TRENDSETTER VLF SPECIFICATIONS

Product Description

The Trendsetter VLF is a semi-automatic, very large format platesetter that uses thermal imaging to expose plates for conventional printing.

Features and Benefits

- Thermal imaging head - 1200/2400 dpi
- S-Speed imaging
- Dynamic auto-focus
- Semi-automatic media loading and unloading
- Automatic registration
- Automatic clamping
- Electronic registration confirmation

Prerequisites

- Kodak approved workstation. Contact your Kodak representative for workstation and device connectivity options.

Product Version

- Trendsetter VLF

Available Configurations

- 4557, 5067, 5080, 5467, 5880

Components

Standard Hardware:

- Plot engine
- Thermal imaging head – 1200/2400 dpi
- Semi-automatic media loader

Standard Software:

- Not applicable

Documentation Included:

- Trendsetter VLF Operator Manual.

Training Included:

- One day on-site operator training

Consumables Included:

- Not applicable

Options

Optional Hardware:

- F and V imaging speed options

Input

Media type:

- Thermal IR-sensitive aluminum plate, 830 nm
- Consult your Kodak representative for qualified media list

Media size[1]:
- Maximum
  - 4557: 1143 mm x 1448 mm (45 in. x 57 in.)
  - 5067: 1270 mm x 1702 mm (50 in. x 67 in.)
  - 5080: 1270 mm x 2032 mm (50 in. x 80 in.)
  - 5467: 1371 mm x 1702 mm (54 in. x 67 in.)
  - 5880: 1473 mm x 2032 mm (58 in. x 80 in.)
- Minimum
  - All configurations: 508 mm x 394 mm (20 in. x 15.5 in.)

Media thickness:
- 0.15 mm to 0.40 mm (0.006 in. to 0.016 in.)
  or 0.25 mm to 0.50 mm (0.010 in. to 0.020 in.)

Output

Non-imaged areas:
- 6.1 mm (0.240 in.) along leading edge and 7.6 mm (0.300 in.) along trailing edge
- 6.9 mm (0.270 in.) along leading edge and 8.4 mm (0.330 in.) along trailing edge for 0.50 mm (0.020 in.) thick plates

Resolution:
- 2400 dpi, 1200 dpi
- Maximum recommended line screen: 200 lpi

Specific Functions

Automatic Registration:
- Media edge-registered horizontally to pins mounted on drum
- Vertical edge located with precise optical sensing

Automatic Clamping:
- Adjusts to any plate size (within the maximum and minimum allowed)

Performance

Imaging Speed[2]:
- S: 200 mm/min [7.8 in/min] @ 2400 dpi, 1200 dpi
- F: 330 mm/min [13 in/min] @ 2400 dpi, 1200 dpi
- V: 614 mm/min [24.1 in/min] @ 2400 dpi, 1200 dpi

Non-Imaging Time[3]:
- 1.5 minutes

Image Repeatability[4]:
- 8 microns [0.3 mils] between two plates imaged by the same Trendsetter device (at largest plate size)

Image Accuracy:
- Machine to machine accuracy not specified

Registration[4]:
- 25 microns (1.0 mils) between image and edge (at largest plate size)

[1] Plate dimension format: [*around drum diameter*] x [*along drum axis*]

[2] Imaging speed is dependent on media sensitivity. Consult your Kodak representative for media-specific imaging speeds.

[3] Non-imaging time does not include operator plate handling (estimated plate handling is less than 30 seconds).

[4] Specifications are for metallic media only.

Environmental Conditions	• 17^{O} to 30^{O} C (63^{O} to 86^{O} F) and 20% to 70% relative humidity, non-condensing. • Prepress or plate making environment. • Compliance with Trendsetter VLF Site Preparations and Requirements document 73-3146A. • 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.
Electrical Requirements	• Rating: 200-240 VAC, 20 Amps, 50/60Hz, single phase circuit • Actual current draw 5A, 1Kw.
Compressed Air Requirements	• 283 L/min at 620-830 kPa [10 scfm @ 90-120 psig]
Equipment Dimensions	• Width 3099 mm [122 in.] • Depth 1803 mm [71 in.] • Height 1727 mm [68 in.] (to top of load ramp) or 1143 mm [45 in.] (to top of housing)
Equipment Mass (Weight)	• 1225 kg (2700 lbs)
Regulatory Compliance	ELECTRICAL/MECHANICAL: UL 1950, CSA 950, EN 60950, EN 60204-1, amended Low Voltage Directive 73/23/EEC, Machinery Directive 98/37/EC LASER SAFETY: CDRH 21 CFR 1040.10 and 1040.11, EN 60825-1 / IEC 60825-1 Class 1 Laser Product EMC: FCC Part 15 - Class A, EN 55022 / CISPR - 22 - Class A, EN 50082-2, EN 61000-3-3, Class A ITE (Japan, V CCI certification), AS/NZS 3548, EMC Directive 89/366/EEC