

NX WIDE

VERSATILE,
HIGH-QUALITY
IMAGING

Efficient large-format plate production

The **Kodak Flexcel NX Wide System** delivers exceptional image quality 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.

Versatile, high-quality imaging

Building on our success and expertise in thermal CTP technology, the **Kodak Flexcel NX Wide-C Imager** utilizes the same award-winning **Kodak SQUAREspot Imaging Technology** common to all **Kodak Flexcel NX Imagers**. **SQUAREspot Imaging Technology** delivers 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.

Do more with less

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.

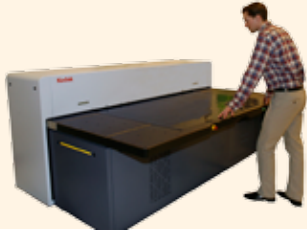
In addition, **Flexcel NX Plates**—with enhanced ink transfer capabilities and high-resolution, flat-top dot structure—enable print efficiencies that include faster start up times, reduced waste and longer plate life. Plate surface texturization enabled by **Kodak DigiCap NX Patterning** means that customers 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.

A complete solution

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

In addition, when integrated with **Kodak Insite Portal Products**, **Kodak Prinergy Workflow** and the **Kodak Spotless Flexographic Solution**, the **Flexcel NX Wide System** forms part of a complete **Kodak Solution** that delivers high quality, efficiency and automation to packaging prepress service providers and printers.

Completely integrated turnkey solution



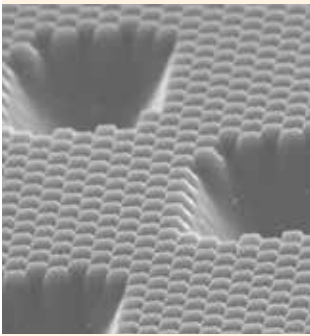
Kodak Flexcel NX Wide-C Imager

The **Flexcel NX Wide-C Imager** enables plate making up to 42 x 60 inches, with a compact device footprint. Like all other imagers in the family, the **Flexcel NX Wide-C Imager** utilizes 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.

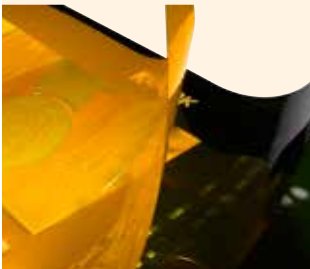


Kodak TIFF Front End Software

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 Patterning

Award-winning **Kodak DigiCap NX Patterning** 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 NXH 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-C 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-C Imager

Physical characteristics

Imager dimensions (H x W x D)	120 x 254 x 181 cm (47.2 x 100 x 71.3 in) Loading table height: 83 cm (33 in)
Debris removal cabinet (UDRC)	86 x 56 x 56 cm (34 x 22 x 22 in)
Weight	1050 kg (2314 lb)

Workflow specifications

Workflow connectivity	Kodak TIFF Front End Software Optional: Kodak Prinergy Workflow System
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Specifications for imaging Kodak Flexcel NX Thermal Imaging Layer (TIL)

Throughput (includes loading and unloading)	<p>With DigiCap NX Patterning applied: Imaging rate: 11.8 m²/hr 6.1 wide TIL per hour 10.3 mid TIL per hour 12.8 narrow TIL per hour</p> <p>Without DigiCap NX Patterning applied: Imaging rate: 9.1 m²/hr 4.8 wide TIL per hour 8.3 mid TIL per hour 10.4 narrow TIL per hour</p>
Media sizes	640 x 838 mm (25.2 x 33 in), to make 610 x 762 mm (24 x 30 in) plate 838 x 1097 mm (33 x 43.2 in), to make 800 x 1067 mm (31.5 x 42 in) plate 1097 x 1554 mm (43.2 x 61.2 in), to make 1067 x 1524 mm (42 x 60 in) 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 Patterning Kodak Maxtone Screening and Kodak Maxtone CX Screening Kodak HyperFlex Ready Imaging Technology Kodak Staccato Screening

Specifications for imaging Kodak DITR 4401 Film

Speed-Imaging time	5.5 minutes per 600 x 750 mm (23.6 x 29.5 in) 6.7 minutes per 838 x 1123 mm (33 x 44.2 in) 12 minutes per 1097 x 1554 mm (43.2 x 61.2 in)
Media sizes	600 x 750 mm (23.6 x 29.5 in) 838 x 1123 mm (33 x 44.2 in) 1097 x 1554 mm (43.2 x 61.2 in)
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%)

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)

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

Throughput (by plate size mm)	<u>940 x 572</u>	<u>1448 x 572</u>	<u>1030 x 800</u>	<u>1524 x 1143</u>
Plates per hour:				
F-speed	14.7	9.1	13.0	8.6
V-speed	26.1	16.3	22.3	15.8
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	0.20 - 0.40 mm (0.008 - 0.015 in)			
Media sizes	<i>Around drum dimensions:</i> Min. 394 mm (15.5 in), Max. 1325 mm (52 in) <i>Along drum dimensions:</i> Min. 394 mm (15.5 in), Max. 1630 mm (64 in)			
Screening	450 lpi max. linescreen 20 micron Kodak Staccato Screening			

Kodak Flexcel NX Wide Laminator

Dimensions (H x W x D)	87 x 273 x 133 cm (34 x 107 x 52 in), Table height: 81 cm (32 in)
Weight	700 kg (1540 lb)
Supported plate sizes	610 x 762 mm 800 x 1067 mm 1067 x 1524 mm

Kodak Flexcel NX Wide System

Operating conditions

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

To learn more about solutions from Kodak:
Call +1-866-563-2533 in North America

Produced using **Kodak** Technology.

Eastman Kodak Company
343 State Street
Rochester, NY 14650 USA

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KODAK.COM/GO/FLEXCELNX

