

KODAK GENERATION NEWS PLATESETTER



**KODAK
SQUARESPOT**
IMAGING
TECHNOLOGY



Fast, highly-automated thermal plate making

Full automation for productivity and flexibility

Advanced automation saves time and minimizes the risk of errors. Four plate cassettes are standard, enabling fast plate loading and unloading of up to 1,600 broadsheet or 800 panorama plates. As an 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, and 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 or stacker with no operator involvement.

Quality, stability, and repeatability plus high-speed imaging

With imaging speeds up to 300 plates per hour, the GENERATION NEWS Platesetter is the fastest thermal platesetter designed for newspapers. Thermal imaging provides stability and consistency, which enables 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 that can lead to costly remakes and poor or variable quality. You can achieve the higher resolutions needed to offer value-added services, such as high-quality color advertising, and print with more detail and vibrancy while saving on makeready time, materials and ink.

Open workflow compatibility

The platesetter can easily interface with third-party workflow systems, allowing seamless integration into existing environments. It provides job and device status information in an easy-to-integrate and customizable XML format, saving time and eliminating the need for special modifications.

Reduce environmental impact with process free plates

GENERATION NEWS Platesetters are fully compatible with KODAK SONORA NEWS Process Free Plates, enabling you to completely eliminate processing, including the water, chemistry, energy and waste associated with processed plates. As the only imaging technology platform that enables process free plate making, thermal platesetters such as the GENERATION NEWS Platesetter are an excellent investment for the future.



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 between two plates imaged by the same GENERATION NEWS Platesetter
Accuracy	40 microns between two plates imaged by different GENERATION NEWS Platesetters
Workflow connectivity	TIFF downloader software connects to most third-party workflow systems. XPO TDL, TPDI 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 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, THERMALNEWS SP, THERMALNEWS Gold 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, Min. to max along drum axis	460 - 660 mm Single wide (broadsheet): 275 - 450 mm Double wide (panorama): 450.1 - 985 mm
Plate thickness	0.2 mm - 0.3 mm
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.
Physical characteristics (platesetter)	
Size (H x W x D)	183.5 x 185 x 322.5 cm
Weight	1,950 kg

¹ Standard plate picker supports a matching broadsheet/panorama plate size combo; additional formats will require the Multi Plate Format Support Option.

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

