Kodak
Magnus XLF 80 Quantum
Platesetter

Reliable imaging for your largest plates

The **Kodak Magnus** XLF 80 **Quantum** Platesetter is the latest extension of the popular **Kodak Magnus** VLF Platesetter line, providing the same excellent reliability and imaging quality in an extra large format size. The **Magnus** XLF 80 Platesetter can image plates up to 2.26 meters (89 inches) wide, meeting the needs of the largest web presses. The extra large format size enables printers to use the widest web presses for the most efficient print production, while still producing plates for existing press formats.

Built-in stability, accuracy, and reliability

Like the **Kodak Magnus** VLF **Quantum** Platesetter, the **Magnus** XLF 80 **Quantum** Platesetter uses **Kodak SQUAREspot** Imaging Technology, enabling you to reproduce images with stability, accuracy, and reliability.

SQUAREspot Technology delivers imaging integrity from original file to press, in spite of the process variations inherent in the printing process. Also, the XLF 80 Platesetter provides precise registration of plates by automatically correcting for temperature-related plate expansion. The unmatched consistency and registration accuracy of plates imaged on **SQUAREspot** Systems result in faster color and registration setup on press, for the most efficient press operation.

Complete solution for large formats

Kodak provides you with a complete prepress solution for extra large format plates. The **Magnus** XLF 80 Platesetter works optimally with the new **Kodak Electra** XD Thermal Plate and Kodak's other high-quality thermal plates, **Kodak** Workflow Systems, and **Kodak** Plate Processors.

The **Magnus** XLF 80 Platesetter features a static load/unload table, and advanced electronic three-point registration enables accurate imaging.

Dependable service

The **Magnus** XLF 80 Platesetter is backed by **Kodak** Service and Support. **Kodak** Service and Support is made up of more than 3,000 professionals reaching more than 120 countries. It is a leading multi-vendor integrated services provider, delivering consulting, installation, maintenance and support services for the commercial printing industry. **Kodak** Service and Support professionals are uniquely qualified to provide services that control costs, maximise productivity, and minimise business risk.

Kodak Magnus XLF 80 Quantum Platesetter

General specifications

Technology	830 nm laser thermal imaging, semi-automatic, external drum
Loading/unloading	Semi-automatic: Utilizing static load/unload table, plates are electronically 3-point registered to the imaging engine.

Performance specifications

Throughput in plates per hour (pph) @ plate size: (along press cylinder dimension x around press cylinder dimension)	Kodak DITP Gold Thermal Plates	Kodak Electra XD Thermal Plates
940 x 572 mm (37 x 22.5 in.)	26.8 pph	22.3 pph
1448 x 572 mm (57 x 22.5 in.)	21.5 pph	17.0 pph
1030 x 800 mm (40.5 x 31.5 in.)	25.5 pph	21.0 pph
1524 x 1143 mm (60 x 45 in.)	20.5 pph	16.0 pph
2260 x 1240 mm (89 x 48.8 in.)	15.0 pph	12.0 pph
Repeatability	+/- 15 microns (0.6 mil) between two plates imaged by the same Magnus XLF 80 Quantum Platesetter	
Accuracy	+/- 45 microns (1.4 mil) between two plates imaged by different Magnus XLF 80 Quantum Platesetters	
Workflow connectivity	Kodak Prinergy Workflow System Kodak Prinergy Evo Workflow System Connection to third-party workflow systems (via 1-bit TIFF Kodak Prinergy Evo Workflow)	

Imaging specifications

Resolution	2,400 dpi
Screening technology	AM Screening and Kodak Staccato Screening
Screening capability (dependent on media qualification)	AM Screening: up to 17.7 lines/mm (450 lines/in.) FM Screening: 20-micron Staccato Screening
Image area	Same as plate size minus leading edge margin of 6.1 mm (0.24 in.) and trailing edge gripper margin of 7.6 mm (0.30 in.)

Media specifications

Media type	830 nm thermal IR-sensitive aluminium plates Recommended: Kodak DITP Gold or Electra XD Thermal Plates For other qualified plates, contact your Kodak representative.

Plate sizes:
    Min. to max. around drum circumference
    Min. to max along drum axis
	500 to 1296 mm (19.7 to 51 in.)
	800 to 2260 mm (31.5 to 89 in.)

Plate thickness	0.3 to 0.38 mm (0.012 to 0.015 in.)

Physical characteristics (platesetter)

Size (H x W x D)	119.5 cm x 342.5 cm x 230 cm (47.0 in x 135.0 in. x 90.6 in.)
Weight	1900 kg (4180 lbs.)

The platesetter is a Class 1 Laser Product and fully complies with EN60825-1 and US Federal Regulations 21 CFR 1040.10 - CDRH.

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