



KODAK FLEXCEL NX WIDE 5080 SYSTEM

Maximize to Minimize

The KODAK FLEXCEL NX System has a serious advantage. One that goes beyond the traditional capabilities of flexo. It's flexo without compromise. Ready to compete?

Market-proven for combining high-volume with large-format applications, the KODAK FLEXCEL NX Wide 5080 System brings expansive benefits for maximum productivity with minimal waste. Your 5080 advantages: Large format production, efficient plate layouts, operator-friendly functionality, and serious imaging speed.

Unmatched technology.

You want unsurpassed quality output with zero impact on productivity. Kodak's unique imaging technology gives you the powerful NX Advantage that sets you up for guaranteed success on press. And with KODAK SQUARESPOT Imaging Technology, impeccable process control is yours. Consistent, efficient, compelling. What quality gap?

Looking for the fastest imaging speed in the industry? FLEXCEL NX Imagers expose the KODAK FLEXCEL NX Thermal Imaging Layer at breathtaking speed. Expect highly efficient and cost-effective plate making. On repeat.

Rich capabilities.

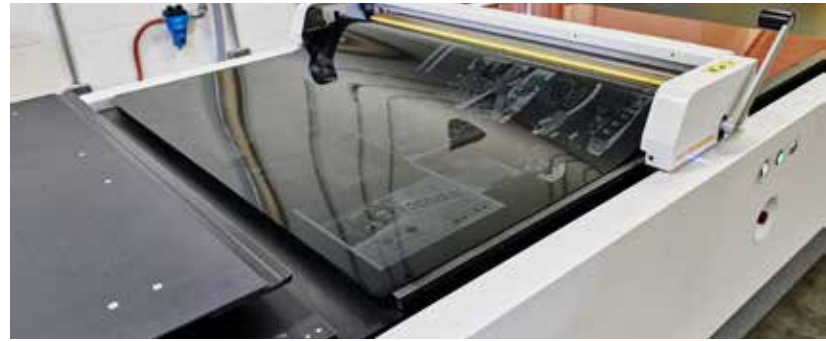
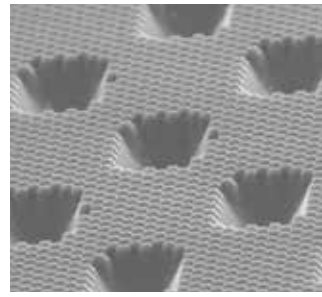
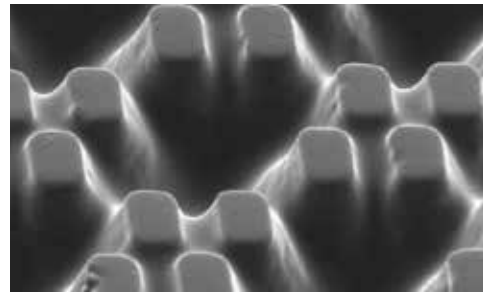
Versatile products and proven technologies that can adapt quickly to shifting markets are the rule. Already a robust platform, enhancements to the FLEXCEL NX System are backwards compatible. Outstanding imaging technology, impressive productivity and process stability along with easy maintenance - a solid ROI.

Complete solution.

With innovative hardware, software, and consumables designed to work seamlessly together, the KODAK FLEXCEL NX System delivers one powerful performance. Along with Kodak's world-class service and support, you have a best-in-class solution for high-definition flexo printing that exceeds expectations. Even yours.

It's flexo. Transformed.





Complete integration.

FLEXCEL NX Wide 5080 Imager

Enabling plate making up to an impressive 50 x 80 inches, its air cushion technology and leading edge detection streamline large format handling. Easy to use and semi-automatic with impressively fast imaging, it's designed to work exclusively with KODAK FLEXCEL NX Plate Kits. And for a process-free alternative to conventional silver halide film, it's fully compatible for KODAK DITR Film imaging.

FLEXCEL NX Wide 5080 Laminator

Enhanced features facilitate switching between plate sizes and thicknesses. Quick and simple lamination of the FLEXCEL NX Thermal Imaging Layer to the FLEXCEL NX Plate prior to exposure and processing removes all oxygen between mask and plate for full-amplitude flat top dots. Crystal clear difference.

FLEXCEL NX Workstation

Includes KODAK TIFF Assembler Plus Software, fully loaded and feature-rich for managing plate layouts, deploying Kodak's powerful NX Advantage technology, and supporting third-party cutting tables.

Powered by NX Advantage

Kodak's NX Advantage technology, that includes patented Advanced Edge Definition, is unique to the FLEXCEL NX System and gives flexo printers an unprecedented level of control over ink transfer during the printing process, resulting in substantial print production efficiency and quality benefits with a simple plate portfolio.

SQUARESPOT Technology

KODAK SQUARESPOT Imaging Technology is Kodak's award-winning thermal imaging technology, available only in Kodak imaging devices. SQUARESPOT Technology allows printers to reach a higher level of stability, accuracy, and reliability in their printing operation.

Accessories



Densitometer

Standard with every FLEXCEL NX Wide System, the X-RITE 361T UV Densitometer is a quality control tool for imaging set-up and troubleshooting.



Media Rack

Convenient, mobile, and designed to be placed adjacent to the 5080 Imager to ensure easy media handling.



Rolling Plate Cart

Smartly designed to tilt and move for easy transportation of wide format plates between lamination, exposure, and processing stations.

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Workflow Specifications

Workflow connectivity KODAK TIFF Assembler Plus Software; accepts 1 bit TIFF and LEN files from all workflows systems.

Specifications for imaging KODAK FLEXCEL NX Thermal Imaging Layer (TIL)

Imaging speed	With KODAK DIGICAP NX Patterning applied: 12.5 m ² /hr Without DIGICAP NX Patterning applied: 6.5 m ² /hr		
Media sizes and throughput * (includes loading and unloading)	TIL size	For plate size	Sheets imaged per hour @ 2400 dpi with DIGICAP NX
	640 x 838 mm (25.2 x 33 in)	610 x 762 mm (24 x 30 in)	10
	838 x 1097 mm (33 x 43.2 in)	800 x 1067 mm (31.5 x 42 in)	7.5
	940 x 1230 mm (37 x 48 in)	900 x 1200 mm (35.4 x 47.2 in)	5.5
	1097 x 1554 mm (43.2 x 61.2 in)	1067 x 1524 mm (42 x 60 in)	5.5
	1283 x 2062 mm (50.5 x 81.1 in)	1270 x 2032 mm (50 x 80 in)	3.5
Resolution	2400 dpi		
Repeatability	± 16 microns between 2 consecutive exposures on the same TIL left on the drum		

Finished Plate Resolution 300 lpi maximum linescreen (0.4% to 99.6%)

Physical characteristics for imager

Dimensions (H x W x D)	120 x 323 x 213 cm (47 x 127 x 84 in), Loading table height: 84 cm (33 in)
Debris removal cabinet (UDRC)	88 x 63 x 54 cm (35 x 25 x 21 in)
External vacuum pump (H x W x D)	51 x 67 x 144 cm (20 x 26 x 57 in) Required for imaging of offset plates only
Weight	Imager: 1760 kg (3870 lb) UDRC: 68 kg (150 lb)

Physical Characteristics for laminator

Dimensions (H x W x D)	78 x 134 x 277 cm (30.7 x 52.7 x 109 in), Table height with handle: 131 cm (51.5 in)
Weight	950 kg (2094 lb)

Operating conditions

Temperature	17° - 30°C (63° - 86°F)
Humidity	40% - 60% relative humidity, non-condensing

Optional Upgrades

Hybrid Option	Enables the imaging of thermal offset plates
KODAK FLEXCEL NX Screening Tower	Provides Kodak screening options compatible with any prepress workflow

KODAK FLEXCEL NX System is compatible with KODAK DITR Film.

KODAK FLEXCEL NX

SYSTEM

A Full Portfolio	Plate sizes					
	610 x 762 mm 24 x 30 inch	800 x 1067 mm 31.5 x 42 inch	900 x 1200 mm 35.4 x 47.2 inch	1067 x 1524 mm 42 x 60 inch	1270 x 1651 mm 50 x 65 inch	1270 x 2032 mm 50 x 80 inch
KODAK FLEXCEL NX Wide 5080 System	X	X	X	X	X	X
KODAK FLEXCEL NX Wide 4260 System	X	X	X	X		
KODAK FLEXCEL NX Wide 3548 System	X	X	X			
KODAK FLEXCEL NX Mid System	X	X				
KODAK FLEXCEL NX Narrow System	X					

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