

# Kodak

## Flexcel NX Imager



### 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 Digital Flexographic 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 9.5 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 Digital Flexographic 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 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.

# Kodak Flexcel NX Imager product specifications

| Flexcel NX Narrow Imager                           |  | Flexcel NX Mid Imager   |
|--|--|---|
| <b>Speed</b>                                       |  |   |
| Line speed   | 208.3 mm (8.2 in.) per minute  |   |
| Area   | 9.5 m <sup>2</sup> per hour  |   |
| Imaging time                                       | 4 minutes per imaging layer  | 6 minutes per imaging layer   |
| <b>Media specifications</b>                        |  |   |
| Media type   | Kodak Flexcel NX Thermal Imaging Layer (which works with Kodak Flexcel NX Digital Flexographic Plates)                           |   |
| Media sizes  | Minimum: 215 x 300 mm (8.5 x 11.8 in.)<br>Maximum: 838 x 838 mm (33 x 33 in.)  | Minimum: 215 x 300 mm (8.5 x 11.8 in.)<br>Maximum: 1143 x 838 mm (45 x 33 in.)            |
| Repeatability                                      | +/- 5 microns between two consecutive exposures  |   |
| Resolution   | 2400 dpi   |   |
| Screening  | 450 lpi maximum linescreen<br>Kodak Maxtone Screening and Kodak Maxtone CX Screening<br>Kodak HyperFlex Ready Imaging Technology |   |
| <b>Workflow specifications</b>                     |  |   |
| Workflow connectivity                              | Kodak TIFF Front End Software    Optional: Kodak Prinergy Powerpack Workflow System  |   |
| <b>Physical characteristics</b>                    |  |   |
| Dimensions (H x W x D)                             | 160 x 200 x 120 cm (63 x 79 x 48 in.)  |   |
| Weight   | Flexcel Imager: 650 kg (1433 lb.)    Debris removal system (UDRC): 48 kg (106 lb.)   |   |
| <b>Flexcel NX Narrow Imager with hybrid option</b> |  | <b>Flexcel NX Mid Imager with hybrid option</b>   |
| Throughput (offset plates)                         | V speed: 43 plates per hour  | F speed: 22 plates per hour<br>V speed: 30 plates per hour<br>X speed: 34 plates per hour |
| Registration                                       | +/- 25 microns between image and edge (at largest plate size)  |   |
| <b>Media specifications</b>                        |  |   |
| Media type   | Digital offset plates  |   |
| Media thickness                                    | 0.15 - 0.40 mm   |   |
| Media sizes  | Minimum: 215 x 300 mm (8.5 x 11.8 in.)<br>Maximum: 838 x 990 mm (33 x 39 in.)  | Minimum: 215 x 300 mm (8.5 x 11.8 in.)<br>Maximum: 1143 x 838 mm (45 x 33 in.)            |
| Screening  | 450 lpi maximum linescreen; 20-micron Kodak Staccato Screening<br>Optional: 10-micron Kodak Staccato Screening                   |   |
| <b>Kodak Flexcel NX Laminator</b>                  |  |   |
| 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.)   |   |

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

**To learn more about solutions from Kodak:**  
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Produced using Kodak Technology.  
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