



KODAK MAGNUS
VLF PLATESETTER

Plate making that fits your business



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

Featuring KODAK SQUARESPOT Imaging Technology, MAGNUS Platesetters are some of the fastest fully-automated very-large format (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.



**KODAK
SQUARESPOT**
IMAGING
TECHNOLOGY

Multiple automation options

Increasing the amount of time your platesetter runs unattended can provide big gains in efficiency and productivity in prepress.



ContinuousLoad

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. Integrated punch with up to 10 punch heads as part of the engine automation delivers a press-ready plate. Right access is standard; available with optional left access.



Multi-Cassette Unit (MCU)

Fully automated, letting you operate continuously for longer.

Holds up to 300 plates (0.3 mm) 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. Right access is standard; available with optional left access.



Manual Bypass

Available with MCU or APL.

Increases flexibility and uptime by allowing an operator to bypass automation, loading plates straight into the main engine, to quickly remake a plate or make a set of plates of a size not loaded into the pallet or cassette.

Automatic Pallet Loader (APL)

Enables easy and efficient bulk loading, providing time and labor savings by removing the extra work required by manual or cassette loading for VLF plate sizes.

Simply load between one and six pallets with up to 600 plates (0.3 mm) 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. Right access is standard; available with optional left access.



1-segment



2-segment



3-segment

Integrated punch enhances automation

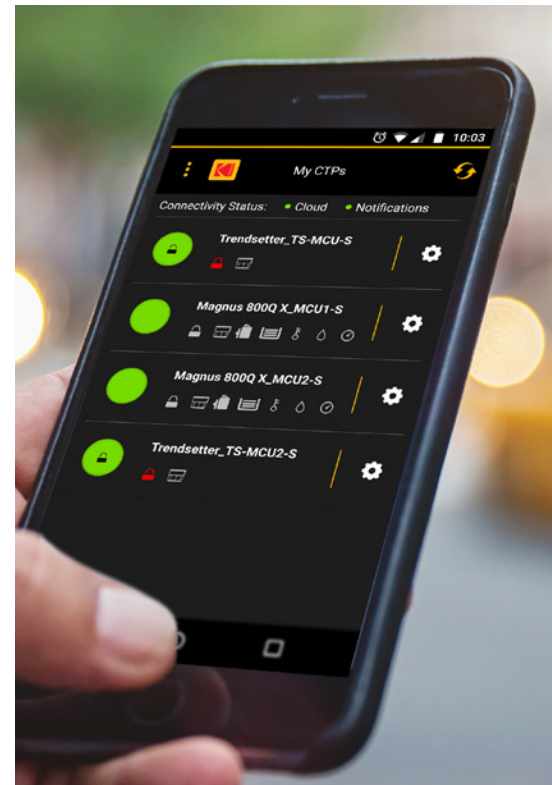
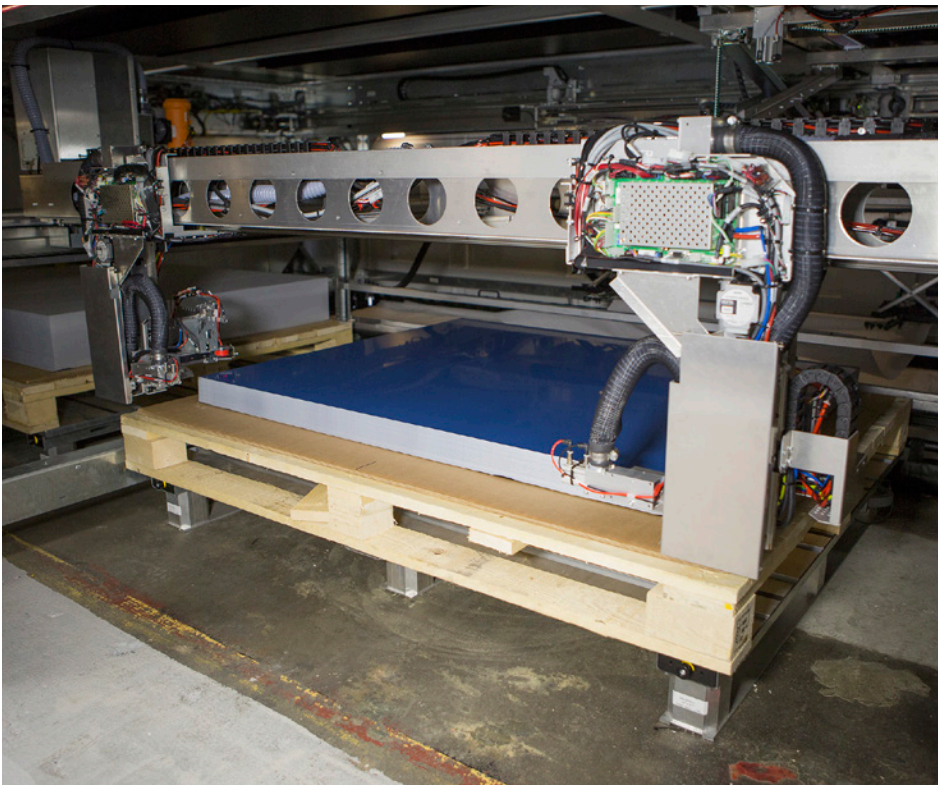
The MAGNUS VLF Platesetter features a fully integrated punch option with accurate three-point registration, helping eliminate costly errors. The punch option is available with ContinuousLoad, MCU, or APL automation options, and is fully configurable to match a wide variety of press requirements. The 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.

New app for remote monitoring

The 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.



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General specifications		
Technology	830 nm platesetter with KODAK SQUARESPOT Imaging Technology, external drum	
Integrated punch	<ul style="list-style-type: none"> 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	<i>Standard:</i> F speed = 19.7 pph <i>Optional:</i> X speed = 32.1 pph <i>Optional:</i> W 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 = 18.1 pph X speed = 20.0 pph W speed = 30.4 pph	
Throughput at 2400 dpi^{1,2} for plate size 2,083 x 1,600 mm	N/A	F speed = 16.3 pph X speed = 18.2 pph W speed = 28.1 pph
Repeatability³	± 15 microns between two consecutive exposures on the same plate left on the drum	
Accuracy³	± 35 microns accuracy of image size and shape	
Registration³	± 25 microns between image and plate edge at registration points	
Workflow connectivity	Standard KODAK Print Console with TIFF Downloader Software included; connects to KODAK PRINERGY Workflow and most third-party workflow systems. JDF/JMF Connectivity Option enables functionality in the Print Console software to provide job and device status. The optional KODAK Mobile CTP Control App lets you monitor CTP devices from your mobile device.	
Imaging specifications	Q2400 Platesetter	Q3600 Platesetter
Resolution	<i>Standard:</i> 2400/1200 dpi <i>Optional:</i> 2540/1270 dpi (not available with W speed)	
Screening	<ul style="list-style-type: none"> 450 lpi max line screen <i>Optional:</i> 25-, or 20-micron KODAK STACCATO Screening 	
Maximum plate size: around x along drum⁴	1422 x 1804 mm	1600 x 2083 mm
Minimum plate size: around x along drum⁴	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 drum⁴	1408 x 1804 mm	1586 x 2083 mm
Physical characteristics		
Size (H x W x D)	<ul style="list-style-type: none"> 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 8191/10813/13435 x 3904 Also available is the compact APL, which has a depth of only 3295 mm. The compact APL only supports plate sizes up to 1296 x 2083 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 	

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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