*Uni*PRINT

PRINT MONITORING FOR STANDARD OR UV-VISIBLE INKS WITH UNRIVALED SUPPORT

UniPRINT Vision Systems break new ground in web viewing with a proven approach to waste reduction paired with unmatched local service and support. Offering a crystal-clear image and touch-screen operation, UniPRINT exceeds the specifications of other web monitoring systems in its price range. It is the only print monitoring system that can inspect standard inks or UV-visible inks and coatings with a single unit. Whether you choose the standard software package or upgrade to advanced inspection features with pro, you can be certain that every UniPRINT system provides exceptional performance and value.

HD High Definition Digital Imaging with world class Sony imaging	Progressive Scan Camera
Powerful 18X Optical Zoom	Large 130 x 100 mm viewing area as standard
Touch Screen Operation	Inspect Standard or UV–Visible Inks and coatings
Precision achromatic close up lens	Variable speed traverse (up to 300 mm/sec)
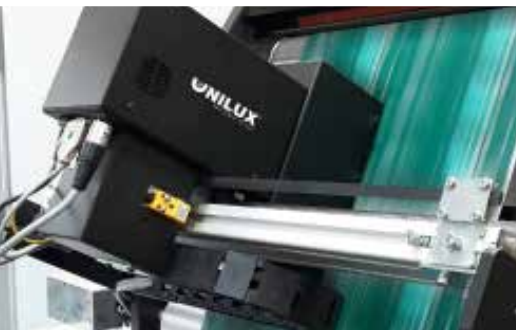
SPECIFICATIONS

HARDWARE MODELS		APPLICATIONS
MODEL 100		The 100 is the ideal system for narrow web machines. With its specially designed light chamber and fixed 90 degree camera rotation achieves a very large 100 x 130 mm field of view in a compact size.
MODEL 130		The 130 is an excellent entry level wide web product surpassing the specifications of many other systems in its price range. With 130 x 100 mm field of view, 18x optical zoom and dual strobes, images are crystal clear providing exceptional value for money.
MODEL 130 UV		Inspection of optical brighteners or UV-visible inks and coatings in mid- to wide-web security printing applications. Examples include currency, lottery (anti-counterfeit marks for brand authenticity, and cold-seal verification.
MODEL 185		The 185 is the ideal choice for high quality wide web inspection. It provides an extended 185 x 140 mm field of view illuminated by four strobes.

DUAL CAMERA OPTION AVAILABLE FOR ALL MODELS
Monitor both sides of the web - ideal for processes where both sides of the web are printed or packaging material prior to cold-seal.
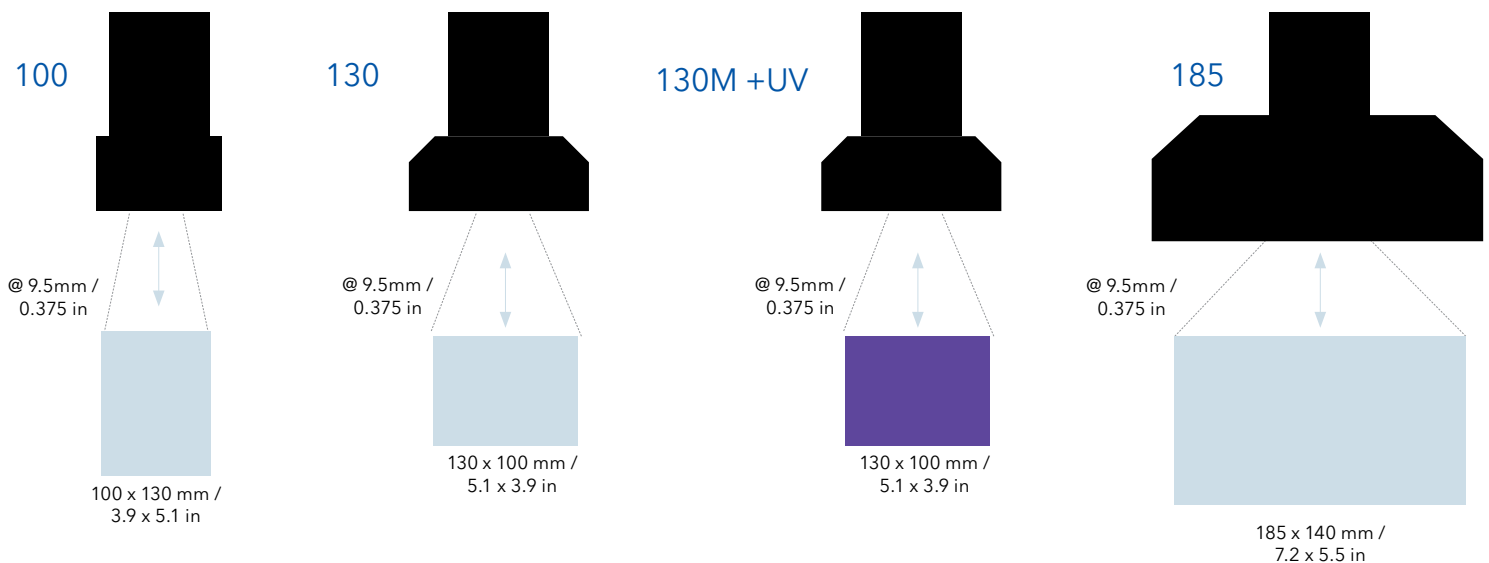
PRIMARY SPECIFICATIONS

TRAVERSE POWER	Manual traverse: 24V, 1.7A 40W with 110-220VAC adapter Motorized traverse: 24V, 5A 120W with 110-220VAC adapter
PRESS SPEED	Web speed up to 600 m/min or 1,968 ft/min
RESOLUTION	High resolution camera for excellent color reproduction
HMI & DISPLAY	Monitor with Keypad or Touchscreen Monitor. HDMI output monitor with a resolution of 1920 x1080 Combine multiple screens with HDMI splitter.
TRAVERSE	Manual or Motorized available. Rotary encoders available for servo presses, with the ability to add an eye mark sensor for reset purposes.

MODEL	100	130	185
DIMENSIONS W x L x H	120 x 301 x 262 mm 4.7 x 11.8 x 10.3 in	150 x 302 x 308 mm 5.9 x 11.8 x 12.1 in	232 x 403 x 351 mm 9.1 x 15.8 x 13.8 in

UniPRINT

SOFTWARE FEATURE PACKAGES			
	STANDARD	TOUCH	PRO
Keypad with Standard Monitor	X	-	-
Touch Screen Monitor	-	X	X
Split Screen	X	X	X
Automatic Constant Scan*	X	X	X
Label Checking*	X	X	X
Register Mark Memory*	X	X	X
Horizontal Automatic Constant Scan - Speed Based*	-	X	X
Vertical Automatic Constant Scan*	X	X	X
Electronic Web Edge*	X	X	X
Scan Positions*	-	X (9)	X (18)
One Touch Positioning*	-	X	X
Image Centering*	-	X	X
Multiview*	-	X	X
Image to Disc	-	X	X
Webmap*	-	-	X
Jobs Database	-	-	X
Eyemark Sync	-	X	X
Smart Label Checking	-	X	X

*Requires motorized traverse system

FIELD OF VIEW OPTIONS

100
@ 9.5mm / 0.375 in
100 x 130 mm / 3.9 x 5.1 in

130
@ 9.5mm / 0.375 in
130 x 100 mm / 5.1 x 3.9 in

130M +UV
@ 9.5mm / 0.375 in
130 x 100 mm / 5.1 x 3.9 in

185
@ 9.5mm / 0.375 in
185 x 140 mm / 7.2 x 5.5 in

ADVANCED FEATURES
FOR MOTORIZED SYSTEMS
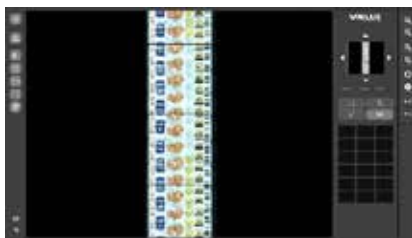
ONE TOUCH POSITIONING
Unique One Touch Positioning Control allows rapid camera navigation to any part of the web.

MULTIPLE DYNAMIC SCAN MODES
Horizontal or vertical scanning, continuous mode or with pauses at each scan location. Dynamic Scan controls allow complete adjustment of camera speed, step size and dwell time at each scan position. All settings can be changed while the camera is scanning. This ensures that all of the web is scanned optimally.

SCAN POSITION GALLERY - VISUAL POINTS OF INTEREST
For particular points of interest on the print repeat, the the Scan Position Gallery easily stores the position and zoom setting complete with a image of the web position. Simply touching a Scan Position thumbnail causes the camera to move rapidly to that web position and magnification.

AUTO SCAN POSITION PLAYBACK
Any or all of the stored scan positions can be selected for inclusion in a playback sequence. Simply pressing program playback sets the camera into an automated positioning mode where it will rapidly move to each of the programmed positions and zoom magnifications. This is an extremely useful feature when inspection of multiple critical print features are required.

MULTIVIEW
The Multiview feature creates an innovative image buffer allowing the operator to not only see the current camera image, but also to see a series of images that were recorded over the previous captures. When used in conjunction with one of the automatic scanning programs this feature allows the operator to view the print quality of a very large area of the web at once.

RAPID POSITIONING
The webmap feature makes a full scan of the entire print repeat at the touch of a button and creates a composite image of the whole web. Once the webmap has been created simply touching any point on the webmap causes the camera to move rapidly to that exact position.

EYE MARK SYNC
Simplify job setup by using existing registration marks for inspection. This feature eliminates the need to add a dedicated single registration mark per repeat for proper synchronization.
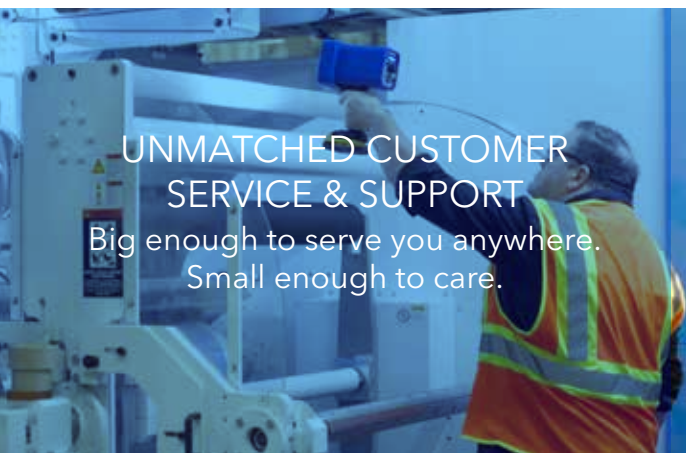
SMART LABEL CHECKING
Smart Label Checking streamlines quality control for numbered labels in a sequence by enabling inspection at any given repeat.

UNMATCHED CUSTOMER SERVICE & SUPPORT
Big enough to serve you anywhere.
Small enough to care.

Our knowledgeable local sales representatives will review your requirements with you to help determine which method of inspection is best for your process. We will bring our products to your facility for an on-site-demonstration.

Find your local contact at www.unilux.com

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The Power To See