



High-productivity  
thermal platesetter for  
newspaper printing

**Kodak**  
**Trendsetter NEWS**  
thermal platesetter



## High-productivity thermal platesetter for newspaper printing

**Kodak Trendsetter** NEWS thermal platesetters bring the quality, speed, and consistency of thermal imaging to newspaper printing. They feature models with both semi-automatic and automatic plate loading and unloading, and a standard file-format interface that connects easily to most newspaper production systems. **Trendsetter** NEWS thermal platesetters provide consistent quality without frequent calibration. With a **Trendsetter** NEWS platesetter, newspaper printing operations of all sizes can reduce costs, streamline production, and add valuable production flexibility.

### SQUAREspot thermal imaging technology adds flexibility and value

**Kodak SQUAREspot** thermal imaging technology produces plates of a quality that is unique among high-speed CTP newspaper systems. **SQUAREspot** technology delivers consistent dot accuracy and provides the tonal stability for repeatable AM screens. This provides higher screen rules, sharper linework, excellent reverse type and legibility, and minimizes early dot wear. **SQUAREspot** imaging technology also improves contone quality. **Kodak Staccato** screening enables vibrant, high-quality images that resist tone shift and haloling due to misregistration.

A **Trendsetter** NEWS platesetter with **SQUAREspot** imaging technology can help increase profits by giving you the flexibility to produce plates for cold-set and heat-set inserts, in addition to newspaper printing.

### Auto-loading reduces labor; intelligent plate handling adds flexibility

With the **Trendsetter** NEWS automatic platesetter, plate loading and unloading is fully automated. Switching to a double-wide plate is easy—simply reload the machine with a new plate size and the **Trendsetter** NEWS device will process the new size automatically. The semi-automatic model is also available for an easy transition to CTP.

### Open connectivity to workflows

**Trendsetter** NEWS platesetters are designed to fit easily into your prepress environment, and further automation is available with Kodak's end-to-end PDF workflow. **Prinerger** Evo TIFF downloader software accepts the standard TIFF files produced by most workflow systems. It allows you to shift, crop, rotate, and mirror the data, and displays job and queue status.



### Highlights:

- Reduce process variation with accurate, consistent platemaking
- Save production time by eliminating film and film-related processes
- Reach target color densities faster with consistent imaging
- Print cold-set inserts with high-quality **SQUAREspot** imaging technology
- Register plates from different **Trendsetter** NEWS devices on press, extending closing times

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# Kodak Trendsetter NEWS Thermal Platesetter

## Imaging Specifications

Resolutions	40 dpmm (1,016 dpi), 47 dpmm (1,200 dpi), 50 dpmm (1,270 dpi) C model: 94 dpmm (2,400 dpi), 100 dpmm (2,540 dpi)
Screening technology	AM screening <b>Staccato</b> screening
Maximum screening (dependent on media qualification)	80 lcm (200 lpi) max. linescreen C model: 160 lcm (450 lpi)
Maximum image area	Standard: 686 mm x 960 mm (27 x 37.8 in.) Wide option: 686 mm x 1118 mm (27 x 44 in.) Full option: 824 mm x 1118 mm (32.4 x 44.0 in.)

## Media Specifications

Media type	Thermal IR-sensitive aluminum plates, 830 nm Some plate types may restrict the operating environment range
Plate sizes	Min. to max. around drum circumference 432 to 700 mm (17 to 27.5 in.) Optional: 838 mm (33 in.) maximum plate size Min. to max. along drum axis Single wide: 290 to 450 mm (11.4 to 17.7 in.) Double wide: 451 to 960 mm (17.8 to 37.8 in.) Optional: 1118 mm (44 in.) maximum plate size
Plate thickness	0.2 to 0.3 mm (8 to 12 mil.)

## Physical Specifications

Operating environment	
Temperature	17 to 30°C (63 to 86°F)
Humidity	20 to 70% relative humidity (non-condensing)
Electrical requirements	
Voltage and current	200 to 240 V AC 50/60 Hz, 15 A min.
Power	1.0 KW nominal
Compressed air	
Pressure	690 kPa (100 psi) min.
Volume	370 SLPM (13 SCFM) at 620-830 kPa (90-120 psi)
Standards conformance	The <b>Trendsetter</b> NEWS platesetter is a class 1 laser product and fully complies with EN 60825-1 and US federal regulations, 21 CFR 1040.10 - CDRH

## Physical Characteristics

Semi-automatic	
Size (HxWxD)	1600 x 2830 x 1070 mm (63 x 111.4 x 42 in.)
Weight	544 kg (1200 lb.)
Automatic with Autoloader	
Size(HxWxD)	2,110 x 2,830 x 1,834 mm (83 x 111.4 x 72.2 in.) Height of output table: 910 to 985 mm (36 to 39 in.)
Weight	680 kg (1500 lb.)

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## General Specifications

	SA <sup>1</sup>	50	50C	70	70C	100	100C	150	200	200C
Technology	830 nm laser thermal imaging, external drum									
Loading/ unloading	Semi-automatic loading and unloading	Automated loading and unloading								
Autoloader capacity <sup>2</sup> 0.2 mm (8 mil.) plates	n/a	250 single wide 125 double wide								
0.25 mm (10 mil.) plates	n/a	200 single wide 100 double wide								
0.3 mm (12 mil.) plates	n/a	166 single wide 83 double wide								

## Performance

Throughput <sup>3</sup> (pph) @ plate width:										
320 mm (12.5 in.)	67	60	60	80	80	110	100	150	240	163
890 mm (35 in.)	35	26	26	42	42	60	45	70	103	68
Repeatability	±10 microns between two plates imaged by the same <b>Trendsetter</b> NEWS device (at largest plate size)									
Accuracy	±40 microns between plates from different <b>Trendsetter</b> NEWS devices (largest plate size)									
Workflow connectivity	Optimal connection via <b>Kodak</b> NewsManager and <b>Priner</b> gry Evo workflow systems <b>Priner</b> gry Evo TIFF downloader software connects to most third-party workflow systems									

- 1 Semi-automatic model
- 2 Increased capacities and dual bay available with optional preloader
- 3 Productivity may be reduced by job queuing delays, raster file format, raster file manipulations, plate processor transport speed, plate exposure requirements, and plate placement in load bay. For throughput of other plate widths, please consult the **Trendsetter** NEWS platesetter throughput calculator.
- 4 Maximum productivity for continuous operation with 15 seconds/cycle operator time



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Eastman Kodak Company  
343 State Street  
Rochester, NY 14650 USA

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