

Kodak Magnus VLF Platesetter



Speed, automation, consistency, and reliability

The **Kodak Magnus** VLF Platesetter is the fastest fully automated VLF platesetter on the market. It offers several options, including the integrated punch with accurate three-point registration. This feature enhances automation, helps eliminate costly errors, and is fully configurable to match a wide variety of press requirements. For increased flexibility, the device also features configurable registration points.

Further productivity gains can be achieved with the dual-plate option, which allows the loading of two plates concurrently, and the Side Edge Registration option, which enables plates loaded in portrait orientation to be registered on the long edge.

The ContinuousLoad option reduces operator time and increases imaging efficiency by allowing two-plate queuing and automatic plate eject to an online processor. The Multi-Cassette Unit option allows the **Magnus** VLF Platesetter to operate with four cassettes of up to 75 plates per cassette. Slip sheet removal is automatic.

With its large drum (1,600 x 2,108 mm, 63 x 83 in.) the **Magnus** VLF Platesetter is capable of imaging plates for the newest VLF presses. The linear design uses floor space efficiently and debris collection is integrated in the machine.

Magnus VLF Quantum Platesetter

The **Magnus** VLF **Quantum** Platesetter features all **Magnus** VLF Platesetter benefits, plus advanced **Kodak SQUAREspot** Thermal Imaging Technology. **SQUAREspot** Technology delivers end-to-end imaging integrity, from original file to press, despite variables such as laser power, plate-emulsion sensitivity, and processor variation. The **Quantum** Platesetter provides precise registration of all plates by automatically correcting for temperature-related plate expansion and differences between **Quantum** Devices.



Kodak Magnus VLF Platesetter

Model Number	4570	5183	5570	6383
Automation options	<ul style="list-style-type: none"> • Semi-automatic: Utilizing static load/unload table, plates are electronically 3-point registered to the imaging engine. • ContinuousLoad: While one plate is being imaged, the second plate is placed in standby and loads automatically after the plate on the drum unloads to an online processor. • Multi-Cassette Unit: Holds up to 300 plates in four cassettes, each with up to 75 plates with slip sheets. The required cassette is automatically selected according to the job definition. Empty cassettes can be reloaded while the platesetter is running. 			

Performance for Kodak Thermal Gold Digital Plates and Kodak DITP Gold Thermal Plates*

1030 mm (40.5 in.) plates				
S-speed	12.6 plates per hour (pph)	13.7 pph (dual plate)	12.6 pph	13.7 pph (dual plate)
F-speed	20.6 pph	23.8 pph (dual plate)	20.6 pph	23.8 pph (dual plate)
V-speed	28.8 pph	35.6 pph (dual plate)	26 pph	31.5 pph (dual plate)
X-speed	38.9 pph	48 pph (dual plate)	36.4 pph	47.9 pph (dual plate)
1524 mm (60 in.) plates				
S-speed		9.2 pph		9.2 pph
F-speed		15.7 pph		15.7 pph
V-speed		23.3 pph		20.6 pph
X-speed		33.8 pph		31 pph
2070 mm (81.5 in.) plates				
S-speed	n/a	7 pph (dual plate)	n/a	7 pph (dual plate)
F-speed	n/a	12.5 pph (dual plate)	n/a	12.5 pph (dual plate)
V-speed	n/a	19.2 pph (dual plate)	n/a	16.7 pph (dual plate)
X-speed	n/a	29.5 pph (dual plate)	n/a	26.6 pph (dual plate)
Repeatability	15 microns (0.6 mil.) between two plates imaged by the same device (at largest plate size and over full temperature range)			
Accuracy	35 microns (1.4 mil.) between two plates imaged by different devices (at largest plate size and over full temperature range)			
Registration	25 microns (1.0 mil.) between image and edge (at largest plate size and over full temperature range)			
Imaging specifications	Magnus VLF Platesetter: 7.8 lines/mm (200 lines/in.) maximum resolution and 25-micron Kodak Staccato Screening Magnus VLF Quantum Platesetter: SQUARESPOT Technology, 17.7 lines/mm (450 lines/in.) maximum resolution and 20-micron Staccato Screening (10-micron Staccato Screening optional)**			
Resolution	S-speed: 96 dpmm (2,400 dpi) or 100 dpmm (2,540 dpi) F-speed: 96 dpmm (2,400 dpi) or 100 dpmm (2,540 dpi) V-speed: 47.2 dpmm (1,200 dpi), 96 dpmm (2,400 dpi), or 100 dpmm (2,540 dpi) X-speed: 96 dpmm (2,400 dpi)			
Media Specifications				
Media type	830 nm thermal IR-sensitive aluminum plate			
Plate sizes				
Minimum to maximum, around drum x along drum	483 x 394 mm (19 x 15.5 in.) to 1143 x 1778 mm (45 x 70 in.)	483 x 394 mm (19 x 15.5 in.) to 1296 x 2083 mm (51 x 82 in.)	483 x 394 mm (19 x 15.5 in.) to 1397 x 1778 mm (55 x 70 in.)	483 x 394 mm (19 x 15.5 in.) to 1600 x 2083 mm (63 x 82 in.)
Plate thickness	Semi-automatic: 0.15 to 0.4 mm (0.006 to 0.016 in.) ContinuousLoad/Multi-Cassette Unit: 0.2 to 0.4 mm (0.008 to 0.016 in.)			

* Productivity is dependant on media sensitivity and may be lower for resolutions finer than 200 lpi and 25-micron **Staccato** Screening. For throughput and screening regarding your specific configuration, please consult your Kodak representative.

** Support for 10-micron **Staccato** Screening is limited to qualified plates. Please consult your Kodak representative for a current qualification list.

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