

Kodak

Flexcel NX

Wide System



Brand new imager

In keeping with Kodak's commitment to ongoing product development, the **Kodak Flexcel NX Wide System** is now offered with a brand new imaging device. The **Kodak Flexcel NX Wide-C Imager** utilizes the same award-winning imaging technology common to all **Kodak Flexcel NX Imagers**, and offers a compact footprint, enhanced edge detection features for media handling and a streamlined installation process.

With a maximum plate size of 42 x 60 inches (1067 x 1524 mm) the **Flexcel NX Wide System** accommodates large layouts and facilitates efficient job planning, while producing **Kodak Flexcel NX Plates** that enable print production efficiencies and outstanding print quality. In addition to the **Flexcel NX Thermal Imaging Layer**, the device offers full compatibility for **Kodak DITR Film** imaging and an opportunity to add a Hybrid Option for digital offset plate imaging. The original **Flexcel NX Wide Imager** remains an important part of the product portfolio, and is available for those customers that need even larger digital offset plate imaging capabilities.

Shelf impact and production efficiency

The fine image reproduction, print contrast and high densities delivered by the **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 and longer plate life. Plate surface texturization enabled by **Kodak DigiCap NX Screening** means that customers can

expect higher densities, a wider color gamut and improvements in combination plate utilization, opening up the opportunity to reduce the number of plates required per job.

High-quality CTP output for digital flexo plate making

Building on our success and expertise in thermal CTP technology, **Kodak Flexcel NX Imagers** utilize **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



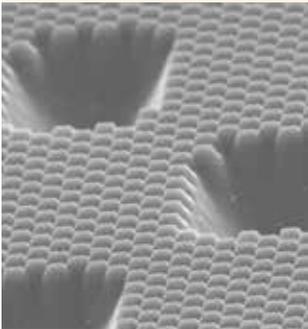
Kodak Flexcel NX Wide-C Imager

The NEW! **Flexcel NX Wide-C Imager** enables plate making up to 42" x 60," with a compact device footprint. Like all other imagers in the family, the **Flexcel NX Wide-C Imager** utilizes the proven **Kodak SQUAREspot** Imaging Technology to deliver exceptional image quality.



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.

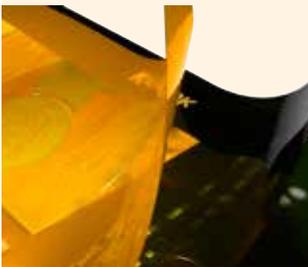


Kodak TIFF Front End Software

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 Imager

A **Flexcel NX Wide System** that includes the original **Flexcel NX Imager** (an alternative to the **Flexcel NX Wide-C Imager**) can be an excellent choice for customers that require very large format digital offset plates.

Kodak Flexcel NX Wide System specifications

	Kodak Flexcel NX Wide-C Imager	Kodak Flexcel NX Wide Imager
Physical characteristics		
Imager dimensions (H x W x D)	47.2 x 100 x 71.3 in (120 x 254 x 181 cm) Loading table height: 33 in (83 cm)	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)	N/A	20 x 26 x 57 in (51 x 67 x 144 cm) Required for imaging of offset plates only
Weight	2,314 lb (1,050 kg)	3,870 lb (1,760 kg)
Workflow specifications		
Workflow connectivity	Kodak TIFF Front End Software Optional: Kodak Prinergy Powerpack Workflow	
Specifications for imaging Kodak Flexcel NX Thermal Imaging Layer (TIL) (used to make Kodak Flexcel NX Plates)		
Throughput (includes loading and unloading)	With DigiCap NX Screening applied: Imaging rate: 11.8 m ² /hr 6.1 wide TIL per hour 10.3 mid TIL per hour 12.8 narrow TIL per hour Without DigiCap NX Screening applied: Imaging rate: 9.1 m ² /hr 4.8 wide TIL per hour 8.3 mid TIL per hour 10.4 narrow TIL per hour	With DigiCap NX Screening applied: Imaging rate: 13.4 m ² /hr 6.8 wide TIL per hour 8.6 mid TIL per hour 10.8 narrow TIL per hour Without DigiCap NX Screening applied: Imaging rate: 7.3 m ² /hr 3.8 wide TIL per hour 4.9 mid TIL per hour 6.3 narrow TIL per hour
Media sizes	25.2 x 33 in (640 x 838 mm), to make 24 x 30 in (610 x 762 mm) plate 33 x 43.2 in (838 x 1,097 mm), to make 31.5 x 42 in (800 x 1,067 mm) plate 43.2 x 61.2 in (1,097 x 1,554 mm), to make 42 x 60 in (1,067 x 1,524 mm) plate	
Resolution	2400 dpi	
Repeatability	16 microns between 2 consecutive exposures on the same TIL left on the drum	
Screening	300 lpi maximum linescreen (0.4% to 99.6%) Kodak DigiCap NX Screening Kodak Maxtone Screening and Kodak Maxtone CX Screening Kodak HyperFlex Ready Imaging Technology Kodak Staccato Screening	

Kodak Flexcel NX Wide System specifications (continued)

	Kodak Flexcel NX Wide-C Imager	Kodak Flexcel NX Wide Imager
Specifications for imaging Kodak D1TR 4401 Film		
Speed-Imaging time	5.5 minutes per 23.6 x 29.5 in (600 x 750 mm) 6.7 minutes per 33 x 44.2 in (838 x 1,123 mm) 12 minutes per 43.2 x 61.2 in (1,097 x 1,554 mm)	AVAILABILITY PENDING
Media sizes	23.6 x 29.5 in (600 x 750 mm) 33 x 44.2 in (838 x 1,123 mm) 43.2 x 61.2 in (1,097 x 1,554 mm)	
Repeatability	16 microns between 2 consecutive exposures on the same film left on the drum	
Resolution	2400 dpi	
Screening	200 lpi maximum linescreen (2% to 98%)	

Specifications for imaging 830 nm thermal IR digital offset plates with Hybrid Option									
Throughput (by plate size mm)	940 x 572	1448 x 572	1030 x 800	1524 x 1143	940 x 572	1448 x 572	1030 x 800	1524 x 1143	2070 x 1562
Plates per hour:									
S-speed					13.5	9.6	12.5	8.1	7.0
F-speed	14.7	9.1	13.0	8.6	21.8	16.4	20.5	15.6	12.4
V-speed	26.1	16.3	22.3	15.8	27.2	21.3	25.8	20.4	16.6
Repeatability	16 microns between 2 consecutive exposures on the same plate left on the drum								
Accuracy	± 35 microns (1.4 mil) between 2 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>Around drum dimensions:</i> Min. 15.5 in (394 mm), Max. 52 in (1,325 mm) <i>Along drum dimensions:</i> Min. 15.5 in (394 mm), Max. 64 in (1,630 mm)				<i>Around drum dimensions:</i> Min. 15.5 in (394 mm), Max. 62.9 in (1,600 mm) <i>Along drum dimensions:</i> Min. 15.5 in (394 mm), Max. 82 in (2,083 mm)				
Screening	450 lpi max. linescreen 20 micron Kodak Staccato Screening								

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	1,540 lb (700 kg)
Supported plate sizes	610 x 762 mm; 800 x 1,067 mm; 1,067 x 1,524 mm

Kodak Flexcel NX Wide System

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

To learn more about solutions from Kodak:

Visit www.kodak.com/go/packaging

Produced using **Kodak** Technology.

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