TRENDSETTER NEWS SA SPECIFICATIONS
(FOR DEVICES WITH SERIAL NUMBER NG0358 AND HIGHER)

Product description

The Kodak® Trendsetter® NEWS™ SA is a semiautomatic platesetter optimized for exposing thermal plates for newspaper printing. The NEWS SA features a SQUAREspot laser head and semiautomatic plate loading and unloading of single-wide (broadsheet) format plates or double-wide (panorama) format plates.

Features and benefits

- Dynamic autofocus
- Semi-automatic media loading and unloading
- Automatic registration
- Automatic plate clamping

Prerequisites

- Prepress or platemaking environment: 17-30ºC (63-86º F), 20-70% relative humidity, non-condensing
- Site preparation per *Trendsetter NEWS Family Site Preparation Guide* (part number 73-3363)

Available configurations

- Trendsetter NEWS SA engine only
- Trendsetter NEWS SA with a Print Console workstation for TIFF-based workflow and Copydot Toolkit software for viewing, resampling, and cropping

Components

Standard hardware:

- Plot engine
- Thermal imaging head

Documentation:

- *Trendsetter NEWS SA Visual Reference Guide* (part number 653-01288A)
- Trendsetter NEWS online help
- *Trendsetter Output Devices Safety Guide* (part number 761-00029A)

Training included: Basic on-site operator training provided with installation

Consumables included: Filters

Options

Optional hardware:

- Debris removal cabinet (requirement based on media qualification)
- Narrow format: single-wide plate down to 276 mm (10.87 in.) along-drum axis
- Wide format: image area up to 1118 mm x 700 mm (44 in. x 27.56 in.)
- Full format: image area up to 1118 mm x 838 mm (44 in. x 33 in.)

Optional training:

- Contact your Kodak representative for related course offerings.

Input

Plate size

	Standard	Wide Option	Full Option
Around-drum circumference			
Maximum	700 mm (27.56 in.)	700 mm (27.56 in.)	838 mm (33 in.)
Minimum	304 mm (12.4 in.)	304 mm (12.4 in.)	304 mm (12.4 in.)
Along-drum axis:			
Single-wide (broadsheet) plates			
Maximum	450 mm (17.7 in.)	450 mm (17.7 in.)	450 mm (17.7 in.)
Minimum	289 mm (11.375 in.)	289 mm (11.375 in.)	289 mm (11.375 in.)
Minimum (Narrow Format Option)	276 mm (10.87 in.)	276 mm (10.87 in.)	276 mm (10.87 in.)
Double-wide (panorama) plates:			
Maximum	985 mm (38.6 in.)	1118 mm (44 in.)	1118 mm (44 in.)
Minimum	451 mm (17.75 in.)	451 mm (17.75 in.)	451 mm (17.75 in.)

Plate type

Thermal IR-sensitive aluminum plates, 830 nm, qualified for Trendsetter NEWS

Note: Some plates may restrict the operating range of the platesetter system. Consult the plate manufacturer for their recommended temperature and humidity ranges for plate operations and storage.

Plate thickness

0.2 mm to 0.3 mm (0.008 in. to 0.012 in.)

Output

Non-imaged areas

6.1 mm (0.24 in.) along leading edge and 4.0 mm (0.16 in.) along trailing edge

Note: The non-imaged area along the leading edge can be reduced to 2 mm (0.08 in.) with optional modified leading edge clamps. For this option, each clamp has a 126-mm (5-in.) long cut-out area.

Resolution

1200 dpi

Maximum line screen (recommended[1])

200 lpi, 25 micron Kodak Staccato®

Specific functions

Automatic registration

- Plate edge—registered horizontally to blocks mounted on drum
- Vertical edge located with precise optical sensing

1. Media dependent. Consult your Kodak representative for qualified media capabilities.

Temperature compensation — Image size is adjusted automatically to compensate for plate thermal expansion and contraction.

Automatic clamping — Adjusts to any plate size (within the maximum and minimum allowed)

Performance

Throughput (plates per hour[2])

		Plates per hour
Single-wide (broadsheet)	320 mm (12.5 in.)	67
	340 mm (13.37 in.)	64
	360 mm (14.2 in.)	63
	400 mm (15.75 in.)	60
Double-wide (panorama), 2 pages with center gutter	640 mm (25 in.)	40
	680 mm (26.75 in.)	39
	720 mm (28.3 in.)	38
	800 mm (31.5 in.)	36
	890 mm (35 in.)	35
	960 mm (37.8 in.)	32
	1030 mm (40.5 in.)—Wide or Full option	30
	1118 mm (44 in.)—Wide or Full option	27

Repeatability — ± 10 microns (0.4 mil) between two plates imaged by the same Trendsetter NEWS output device (at the largest plate size)

Accuracy — ± 40 microns (1.6 mil) between two plates imaged by different Trendsetter NEWS output devices (at largest plate size)

Registration — ± 25 microns (1.0 mil) between image and plate edge (at largest plate size)

Environmental conditions

- 17º to 30ºC (63º to 86ºF) and 20% to 70% relative humidity, non-condensing
- Prepress or platemaking environment
- Compliance with *Trendsetter NEWS Family Site Preparation Guide* (part number 73-3363)
- Some media may restrict the operating range of the platesetter system. Consult the media manufacturer for their recommended temperature and humidity ranges for plate operations and storage.

Noise emissions — The Trendsetter NEWS SA output device has been designed, tested, and evaluated for compliance with the maximum noise emission limit

2. Maximum productivity for continuous operation with 15 seconds/cycle operator time and Kodak-qualified 130 mJ/cm^2 media sensitivity. Productivity may be reduced by job queuing delays, raster file format, raster file manipulations, plate exposure requirements, and plate placement onto registration blocks.

	permitted for a light industrial environment: 80 dB(A). Noise emissions from the platesetter will not exceed 74 dB(A) when tested in accordance with EN ISO 7779:2001, *Acoustics—Measurement of airborne noise emitted by information technology and telecommunications equipment.*
Electrical requirements	• Rated 200 to 240 VAC (+6%/–10%) single phase, 50/60 Hz, 15 A • Maximum load conditions: 5 A, 1100 W imaging; 3 A, 600 W idle
Compressed air requirements	370 liters per min at 620 to 830 kPa (13 scfm @ 90 to 120 psig)
Equipment dimensions	• Width: 2830 mm (111.4 in.) • Depth: 1070 mm (42 in.) • Height: 940 mm (37 in.) to top of housing; 1600 mm (63 in.) to top of load ramp
Equipment weight	544 kg (1200 lb)
Regulatory compliance	• ELECTRICAL/MECHANICAL: CSA 60950-1, UL 60950-1, EN 60950-1, EN 60204-1, Low Voltage Directive 73/23/EEC, Directive of Machinery 98/37/EC • LASER SAFETY: CDRH 21 CFR 1040.10, EN 60825 (Class 1 Laser Product) • EMC: FCC Part 15, (Class A), EN 55022/CISPR-22 (Class A), EN 55024, EN 61000-3-3, Directive of Electromagnetic Compatibility 2004/108/EC