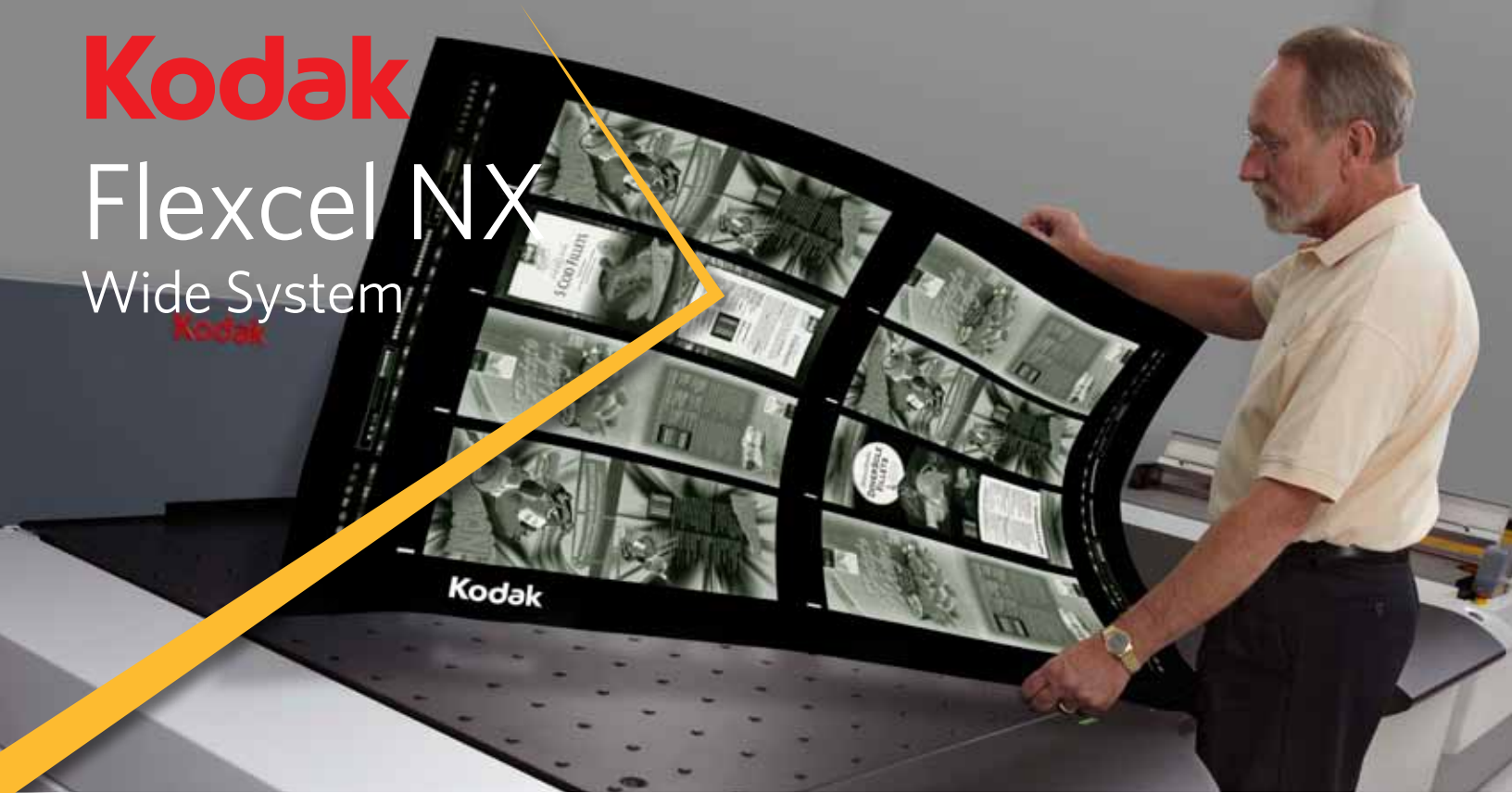


Kodak

Flexcel NX

Wide System



Wide format unlocks opportunities

The award-winning **Kodak Flexcel NX System** is now available in a wider format, allowing you to take full advantage of the unique benefits that **Kodak Flexcel NX Plates** have to offer in larger sizes. You can enjoy the same outstanding print quality and print production efficiencies that the **Flexcel NX System** has become known for, and take advantage of the new 42 x 60 inch (1067 x 1524 mm) plate size for larger layouts or greater job planning efficiency.

Shelf impact and production efficiency

The fine image reproduction, print contrast and high densities delivered by the **Kodak Flexcel NX Wide System** allow prepress service providers and converters to compete for business traditionally beyond the capabilities of flexo, enabling print buyers to take advantage of both the flexibility and cost-effectiveness of flexo and the quality they would normally expect from offset, gravure or digital printing.

In addition, **Flexcel NX Plates**, with enhanced ink transfer capabilities and high-resolution flat top dot structure, enable print efficiencies that include faster start up times, reduced waste, longer plate life and reduction in the number of print stations required per job.

High-quality CTP output for digital flexo plate making

Building on our success and expertise in thermal CTP technology, the **Kodak Flexcel NX Wide Imager** utilizes **Kodak SQUAREspot** Imaging Technology to deliver exceptional quality, productivity and consistency. The imager creates a mask for plate making—imaging the **Kodak Flexcel NX Thermal Imaging Layer** at an impressive speed—and features user-friendly semi-automatic loading and unloading.

Prior to traditional UV exposure and processing, the imaging layer is laminated to a **Flexcel NX Plate**, a key process that eliminates the presence of oxygen and ensures the creation of full-amplitude flat top dots that are a faithful 1:1 reproduction of the original digital file.

A complete solution

Kodak combines expertise in digital imaging technology and materials science to bring you more than individual components; we deliver a full solution for digital flexo that includes software, imager, plate making processes and plate materials. All components of the **Flexcel NX Wide System** are optimized to work efficiently together, bringing you best-in-class capabilities for high-definition flexo printing.

In addition, when bundled with **Kodak Prinergy Powerpack Workflow**, Kodak's color proofing systems, and **Kodak Service and Support**, the **Flexcel NX Wide System** is part of a complete Kodak Solution that delivers high quality and consistency to packaging prepress service providers and printers.

Completely integrated turnkey solution



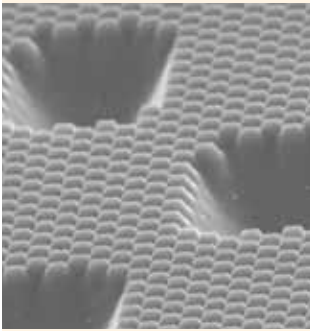
Kodak Flexcel NX Wide Imager

The **Flexcel NX Wide Imager** utilizes **SQUARESPOT** Imaging Technology to image the **Flexcel NX Thermal Imaging Layer**, creating a digital mask with exceptional image quality for making **Flexcel NX Plates**. **Kodak DITR 4401 Film** (to be accredited soon on the system) can also be imaged, and an optional hybrid upgrade enables the imaging of digital offset plates.



Kodak Flexcel NX Wide Laminator

The **Flexcel NX Wide Laminator** is used to laminate the Thermal Imaging Layer to the **Flexcel NX Plate** prior to exposure and processing. While quick and simple, the lamination stage is critical because it removes all oxygen between the mask and the plate, allowing the creation of full-amplitude flat top dots.

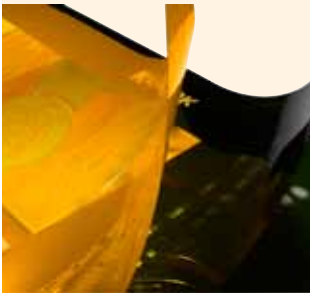


Kodak TIFF Front End Software

Powerful **Kodak TIFF Front End Software** drives the **Flexcel NX Imager** and allows operators to preview and inspect files for accuracy before imaging, and optimize media usage by arranging multiple separations on a single plate. The result is outstanding device control and job management, fast processing speeds and simplicity of operation.

Kodak DigiCap NX Screening

Award-winning **Kodak DigiCap NX Screening** is implemented in the **Kodak TIFF Front End**. It utilizes the high-resolution capabilities of the **Flexcel NX System** to create a micro-texturization pattern on the surface of all plate elements, significantly boosting ink transfer efficiency.



Kodak Flexcel NX Thermal Imaging Layer

The unique formulation of the **Flexcel NX Thermal Imaging Layer** allows high resolution and fast imaging, and intimate optical contact with the plate during UV exposure.

Kodak Flexcel NX Plates

Flexcel NX Plates are reliable, high-quality flexographic plates designed to print on a wide variety of substrates. They offer superior ink transfer, smooth solids, uniform laydown, robust on-press performance and excellent ozone resistance.

Accessories:



Densitometer

The **X-Rite 361T UV densitometer**, supplied as a standard accessory with every **Flexcel NX Wide System**, is a valuable tool for imaging set-up, troubleshooting and quality control.



Media Rack

A convenient mobile media rack, designed to be placed adjacent to the **Flexcel NX Wide Imager**, ensures that sheets of Thermal Imaging Layer are close at hand when required for loading.



Rolling Plate Cart

A tilting rolling cart facilitates the safe transportation of wide format plates between lamination, exposure and processing stations.

Kodak Flexcel NX Wide System specifications

Kodak Flexcel NX Wide Imager

Physical characteristics

Imager dimensions (H x W x D)	47 x 127 x 92 in (120 x 323 x 234 cm); Loading table height: 33 in (83 cm)
Debris removal cabinet (UDRC)	34 x 22 x 22 in (86 x 56 x 56 cm)
External vacuum pump (H x W x D)	20 x 26 x 57 in (51 x 67 x 144 cm) Required for imaging of offset plates only
Weight	3,870 lb (1,760 kg)

Workflow specifications

Workflow connectivity	Kodak TIFF Front End Software Optional: Kodak Prinergy Powerpack Workflow
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Specifications for imaging **Kodak Flexcel NX** Thermal Imaging Layer (TIL) (used to make **Kodak Flexcel NXH** Plates)

Throughput (includes loading and unloading)	<i>With DigiCap NX Screening applied:</i>	<i>Without DigiCap NX Screening applied:</i>
	6 wide TIL per hour 8 mid TIL per hour 12 narrow TIL per hour	4 wide TIL per hour 5 mid TIL per hour 7 narrow TIL per hour
Media sizes	640 x 838 mm (to make 610 mm x 762 mm plate) 838 x 1097 mm (to make 800 mm x 1067 mm plate) 1097 x 1554 mm (to make 1067 mm x 1524 mm plate)	
Resolution	2400 dpi	
Screening	450 lpi maximum linescreen, Kodak DigiCap NX Screening, Kodak Maxtone Screening and Kodak Maxtone CX Screening, Kodak HyperFlex Ready Imaging Technology, Kodak Staccato Screening	

Specifications for imaging 830 nm thermal IR digital offset plates with Hybrid Option

Throughput (by plate size along x around)	<u>940 x 572</u>	<u>1448 x 572</u>	<u>1030 x 800</u>	<u>1524 x 1143</u>	<u>2070 x 1562</u>	
	S-speed (plates per hour)	13.5	9.6	12.5	8.1	7
	F-speed (plates per hour)	21.8	16.4	20.5	15.6	12.4
	V-speed (plates per hour)	27.2	21.3	25.8	20.4	16.6
Non-imaged repeatability	.240 in (6.1 mm) wide strip along leading edge, .300 in (7.6 mm) along trailing edge					
Repeatability	15 microns (0.6 mil) between two plates imaged by the same device					
Accuracy	35 microns (1.4 mil) between two plates imaged by different devices					
Registration	25 microns (1.0 mil) between image and edge at registration points					
Media thickness	0.008 - 0.015 in (0.20 - 0.40 mm)					
Media sizes	<i>Along drum dimensions:</i>			<i>Around drum dimensions:</i>		
	Minimum: 15.5 in (394 mm) Maximum: 82 in (2083 mm)			Minimum: 15.5 in (394 mm) Maximum: 51 in (1296 mm)		
Screening	450 lpi maximum linescreen, 20 micron Kodak Staccato Screening <i>Optional:</i> 10 micron Kodak Staccato Screening					

The platesetter is a Class 1 Laser Product and fully complies with EN60825-1 and US Federal Regulations 21 CFR 1040.10 - CDRH.

Kodak Flexcel NX Wide System specifications (continued)

Kodak Flexcel NX Wide Laminator

Dimensions (H x W x D)	34 x 107 x 52 in (87 x 273 x 133 cm) Table height: 32 in (81 cm)
Weight	1520 lb (700 kg)
Supported plate sizes	610 x 762 mm, 800 x 1067 mm, 1067 x 1524 mm

Kodak Flexcel NX Wide System

Operating conditions

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

Global service and support organization

Kodak Solutions for the packaging market are supported by a world-class team of dedicated sales, professional consulting and service staff. Our global service and support organization is fast, effective and targeted.

Leading flexographic solutions

Kodak delivers flexographic solutions designed to enable our customers to print better and print smarter. Our solutions drive business growth through increased shelf impact and production efficiencies, opening new doors for flexographic printers and service providers.

A world-class partner

From packaging concept to creation, no other partner brings a more complete solution to printer-converters, trade shops and the brand owners they serve than Kodak. Our strategic vision is to provide solutions for accurate color packaging, across any substrate, through any print process, worldwide.



To learn more about solutions from Kodak:
Visit www.kodak.com/go/packaging

Produced using **Kodak** Technology.

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Kodak

It's time for you **AND** Kodak