

**Kodak**

Generation News

System



# High throughput, advanced automation, and excellent quality

The **Kodak Generation News** System provides both the superior quality of thermal imaging and throughput speeds of up to 300 plates per hour. Newspaper printers can maximize productivity with this fast, highly automated platemaking system, and realize all the benefits of thermal imaging.

## Fully automated for maximum productivity

The advanced automation features of the **Generation News** System allow you to save time and minimize the risk of errors. The **Kodak Generation News** Platesetter comes standard with two plate cassettes and is also available with four, enabling fast plate loading and unloading. The platesetter automatically selects and loads the correct size plate based on the job. Because each cassette can hold up to 400 broadsheet plates or 200 panorama plates, you could have up to 1600 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. The **Kodak Mercury P-HD** Plate Processor is a heavy-duty processor designed specifically to meet the demanding needs of the newspaper industry. Its automation features, such as a fully automated replenishment system, further extend the self-sustainability of the **Generation News** System.

## Quality, stability, and repeatability

The **Generation News** System is the only high-speed thermal plate making system 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 allows you to utilize **Kodak Staccato** Screening to print up to 1270 dpi. **Staccato** Screening not only allows you to offer unique services such as high-quality color advertising, it allows you to print with more detail and vibrancy and save on makeready time, materials and ink.

Also, the system 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.

## Throughput of up to 300 plates per hour

The **Generation News** System produces plates at rates up to 300 plates per hour, so you can produce more plates in less time and get to press faster.



## High-performance newspaper plates

A high-performance plate making system needs high-performance plates. **Kodak ThermalNews Gold** Digital Plates deliver fast imaging speeds, wide processing latitude, and crisp, clean dots for highly productive, stable newspaper plate making. Rated for over 200,000 impressions and capable of resolutions of 25 micron stochastic, **ThermalNews Gold** Plates enable you to fully realize the productivity and quality benefits of the **Generation News** System.



Multiple plate cassettes with automated loading allow you to run continuously for longer.

## Compact footprint

With an extremely compact footprint, the **Generation News** Platesetter allows you to easily replace existing lines without using additional space. It is ideal for printers that want to optimize floor space usage with parallel plate lines.

## Open workflow compatibility

The **Generation News** System works with a full range of workflow solutions, including the powerful **Kodak NewsManager** Workflow System, an open standards management system for high-performance newspaper printers. The **Generation News** System can also easily interface with third-party workflow systems, allowing seamless integration into existing environments.

## Complete newspaper system

The **Generation News** System was designed as a complete, integrated system to meet the needs of today's newspaper printers. Our engineers incorporated the best of the technology used in our other proven newspaper platesetters. The **Kodak Trendsetter NEWS** Thermal Platesetter and the **Kodak Newsetter** Platesetter are the leading thermal platesetters in the newspaper industry today. The **Generation News** System builds on Kodak's expertise and tradition of innovative technology for newspapers.

# Kodak Generation News System

## General specifications

Technology	830 nm laser thermal imaging, fully automatic, external drum
Loading/unloading	2 cassettes (standard) or 4 cassettes. Each cassette holds up to 400 plates of the same size and thickness. 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)	2 cassettes: 800 broadsheet size or 400 panorama size plates 4 cassettes: 1600 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	X speed: 250 pph	V speed: 200 pph
Throughput in plates per hour (pph) @ 890 mm plate width, 1270 dpi	Z speed: 140 pph	X speed: 111 pph	V speed: 93 pph
Repeatability	+/- 10 microns (0.4 mil) between two plates imaged by the same <b>Generation News Platesetter</b>		
Accuracy	+/- 40 microns (1.6 mil) between two plates imaged by different <b>Generation News Platesetters</b>		
Workflow connectivity	Optimal connection via <b>Kodak NewsManager</b> and <b>Prinerger Evo</b> Workflow Systems. TIFF downloader software connects to most third-party workflow systems.		

## Imaging specifications

Resolution	4 resolutions: 1200 or 1270 dpi standard, 2400 or 2540 dpi optional for V-speed only (not applicable for X- and Z-speed models)
Screening technology	AM Screening and <b>Kodak Staccato</b> Screening
Screening capability (dependent on media qualification)	AM screening: up to 200 lpi FM screening: 25-micron <b>Staccato</b> Screening and up
Image area	Same as plate size, minus leading edge and trailing edge gripper margins of 5 mm each

## Media specifications

Media type	Thermal IR-sensitive aluminum plates, 830 nm Recommended: <b>Kodak ThermalNews Gold</b> Digital Plates For other qualified plates, contact your Kodak representative.
Plate sizes: Min. to max. around drum circumference	432 mm - 660 mm
Min. to max along drum axis	Single wide (broadsheet): 290 mm - 432 mm Double wide (panorama): 451 mm - 960 mm Optional: 1050 mm maximum plate size
Plate thickness	0.2 mm - 0.3 mm

## Plateline equipment

Plate processor	Recommended: <b>Kodak Mercury P-HD</b> 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 cm x 185 cm x 322.5 cm
Weight	1,700 kg (3,748 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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