

## NX MID-NARROW

SPEED AND VERSATILITY  
FOR SMALLER-FORMAT  
APPLICATIONS



### New design for new challenges

Kodak has redesigned the popular **Kodak Flexcel NX Imager** to meet the new challenges of today's business environment. The new **Flexcel NX Imager** has a smaller footprint and the latest hardware components, as well as improved serviceability. To succeed in today's changing market, you need products and technologies that can adapt, and Kodak has invested in the **Flexcel NX Imager** to help you excel, now and in the future.

### High-quality CTP output for digital flexo plate making

Building on our success and expertise in thermal CTP technology, **Kodak Flexcel NX Imagers** deliver exceptional productivity and consistency, as well as a wide tonal range for flexographic printing. Available in Narrow and Mid formats, **Flexcel NX Imagers** offer outstanding imaging technology, semi-automatic operation, process stability, and easy maintenance.

As part of the **Kodak Flexcel NX System**, these reliable and robust imagers allow packaging printers to produce high quality results that differentiate their products. **Flexcel NX Imagers** use **Kodak SQUARESPOT** Imaging Technology for outstanding process control and to produce an image dot size as small as 10 microns.

### Speed and versatility

**Flexcel NX Imagers** expose the **Kodak Flexcel NX Thermal Imaging Layer** at an impressive speed of 9.6 m<sup>2</sup> per hour, about half the time it takes to image a digital flexo plate with a laser ablative mask. Loading and unloading are also faster, because no taping or clamping is required.

Following exposure, the imaging layer is laminated to a **Kodak Flexcel NX Plate**. The result? A digital flexo plate imaging solution that eliminates highlight drop-off and provides exceptional printing results.

The hybrid option for **Flexcel NX Mid and Narrow Imagers** enables imaging of both flexo and offset plates on the same device, maximizing your return on investment as well as image quality across substrates.

### Complete solution from Kodak

Kodak's devices are a solid business investment, combining superb speed, image quality, process stability and reliability. When bundled with the **Kodak Prinergy Workflow System** for packaging, Kodak's color proofing systems, and **Kodak Service and Support**, **Flexcel NX Imagers** are part of a complete **Kodak Solution** that delivers high quality and consistency to packaging printers.

# Completely integrated turnkey solution



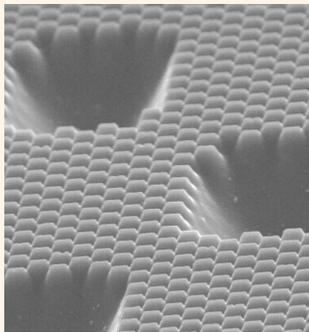
## Kodak Flexcel Imager

The **Flexcel** NX Imager enables plate making up to 31.5 x 42 inches, with a compact device footprint. Like all other imagers in the family, the **Flexcel** NX Imager utilizes proven **Kodak SQUAREspot** Imaging Technology to deliver exceptional image quality.



## Kodak Flexcel NX Laminator

The **Flexcel** NX 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 System, is a valuable tool for imaging set-up, troubleshooting and quality control.

# Kodak Flexcel NX Mid-Narrow System specifications

## Kodak Flexcel NX Imager

### Physical characteristics

Imager dimensions (H x W x D)	160 x 200 x 120 cm (63 x 79 x 48 in)
Debris removal cabinet (UDRC)	88 x 63 x 54 cm (35 x 25 x 21 in)
Weight	Imager: 650 kg (1433 lb) UDRC: 68 kg (150 lb)

### Workflow specifications

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

	Flexcel NX Narrow Imager	Flexcel NX Mid Imager
Area	9.6 m <sup>2</sup> per hour	
Imaging time	4.3 minutes per imaging layer	6.7 minutes per imaging layer
Media sizes	640 x 838 mm (25.2 x 33 in), to make 610 x 762 mm (24 x 30 in) plate	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
Resolution	2400 dpi	
Repeatability	± 8 microns between 2 consecutive exposures on the same TIL left on the drum	
Screening	300 lpi maximum linescreen (0.4% to 99.6%) <b>Kodak DigiCap</b> NX Patterning <b>Kodak Maxtone</b> Screening and <b>Kodak Maxtone</b> CX Screening <b>Kodak HyperFlex</b> Ready Imaging Technology <b>Kodak Staccato</b> Screening	

### Specifications for imaging Kodak DITR Film

Speed - imaging time	5.5 minutes per 600 x 750 mm (23.6 x 29.5 in)
Media size	600 x 750 mm (23.6 x 29.5 in)
Repeatability	± 8 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 Mid-Narrow System specifications (continued)

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

	Flexcel NX Narrow Imager	Flexcel NX Mid Imager
Throughput (by plate size mm)	F speed: 30 plates per hour For 724 mm (28.5 in) plate size	F speed: 22 plates per hour X speed: 34 plates per hour For 1030 mm (40.5 in) plate size
Repeatability	± 8 microns between 2 consecutive exposures on the same plate left on the drum	
Accuracy	± 20 microns (± 0.8 mil) absolute accuracy between two plates imaged by different <b>Flexcel</b> NX Hybrid Imagers (at largest plate size)	
Registration	± 25 microns between image and plate edges either along or around the drum	
Media thickness	0.150 to 0.305 mm (0.006 to 0.012 in)	
Media sizes	Minimum: 215 x 267 mm (8.5 x 10.5 in) Maximum: 838 x 990 mm (33 x 39 in)	Minimum: 215 x 267 mm (8.5 x 10.5 in) Maximum: 838 x 1143 mm (33 x 45 in)
Screening	450 lpi max. linescreen; 20 micron <b>Kodak Staccato</b> Screening Optional: 10 micron <b>Kodak Staccato</b> Screening	

## Kodak Flexcel NX Laminator

Dimensions (H x W x D)	90 x 181 x 110 cm (35.4 x 71.3 x 43.4 in.)
Weight	350 kg (770 lb.)
Supported plate sizes	610 x 762 mm 800 x 1067 mm

## Kodak Flexcel NX 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.

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