

VLF

ENHANCED
AUTOMATION
FOR LARGER PLATE
FORMATS

Fast imaging and the ability to choose your preferred size and speed

Featuring Kodak SQUAREspot Imaging Technology, Magnus Platemakers are some of the fastest fully-automated VLF Platemakers in the market. The Magnus VLF Platemaker is available in two sizes. The Q3600 Platemaker can image plates up to 1,600 x 2,083 mm, and the Q2400 Platemaker can image plates up to 1,422 x 1,804 mm. Speed options such as the dual plate loading option allow you to choose the number of plates per hour your device will produce.

Multiple automation options for productivity gains

Increasing the amount of time your platemaker runs unattended can provide big gains in efficiency and productivity in prepress. Less time is wasted loading plates, the platemaker is not idle awaiting attention, and operators can concentrate on other tasks. The ContinuousLoad for the Magnus VLF Platemaker allows two-plate queuing and automatic plate eject to an online processor. The Multi-Cassette Unit (MCU) option allows the Magnus VLF Platemaker to operate with four cassettes of up to 75 plates per cassette, for a maximum of 300 plates, with automatic slip sheet removal. You are able to operate continuously for longer, and the chance for errors due to manual plate loading is reduced.

The Automatic Pallet Loader (APL) option enables easy and efficient bulk loading. Simply load between one and six pallets with up to 600 plates each, for a maximum of 3,600 plates online. The APL does the rest, automatically selecting the correct size plate based on the job, removing slip sheets and loading plates with no operator intervention. The result is faster plate loading, reduced manual handling, and extremely long unattended operation.

Integrated punch enhances automation

The Magnus VLF Platemaker features a fully integrated punch option with accurate three-point registration, helping eliminate costly errors. The punch option is available with ContinuousLoad, MCU, or APL automation options, and is fully configurable to match a wide variety of press requirements. The integrated punch automatically corrects for temperature-related plate expansion difference between platemakers for precise registration of plates.

Accurate and stable imaging

Kodak SQUAREspot Imaging Technology, standard in every Magnus VLF Platemaker, delivers dependable accuracy regardless of plate emulsion sensitivity, processor variation, and laser power. Thermal compensation technology enables accurate and consistent imaging from plate to plate and machine to machine. This stability not only enables you to reduce costs through fewer remakes and less time adjusting for variables, it allows you to differentiate and grow your business through high-resolution printing. The Kodak Magnus VLF Platemaker, combined with optional Kodak Staccato Screening and Kodak Digital Plates, delivers stunning photorealistic results that you have to see to believe.

Temperature compensation system enhances accuracy

To improve fit and register on press, a unique temperature compensation system adjusts for changes in ambient temperature and corrects for plate expansion and contraction. This system also reduces the number of wasted plates.

Complete solution from Kodak

Kodak is the one vendor that can offer you a complete and truly unified solution, including CTP device, plates, platemaking equipment, and workflow. With over 20,000 thermal CTP shipments including over 2000 VLF size CTP's, plate manufacturing locations throughout the world, and a highly skilled and responsive support network, Kodak is an ideal partner for your VLF plate making needs.

Kodak Magnus VLF Platesetter

General specifications

Technology	830 nm thermal imaging platesetter, fully or semi-automatic, external drum
Automation Options	<ul style="list-style-type: none"> • ContinuousLoad (standard): 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 (MCU): 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. • Automatic Pallet Loader (APL): Loads plates directly from shipping pallets into the Magnus VLF Platesetter. Capable of holding between one and six pallets of up to 600 plates each for very high capacity and no operator handling of plates.
Integrated punch	<ul style="list-style-type: none"> • Up to 10 customized punch heads. Select from a list of punches qualified for Magnus VLF Platesetter. • Optional automatic punching is operated according to press profile selected from the Kodak Workflow. • Punch is available on the leading edge of the plate only.

Performance specifications

	Q2400 Platesetter	Q3600 Platesetter
Throughput at 2400 dpi ^{1,2} for plate size 1,030 x 800 mm	<ul style="list-style-type: none"> • Standard: F speed = 20.5 plates per hour • Optional: X speed = 32.6 plates per hour • Optional: Z speed = 48.0 plates per hour with CL/MCU 	
Throughput at 2400 dpi ^{1,2} for plate size 1,804 x 1,422 mm	F speed = 13.8 plates per hour X speed = 18.2 plate per hour Z speed = 30.1 plates per hour	
Throughput at 2400 dpi ^{1,2} for plate size 2,083 x 1,600 mm	N/A	F speed = 12.3 plates per hour X speed = 16.4 plates per hour Z speed = 27.6 plates per hour
Repeatability ³	± 8 microns between two consecutive exposures on the same plate left on the drum	
Accuracy ³	± 35 microns accuracy of image size and shape	
Registration ³	± 25 microns between image and plate edge at registration points	
Workflow connectivity	Prinergy TIFF Downloader (included) connects to most third-party workflow systems. Kodak Prinergy Workflow and connection to third-party workflow systems.	

Imaging specifications

	Q2400 Platesetter	Q3600 Platesetter
Resolution	<ul style="list-style-type: none"> • Standard: 2400/1200 dpi • Optional: 2540/1270 dpi 	
Screening	<ul style="list-style-type: none"> • 450 lpi max line screen • Optional: 25-, or 20-micron* Kodak Staccato Screening 	
Max. plate size: around x along drum ⁴	1,422 x 1,804 mm	1,600 x 2,083 mm
Min. plate size: around x along drum ⁴	<ul style="list-style-type: none"> • Standard / MCU: 483 x 394 mm • APL: 483 x 483mm 	<ul style="list-style-type: none"> • Standard / MCU: 483 x 394 mm • APL: 483 x 483mm
Max. image area: around x along drum ⁴	1,408 x 1,804 mm	1,586 x 2,083 mm

Physical characteristics

Size (H x W x D)	<ul style="list-style-type: none"> • Magnus VLF: 1550 mm x 4055 mm x 2590 mm • Magnus VLF MCU: 1550 mm x 7116 mm x 2850 mm • Magnus VLF APL with 1/2/3 segments: 1550 mm x 8191 mm/10813 mm/13435 mm x 3904 mm
Weight	<ul style="list-style-type: none"> • Magnus VLF: 2135 kg • Magnus VLF MCU: 4064 kg • Magnus VLF APL with 1/2/3 segments: 4270 kg/4970 kg/5670 kg

Produced using **Kodak** Technology.

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¹ Imaging time is dependent on media sensitivity and screening type. Throughput shown for **Kodak Trillian** SP plates.

² Tested with **Kodak Workflow**.

³ Specifications pertain to performance at largest plate size, over full temperature range.

⁴ Standard plate gauge is 0.2 to 0.4 mm (0.008 to 0.016 in.)

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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