TRENDSETTER NX MID SPECIFICATIONS

Product description

The Kodak® Trendsetter® NX Mid is a semiautomatic imager that uses Kodak SQUAREspot® thermal imaging technology to expose the Kodak Flexcel™ NX thermal imaging layer for flexograhic platemaking.

Features and benefits

- SQUAREspot thermal imaging head—2400 dpi
- Machine-to-machine accuracy
- Dynamic autofocus
- Semiautomatic media loading and unloading
- Automatic registration
- Automatic plate clamping

Prerequisites

- Compliance with *Trendsetter NX Narrow/Mid Site Preparation Guide* (707-00638A)
- Kodak TIFF Front End software

Components

Standard hardware:

- Plot engine
- SQUAREspot thermal imaging head—50 W, 2400 dpi
- Debris removal system with external venting
- Semiautomatic media loader

Documentation:

- *Trendsetter NX Narrow/Mid Visual Reference Guide* (653-01441)
- *Trendsetter Output Devices Safety Guide* (761-00029)

Training included: On-site operator training for one person

Consumables included: Filters

Input

Media size (maximum/minimum)

- Around-drum circumference:
  838 mm (33 in.) maximum, 270 mm (10.6 in.) minimum
- Along-drum axis:
  1143 mm (45 in.) maximum, 215 mm (8.5 in.) minimum

Media type: Flexcel NX thermal imaging layer, 830nm

Media thickness: 0.16 mm (0.006 in.)

Output

Non-imaged areas: 25 mm (1 in.) along leading edge and 25 mm (1 in.) along trailing edge

Resolution

- 2400 dpi
- Maximum recommended line screen: 450 lpi

Performance

Imaging speed[1]

- 208.3 mm (8.2 in.) per minute or 9.5 m^2 (102.3 $ft.^2$)per hour @ 2400 dpi

Throughput[1]

- 6.09 m^2 (65.55 $ft.^2$) per hour including load/unload time

1. Imaging time is dependent on media sensitivity.

Repeatability[2]	± 5 microns (± 0.2 mil) between two consecutive exposures on the same plate left on the drum (at largest plate size and at constant temperature over full temperature range)
Accuracy[2]	± 20 microns (± 0.8 mil) between two plates imaged by different Trendsetter devices (at largest plate size and over full temperature range)
Environmental conditions	• 17º to 30ºC (63º to 86ºF) and 40% to 60% relative humidity, non-condensing • Prepress or platemaking environment
Electrical requirements	• Rating: 200–240 VAC, 15 A, 50/60 Hz, (dedicated single-phase branch circuit required, 20 A for NA and 16 A for EU) • Actual current draw while imaging: 3.4 A, 0.790 kW
Noise emissions	The Trendsetter output device has been designed, tested, and evaluated for compliance with the maximum noise emission limit permitted for a light industrial environment—80 dB(A). Noise emissions from the Trendsetter output device 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.
Compressed air requirements	370 liters per minute at 620-830 kPa (13 scfm @ 90-120 psig)
Equipment dimensions	• Width 2830 mm (111.4 in.) • Depth 1070 mm (42 in.) • Height 1600 mm (63 in.)
Equipment weight	• Trendsetter imager 544 kg (1200 lb.) • Debris removal system (UDRC) 57 kg (125 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 60825-1 (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

2. Specifications for metallic media only