

# Trendsetter NEWS

high-productivity thermal platesetters  
for newspaper printing



Trendsetter NEWS automatic

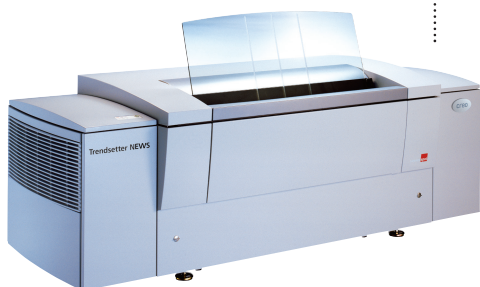
- reduce process variation with accurate, consistent imaging
- save production time by eliminating film and film-related processes
- reach target color densities faster, with consistent imaging
- print value-added coldset inserts with high-quality SQUAREspot imaging
- register plates from different Trendsetter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

# Trendsetter NEWS

high-productivity thermal platesetters for 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 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 Creo 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 <sup>1</sup>	50	50C	70	70C	100	100C	150	200	200C
<b>General Specifications</b>										
<b>Technology</b>	830 nm laser thermal imaging, external drum									
<b>Loading/unloading</b>	Semi-automatic loading and unloading	Automated loading and unloading								
<b>Autoloader capacity<sup>2</sup> 0.2 mm (8 mil) plates</b>	n/a	180 single wide, 90 double wide							240 single wide 120 double wide	
<b>0.25 mm (10 mil) plates</b>	n/a	150 single wide, 75 double wide							200 single wide 100 double wide	
<b>0.3 mm (12 mil) plates</b>	n/a	120 single wide, 60 double wide							160 single wide 80 double wide	
<b>Performance</b>										
<b>Throughput<sup>3</sup> (pph) @ plate width:</b>										
<b>320 mm (12.5 in)</b>	71 <sup>4</sup>	52	52	72	72	100	94	144	220	156
<b>360 mm (14.1 in)</b>	67 <sup>4</sup>	47	47	68	68	95	88	135	212	147
<b>640 mm (25 in)</b>	39 <sup>4</sup>	30	30	47	47	70	55	86	104	68
<b>890 mm (35 in)</b>	32 <sup>4</sup>	23	23	37	37	55	42	68	103	68
<b>1030 mm (40.5 in)</b>	30 <sup>4</sup>	20	20	32	32	48	37	60	90	57
<b>Repeatability</b>	±10 microns between two plates imaged by the same Trendsetter NEWS device (at largest plate size)									
<b>Accuracy</b>	±40 microns between plates from different Trendsetter NEWS devices (largest plate size)									
<b>Workflow connectivity</b>	Print Console software connects to most third-party workflow systems									

<sup>1</sup> Semi-automatic model

<sup>2</sup> Increased capacities and dual bay available with optional preloader

<sup>3</sup> 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.

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

# Trendsetter NEWS Specification Highlights

<b>Imaging Specifications</b>	
<b>Resolutions</b>	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)
<b>Screening technology</b>	AM Staccato
<b>Maximum screening (dependent on media qualification)</b>	80 lcm (200 lpi) max. linescreen C model: 160 lcm (400 lpi)
<b>Maximum image area</b>	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)
<b>Media Specifications</b>	
<b>Media type</b>	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
<b>Plate sizes</b>	
<b>Min. to max. around drum circumference</b>	432 to 700 mm (17 to 27.5 in) optional: 838 mm (33 in) maximum plate size
<b>Min. to max. along drum axis</b>	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
<b>Plate thickness</b>	0.2 to 0.3 mm (8 to 12 mil)
<b>Physical Specifications</b>	
<b>Operating environment</b>	
<b>Temperature</b>	17 to 30°C (63 to 86°F)
<b>Humidity</b>	20 to 70% relative humidity (non-condensing)
<b>Electrical requirements</b>	
<b>Voltage and current</b>	180 to 240V AC 50/60 Hz, 16 A min
<b>Power</b>	1.0 KW nominal
<b>Compressed air</b>	
<b>Pressure</b>	690 kPa (100 psi) min
<b>Volume</b>	370 SLPM (13 SCFM) peak, <6 SLPM (0.5 SCFM) idle
<b>Standards conformance</b>	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
<b>Physical Characteristics</b>	
<b>Semi automatic Size (HxWxD)</b>	1520 x 2820 x 1092 mm (60 x 111 x 43 in)
<b>Automatic with Autoloader (HxWxD)</b>	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)
<b>Semi-automatic weight</b>	544 kg (1200 lb)
<b>Automatic weight</b>	680 kg (1500 lb)

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

### About Creo

Creo Inc. is a global company with key strengths in imaging, software, and digital printing plate technology. As the leading provider of prepress systems, Creo helps over 25,000 customers worldwide adopt digital production methods that reduce costs,

increase print quality, and allow them to serve their customers more efficiently. Based in Vancouver, Canada, Creo reported fiscal 2004 revenue of US\$635.8 million. Creo trades on NASDAQ (CREO) and the TSX (CRE).

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