²	mm	mm²	mm	mm	mm	m/min	mm²	mm	mm²	mm
Sentinel Cis367	350	0,08	0	108	0,05	0,25	0,15	0,44	0,08	0	216	0,10	0,36	0,30	0,62	0,08	0,18	324	0,15	0,44	0,46	0,76
Sentinel Cis367 - Turbo	350	0,04	0	120	0,02	0,15	0,05	0,25	0,04	0	240	0,03	0,21	0,10	0,36	0,04	0,12	360	0,05	0,25	0,15	0,44
Sentinel Cis587	570	0,08	0	108	0,05	0,25	0,15	0,44	0,08	0	216	0,10	0,36	0,30	0,62	0,08	0,18	324	0,15	0,44	0,46	0,76
Sentinel Cis587 - Turbo	570	0,04	0	120	0,02	0,15	0,05	0,25	0,04	0	240	0,03	0,21	0,10	0,36	0,04	0,12	360	0,05	0,25	0,15	0,44

OPTIONS

Double monitor	PRO SUPPORT	Auto shut down	PDF REPORT	format measurement	Multiple areas	Barcode-datamatrix-ocr	Control from database	PDF Comparison
option	option	yes	yes	option	yes	option	option	option

- *Number of Camera Sentinel Platinum*: **1**
- *Camera type CisXXX*: **Cis sensor-300dpi**
- *Camera type CisXXX – Turbo*: **Cis sensor-600dpi**
- *Color Variation (delta E measurement)*: **3**

V.MAX: maximum speed
DM-ZU (mm²): Minimum defect in unifirm area in square millimiter
DM-ZU (mm): Minimum defect in unifirm area in millimiter (we suppose to have a defect like a dot)
DM-ZS (mm²): Minimum defect in structured area in square millimiter
DM-ZS (mm): Minimum defect in structured area in millimiter (we suppose to have a defect like a dot)

Technical data and system specifications refer to the state at the time of printing. We reserve the right to modify them in the interest of a continuous program of further development.