KODAK REMANUFACTURED SOLUTIONS
TRENDSETTER 400 II QUANTUM SPECIFICATIONS

Product description

The Kodak® Remanufactured Solutions (KRS) Trendsetter® 400 II Quantum is a semiautomatic platesetter that uses Kodak SQUAREspot® thermal imaging technology to expose plates for conventional and waterless printing. The KRS Trendsetter 400 II Quantum can be equipped with Trendsetter Spectrum® digital halftone proofing, or Autoloader options.

Features and benefits

- SQUAREspot thermal imaging head—2400 dpi
- Temperature compensation
- Machine-to-machine accuracy
- Multiple imaging speed options available
- Dynamic auto-focus
- Semiautomatic media loading and unloading
- Automatic registration
- Automatic plate clamping
- Kodak Staccato® FM screening included with Kodak Brisque®, Kodak Prinergy,® and Kodak Prinergy Evo™ workflows

Prerequisites

- Compliance with *Trendsetter 400/800 II Site Preparation Guide* (707-00303)
- Kodak-approved workstation (contact sales representative for workstation options)
- Kodak Brisque, Kodak Prinergy, Kodak Prinergy Evo workflow system, or approved third-party workflow capable of supplying 1-bit TIFF files
- Processing line and other system peripherals must be of adequate performance in order to achieve full throughput. Consult with appropriate vendors to ensure sufficient performance can be achieved.

Components

Standard hardware:

- Plot engine
- SQUAREspot thermal imaging head—40 W, 2400 dpi
- Standard V-speed imaging
- Debris removal system
- Semiautomatic media loader

Standard software: Staccato 20 Series Screen Sets

Documentation:

- *Trendsetter 400/800 II Operator Guide* (653-00119)
- *Trendsetter 400/800 II Visual Quick Reference Guide* (653-00827)

Training included: On-site operator training for one person

Consumables included: Filters

Options

Optional hardware:

- Autoloader (see Autoloader specifications for details)
- Spectrum Halftone Proofing (see Spectrum specifications for details)

Optional software:	• Staccato 10 Series Screen sets available as an option with Brisque, Prinergy, and Prinergy Evo workflows • Variable Mainscan Resolution (see VMR specifications for details)
Input	
Media size (maximum/ minimum)	• Around-drum circumference: 838 mm (33 in.) maximum[1], 270 mm (10.6 in.) minimum • Along-drum axis: 762 mm (30 in.) maximum[1], 229 mm (9 in.) minimum
Media type	• Thermal IR-sensitive aluminum plate and film, 830 nm • See the individual media specifications for a list of qualified media.
Media thickness	0.15 mm to 0.40 mm (0.006 in. to 0.016 in.) for plates
Output	
Non-imaged areas	6.1 mm (0.24 in.) along leading edge and 7.6 mm (0.30 in.) along trailing edge
Resolution	• 2400 or 1200 dpi • Maximum recommended line screen: 450 lpi • Staccato screen sets[2]: Staccato 20 Series included; Staccato 10 Series option available
Specific functions	
Automatic registration:	• Media edge—registered horizontally to pins mounted on drum • Vertical edge located with precise optical sensing • 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	
Imaging speed	• V-speed (standard): 850 mm per min. (33.5 in. per min.) @ 2400 dpi
Throughput[3]	• V-speed: 37 plates per hour (43 with Autoloader option)
Repeatability[4]	± 5 microns (± 0.2 mil) between two consecutive exposures on the same plate (at largest plate size and over full temperature range)
Accuracy[4]	± 20 microns (± 0.8 mil) between two plates imaged by different Trendsetters (at largest plate size and over full temperature range)

1. For portrait-mounted media. For landscape-mounted media, the maximum media size is 762 mm (30 in.) around-drum circumference and 838 mm (33 in.) along-drum axis.
2. Support for Staccato is limited to qualified plates; consult your Kodak representative for the current qualification list.
3. Imaging time is based on 724-mm (28.5-in.) plate with a media sensitivity of 120 mJ per cm^2. Imaging time is dependent on media sensitivity.
4. Specifications for metallic media only

Registration[4]	± 25 microns (± 1.0 mil) between image and plate edge (at largest plate size and over full temperature range)
Environmental conditions	• 17º to 30ºC (63º to 86ºF) and 20% to 70% relative humidity, non-condensing • Prepress or platemaking environment • 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.
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 an office environment—70 dB(A). Noise emissions from the Trendsetter output device will not exceed 69dB(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 min. 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* platesetter 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