

MAXIMUM
UPTIMEHIGH THROUGHPUT,
ADVANCED
AUTOMATION, AND
EXCELLENT QUALITY

The **Kodak Generation News Platesetter** provides both the superior process stability and imaging consistency of thermal technology and throughput speeds of up to 300 plates per hour. Newspaper printers can maximize productivity with this fast, highly automated plate making system, and realize all the benefits of thermal imaging.

Fully automated for maximum productivity and flexibility

The advanced automation features of the **Generation News Platesetter** allow you to save time and minimize the risk of errors. The **Kodak Generation News Platesetter** comes standard with four plate cassettes, enabling fast plate loading and unloading. As an added option, up to four plate formats can be online, increasing flexibility and uptime while reducing the number of plate lines needed to support multiple presses. The platesetter automatically selects and loads the correct size plate based on the job. You could have up to 1,600 broadsheet plates or 800 panorama plates online, running continuously with no operator intervention. Slip sheet removal, plate picking, transport to the imaging engine, and plate centering and registration are also all automatic. After plates are imaged, the system quickly conveys them to the plate processor with no operator involvement.

Quality, stability, and repeatability

The **Generation News Platesetter** is the only high-speed thermal platesetter available for newspapers. Thermal imaging systems provide stability and consistency, which in turn enable improved print quality, fewer remakes, and faster time to press. **Kodak SQUAREspot** Imaging Technology, standard on **Generation News Platesetters**, eliminates the process variation found in visible light and UV systems. Process variation can lead to costly remakes and poor or variable quality. **SQUAREspot** Technology enables high

resolution—up to 200 lpi—traditional AM screening and also allows you to utilize FM screening with **Kodak Staccato** Screening and hybrid screening with **Kodak Maxtone** Screening. **Staccato** Screening enables you to offer unique services such as high-quality color advertising, and allows you to print with more detail and vibrancy while saving on makeready time, materials and ink.

Also, the platesetter doesn't need regular calibration in order to provide consistent results. On press, you can shorten makeready times and achieve consistency throughout a print run, saving both time and money.

Open workflow compatibility

The **Generation News Platesetter** can easily interface with third-party workflow systems, allowing seamless integration into existing environments. The platesetter provides job and device status information in an easy to integrate and customizable XML format, saving time and eliminating the need for special modifications to the workflow. The interface has been qualified by all major workflow providers.

Proven, successful technology

The **Generation News Platesetter** was designed to meet the needs of today's newspaper printers. Our engineers incorporated the best of the technology used in our other proven newspaper platesetters and added advanced automation and speed capabilities for the most demanding newspaper environments.

As the only imaging technology platform that enables process-free plate making, thermal systems are a rock-solid investment for the future. Kodak has installed over 2,000 thermal newspaper CTP devices worldwide, and the **Generation News Platesetter** builds on our expertise and tradition of innovation. Our world-class service and support organization backs up our devices, so you can focus on growing your business.

Kodak Generation News Platesetter

General specifications

Technology	830 nm laser thermal imaging, fully automatic, external drum	
Loading/unloading	4 cassettes (standard). Each cassette holds up to 400 plates of the same size and thickness. Optional: Capability to have up to 4 different formats online. Fully automated; the cassette with the correct size plate is automatically selected according to the job definition. The unit automatically loads and unloads plates and removes slip sheets. Slip sheets are easily accessible from a front bin and can be removed while the platesetter is running.	
Plate capacity (0.3 mm plate thickness)	4 cassettes: 1,600 broadsheet size or 800 panorama size plates Capacity of slip sheet bin: 1,800 slip sheets	

Performance specifications

Throughput in plates per hour (pph) @ 343 mm, 1270 dpi	Z speed: 300 pph	V speed: 200 pph
Throughput in plates per hour (pph) @ 890 mm plate width, 1270 dpi	Z speed: 139 pph	V speed: 93 pph
Repeatability	10 microns (0.4 mil) between two plates imaged by the same Generation News Platesetter	
Accuracy	40 microns (1.6 mil) between two plates imaged by different Generation News Platesetters	
Workflow connectivity	TIFF downloader software connects to most third-party workflow systems. XPO TDL, TPD1 with XML connectivity to third party workflow systems included. Provides job and device status information.	

Imaging specifications

Resolution	4 resolutions: 1200 or 1270 dpi standard, 2400 or 2540 dpi optional for V-speed only
Screening technology	AM Screening, Kodak Maxtone Screening and Kodak Staccato Screening
Screening capability (dependent on media qualification)	AM screening: up to 200 lpi; up to 450 lpi with Commercial option FM screening: up to 25-micron Staccato Screening
Image area	Same as plate size, minus leading edge and trailing edge gripper margins of 5 mm (0.2 in.) each. Imaging up to 2 mm from leading edge is allowed in predefined areas.

Media specifications

Media type	Thermal IR-sensitive aluminum plates, 830 nm Recommended: Kodak ThermalNews PT Digital Plates or Kodak Sonora News Process Free Plates For other qualified plates, contact your Kodak representative.
Plate sizes: Min. to max. around drum circumference	460 - 660 mm (18.1 - 25.98 in.)
Min. to max along drum axis	Single wide (broadsheet): 275 - 450 mm (10.83 - 17.71 in.) Double wide (panorama): 450.1 - 985 mm (17.72 - 38.8 in.)
Plate thickness	0.2 mm - 0.3 mm (0.008 in. - 0.012 in.)

Plateline equipment

Plate processor	Recommended: Kodak T-HDX Plate Processors (no preheat) or Kodak Mercury P-HD Plate Processors For other qualified processors, contact your Kodak representative.
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Physical characteristics (platesetter)

Size (H x W x D)	183.5 x 185 x 322.5 cm (72.24 x 72.8 x 127 in.)
Weight	1,950 kg (4,300 lb.)

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

Produced using Kodak Technology.

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