KODAK MAGNUS
VLF PLATESETTER

KODAK
SQUARESPOT
IMAGING
TECHNOLOGY

Fast, automated, high-quality imaging for very large plate formats

Plate making that fits your business
Featuring KODAK SQUARESPOT Imaging Technology, MAGNUS Platesetters are some of the fastest fully-automated VLF Platesetters in the market. The MAGNUS VLF Platesetter is available in two sizes. The Q3600 Platesetter can image plates up to 1,600 x 2,083 mm, and the Q2400 Platesetter 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
Increasing the amount of time your platesetter runs unattended can provide big gains in efficiency and productivity in prepress. ContinuousLoad allows semi-automatic loading with two-plate queuing and automatic plate eject to an online processor or stacker. The Multi-Cassette Unit (MCU) option lets you operate continuously for longer, with up to four cassettes of 75 plates each, for a maximum of 300 plates online.

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.

New app for remote monitoring
Coming in late 2018, the new, optional KODAK Mobile CTP Control App lets you monitor your MAGNUS VLF Platesetter remotely with your Android or IOS device. Know instantly if one of your CTP devices needs attention, even if you are out of the room or off site, so you can get back to making plates quickly.

Integrated punch enhances automation
The MAGNUS VLF Platesetter 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 platesetters for precise registration of plates.

Accurate and stable imaging
Standard on all MAGNUS VLF Platesetters, KODAK SQUARESPOT Imaging Technology automatically compensates for temperature-related plate expansion and contraction for precise, consistent imaging from plate to plate and machine to machine. SQUARESPOT Technology also enables KODAK STACCATO Screening for moiré-free image fidelity, with extraordinary tone and color consistency throughout the press run. Additionally, the dynamic autofocus mechanism provides robustness to process variation on the plate and prevents hot spots.

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General specifications		
Technology	830 nm platesetter with KODAK SQUARESPOT Imaging Technology, external drum	
Automation options	*ContinuousLoad (standard):* Semi-automated; 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):* Fully automated; 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	• Optional automatic punching is operated according to press profile selected from the Kodak Workflow. • Up to 10 customized punch heads. Select from a list of punches qualified for Magnus VLF Platesetter. • 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	*Standard:* **F** speed = 20.5 pph *Optional:* **X** speed = 31.3 pph *Optional:* **Z** speed = 48.0 pph with CL/MCU; 52.6 pph with APL	
Throughput at 2400 dpi[1,2] for plate size 1,804 x 1,422 mm	**F** speed = 13.8 pph **X** speed = 18.2 pph **Z** speed = 30.1 pph	
Throughput at 2400 dpi[1,2] for plate size 2,083 x 1,600 mm	N/A	**F** speed = 12.3 pph **X** speed = 16.4 pph **Z** speed = 27.6 pph
Repeatability [3]	± 15 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	*Standard*: 2400/1200 dpi *Optional*: 2540/1270 dpi	
Screening	• 450 lpi max line screen • *Optional*: 25-, or 20-micron KODAK STACCATO Screening	
Maximum plate size: around x along drum [4]	1422 x 1804 mm	1600 x 2083 mm
Minimum plate size: around x along drum [4]	Standard/MCU: 483 x 394 mm APL: 483 x 483 mm	Standard/MCU: 483 x 394 mm APL: 483 x 483 mm
Maximum image area: around x along drum [4]	1408 x 1804 mm	1586 x 2083 mm
Physical characteristics		
Size (H x W x D)	• MAGNUS VLF: 1550 x 4055 x 2590 mm • MAGNUS VLF MCU: 1550 x 7116 x 2850 mm • MAGNUS VLF APL with 1/2/3 segments: 1550 x 8191 mm/1550 x10813 mm/13435 x 3904 mm	
Weight	• MAGNUS VLF: 2135 kg • MAGNUS VLF MCU: 4064 kg • MAGNUS VLF APL with 1/2/3 segments: 4270 kg/4970 kg/5670 kg	

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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