

Trendsetter NEWS

high-productivity thermal platesetters
for newspaper printing



Trendsetter NEWS automatic

- reduce process variation with accurate, consistent imaging
- save production time by eliminating film and film-related processes
- reach target color densities faster, with consistent imaging
- print value-added coldset inserts with high-quality SQUAREspot imaging
- register plates from different Trendsetter NEWS devices on press, extending closing times

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 plate-setter, newspaper printing operations of all sizes can reduce costs, streamline production, and add valuable production flexibility.

SQUAREspot thermal imaging adds flexibility and value

SQUAREspot® thermal imaging produces plates of a quality that is unique among high-speed CTP newspaper systems. SQUAREspot imaging 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 also improves contone quality. Staccato® screening enables vibrant, high-quality images that resist tone shift and haloing due to misregistration.

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



Trendsetter NEWS semi-automatic



Creo Inc.,
a subsidiary of Kodak

Trendsetter NEWS

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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 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 the Kodak end-to-end PDF workflow. Print Console control software accepts the standard TIFF files produced by most workflow systems. It allows you to shift, crop, rotate and mirror the data, and displays device status, job and queue status, and configuration information.

Trendsetter NEWS Specification Highlights

	SA ¹	50	50C	70	70C	100	100C	150	200	200C
General Specifications										
Technology	830 nm laser thermal imaging, external drum									
Loading/unloading	Semi-automatic loading and unloading	Automated loading and unloading								
Autoloader capacity² 0.2 mm (8 mil) plates	n/a	180 single wide, 90 double wide							240 single wide 120 double wide	
0.25 mm (10 mil) plates	n/a	150 single wide, 75 double wide							200 single wide 100 double wide	
0.3 mm (12 mil) plates	n/a	120 single wide, 60 double wide							160 single wide 80 double wide	
Performance										
Throughput³ (pph) @ plate width:										
320 mm (12.5 in)	71 ⁴	52	52	72	72	100	94	144	220	156
360 mm (14.1 in)	67 ⁴	47	47	68	68	95	88	135	212	147
640 mm (25 in)	39 ⁴	30	30	47	47	70	55	86	104	68
890 mm (35 in)	32 ⁴	23	23	37	37	55	42	68	103	68
1030 mm (40.5 in)	30 ⁴	20	20	32	32	48	37	60	90	57
Repeatability	±10 microns between two plates imaged by the same Trendsetter NEWS device (at largest plate size)									
Accuracy	±40 microns between plates from different Trendsetter NEWS devices (largest plate size)									
Workflow connectivity	Print Console 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.

⁴ Maximum productivity for continuous operation with 15 seconds/cycle operator time.

Trendsetter NEWS Specification Highlights

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), C model: 100 dpmm (2,540 dpi)
Screening technology	AM Staccato
Maximum screening (dependent on media qualification)	80 lcm (200 lpi) max. linescreen C model: 160 lcm (400 lpi)
Maximum image area	standard: 687 mm x 960 mm (27 x 37.8 in) wide option: 646 mm x 1118 mm (25.5 x 44.0 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 range Consult the plate manufacturer for recommended temperature and humidity ranges for plate operation and storage
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	180 to 240V AC 50/60 Hz, 16 A min
Power	1.0 KW nominal
Compressed air	
Pressure	690 kPa (100 psi) min
Volume	370 SLPM (13 SCFM) peak, <6 SLPM (0.5 SCFM) idle
Standards conformance	The Trendsetter NEWS 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)	1520 x 2820 x 1092 mm (60 x 111 x 43 in)
Automatic with Autoloader (HxWxD)	1,575 x 2,820 x 1,092 mm (62 x 111 x 43 in) Height of output table: 895 to 995 mm (35 to 39 in)
Semi-automatic weight	544 kg (1200 lb)
Automatic weight	680 kg (1500 lb)

Customer services and solutions

partners in success

Whatever the extent or complexity of your needs, our team of industry experts can help you get the most from your Kodak solution. Our comprehensive suite of support and optimization services help ensure the availability, reliability, and flexibility that you require every day.

Professional services provide maximum return

All production environments are unique. Our print industry experts

work closely with you to successfully implement changes in your production environment and to transfer their expertise in support of your business.

Comprehensive training for greater productivity

Unlock the full potential of your Kodak solution through our education services. To meet your training needs, we offer classroom, on-site, web-based, or self-paced training options.

Uptime support maintains production levels

Our CustomerSelect support programs help you maintain optimum performance and productivity. Our global support network includes a comprehensive Internet support portal, a network of response centers, and over 1200 geographically-dispersed service professionals. You can be sure that help is available, whenever and wherever you need it.

Let's Talk

Contact your Kodak representative to find out how Kodak solutions can improve your image quality and consistency, save time on rework, and increase customer satisfaction.

About Kodak

Graphic Communications Group (GCG)

The leading provider of graphic communications solutions worldwide, Kodak's Graphic Communications Group (GCG) offers image capture systems; professional color, copydot, and high-speed document scanning systems; inkjet printing and proofing systems; workflow and color management software; thermal imaging

devices for film, plates, and proofs; high-quality proofing media, printing plates, and recording film; on-demand color and black-and-white printing systems; data storage products; and professional services. The GCG unites the rich technological heritage of five companies: Kodak Polychrome Graphics, NexPress,

Kodak Versamark, Encad, and Creo. Creo joined the GCG in June 2005, when it became a wholly owned subsidiary of Kodak. With corporate headquarters located in Rochester, N.Y., Kodak (NYSE: EK) had sales of \$13.5 billion in 2004 and is committed to a digitally oriented growth strategy.



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