MAGNUS XLF 80 SPECIFICATIONS

Specifications subject to change, please consult a Kodak representative.

Product Description

- The robust, highly productive Kodak® Magnus™ XLF 80 Platesetter Semi-Automatic (SA) offers semi-automatic operation, stability, easy maintenance, and superior imaging quality.

Features and Benefits

- 830 nm thermal imaging head with dynamic autofocus
- Semi-automatic plate loading and unloading
- Processor in-feed table adjusts and effectively allows plates to be fed into the processor
- Cross flow plate transfer table for easy plate loading when plates are presented at the table height
- Automatic plate registration with electronic confirmation
- Automatic plate clamping
- Status indicator lights
- Connectivity for remote service access
- Three-point plate registration

Prerequisites

- Device connectivity kit for a qualified Kodak workflow including Kodak Prinergy® or Kodak Prinergy Evo workflows.

Available Configurations

- 2260 mm x 1290 mm (89 in. x 51 in.) engine size
- 2400 dpi

Components

Standard Hardware:

- External drum imaging engine
- V-speed thermal imaging
- Internal debris collection

Quantum Feature Set:

- Includes:
- SQUAREspot® thermal imaging head
- 17.7 lines/mm (450 lines/inch) maximum resolutionStaccato 20 series screen sets
- Machine-to-machine accuracy over the complete temperature range of any two Quantum devices
  Note that the XLF 80 registration points are different from Magnus VLF devices

Training Included:

- One day of on-site operator training

Performance

Plate Throughput[1]:

Plate along-press cylinder dimension x around-press cylinder dimension	940 × 572 mm (37 × 22.5 in.)	1448 × 572 mm (57 × 22.5 in.)	1030 × 800 mm (40.5 × 31.5 in.)	1524 × 1143 mm (60 × 45 in.)	2260 × 1240 mm (89 × 48.8 in.)
Magnus XLF 80 with Kodak DITP Gold	26.8	21.5	25.5	20.5	15.0
Magnus XLF 80 with Kodak Electra Excel	22.3	17.0	21.0	16.0	12.0

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Non-imaged areas:	• 6.1 mm-wide (0.240 in.) strip along leading edge and a 7.6 mm-wide (0.300 in.) strip along the trailing edge
Image Repeatability:	• 20 microns (0.6 mils) between two plates imaged by the same device at the same temperature
Image Repeatability (with Quantum Feature Set):	• 15 microns (0.6 mils) between two plates imaged by the same device over the complete device temperature range
Image Accuracy (with Quantum Feature Set):	• 45 microns (1.4 mils) between two plates imaged by different devices over the complete device temperature range
Registration:	• 30 microns (1.0 mils) between image and edge at registration points

Media

Media type[2]:	• Kodak Electra Excel plates or Kodak DITP Gold plates
Media thickness:	• 0.30 mm to 0.38 mm (0.012 in. to 0.015 in.)
Supported media sizes:	• Single-loaded plates

Engine	Around-drum diameter dimension Plate size range mm (in.)	Along-drum diameter dimension Plate size range mm (in.)
XLF 80	500–1296 (19.7–51)	800–2260 (31.5–89)

Environmental Conditions [3,]	• 17°C to 30°C (63°F to 86°F) and 20% to 60% relative humidity, non-condensing • Compliance with Magnus XLF 80 Site Preparation Guide (719-00949A)
Electrical Requirements	• Three circuits at 200–240 VAC, 30 A, 50 or 60 Hz, single phase • Less than 35 A typical total operating current
Compressed Air Requirements	• 8 m^3/hr (5 scfm) typical operating flow • 17 m^3/hr (10 scfm) peak flow • 620 kPa (90 psig) minimum supply pressure
Equipment Dimensions	• Width: 3425 mm (135.0 in.) • Depth: 2300 mm (90.6 in.) • Height: table 830 mm (32.2 in.), top of hood 1195 mm (47.0 in.) • External vacuum pump enclosure: 670 mm wide x 1435 mm deep x 510 mm high (26.4 in. x 56.5 in. x 20 in.).
Equipment Mass (Weight)	• t.b.d.

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Regulatory Compliance

- ELECTRICAL/MECHANICAL: UL 60950-1, CSA 60950-1, EN 60950-1, EN60204-1, 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 55011 / CISPR 11 - Class A, EN 61000-6-2, AS/NZS CISPR11, EMC Directive 89/366/EEC.

[1] Device throughput depends on media sensitivity and qualified screening. Throughputs are shown for Kodak Thermal Gold and Kodak DITP Gold media imaging at 2400 dpi. Processing line, workstation, and other system peripherals must be of adequate performance in order to achieve full throughput.

[2] Magnus XLF 80 qualified plates only. See your Kodak representative for specific media information.

[3] Some media/processing requirements may further restrict the required room environmental conditions. Consult the plate manufacturer for their recommended temperature and humidity ranges for plate operations and storage.