



**Kodak**

Magnus VLF

Platesetters

**Productivity,  
reliability  
and stability**  
in VLF thermal imaging



# Get to press more quickly

## Fast imaging

Featuring **Kodak SQUAREspot** Imaging Technology, **Magnus** Platesetters are some of the fastest fully-automated VLF platesetters in the market. Offering two models with various speed options, **Magnus** VLF Platesetters deliver a minimum of 20.5 plates per hour (pph), and can achieve throughput up to 52.6 pph.

## Multiple automation options for productivity gains

Increasing the amount of time your platesetter runs unattended can provide big gains in efficiency and productivity in prepress. Less time is wasted loading plates, the platesetter is not idle awaiting attention, and operators can concentrate on other tasks. The ContinuousLoad option for the **Magnus** VLF Platesetter allows two-plate queuing and automatic plate eject to an online processor. The Multi-Cassette Unit (MCU) option allows the **Magnus** VLF Platesetter to operate with four cassettes of up to 75 plates per cassette 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.

Further productivity gains can be achieved with the dual-plate option, allowing you to load two plates concurrently, and the Side-Edge Registration option, which enables plates imaged in portrait orientation to be registered to the long edge.

## 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 inline punch automatically corrects for temperature-related plate expansion difference between platesetters for precise registration of plates.

## Eliminate chemistry with process free plates

**Kodak Sonora XP** Process Free Plates can help boost overall throughput even further. These innovative plates completely eliminate plate processing and chemistry, without compromising image quality or print performance.

## Choose your preferred size and speed

The **Magnus** VLF Platesetter is available in four 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 allow you to choose the number of plates per hour your device will produce.

## **SQUAREspot Imaging Technology**

**Magnus** VLF Platesetters feature advanced **Kodak SQUAREspot** Imaging Technology for exceptional stability in imaging. **SQUAREspot** Technology improves press utilisation by delivering plates with excellent accuracy and repeatability, and notably better tonal consistency throughout the developer life cycle, reducing waste and improving make-ready. You can keep your large-format press operating steadily, making room for shorter run lengths and greater customisation. **SQUAREspot** Technology also helps you maintain end-to-end data integrity, from the original file through to the press, even as process conditions fluctuate.

The high-resolution laser helps ensure that the resulting dots on plate are consistent and repeatable from plate to plate, platesetter to platesetter, and day to day. Plates made on different platesetters using **SQUAREspot** Technology will match in fit, quality, and register.

## **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.

## **High-fidelity Staccato Screening included**

**SQUAREspot** Technology, combined with 10 or 20-micron **Kodak Staccato** Screening, allows you to produce photorealistic prints to distinguish your business. Bundled with **Magnus** VLF Platesetters, **Staccato** Screening produces high-fidelity, artefact-free images that exhibit fine detail without halftone rosettes, screening moiré, gray level limitations, abrupt jumps in tone, or impact on RIPing or rendering time. **Staccato** Screening brings tonal and colour stability to the pressroom by reducing variations in dot gain and colour contamination from paper.

## **Renowned worldwide service and support from Kodak**

**Kodak** Service and Support offers a network of global response centres, an easy-to-use Internet support portal, and over 1500 geographically dispersed, factory trained professionals.

**Kodak** Service Wire remote support allows our response centre to directly interact with your **Kodak** Platesetter, saving you time and helping ensure maximum uptime. With our flexible service programmes, you can optimise your operations by taking advantage of our fast response times, preventive maintenance services, extensive parts inventory, and comprehensive global coverage.

## **Complete solution from Kodak**

**Kodak** is the one vendor that can offer you a complete and truly unified workflow solution, including CTP device, plates, plateline equipment, and workflow. With over 16000 thermal CTP installations, plate manufacturing plants located throughout the world, and a highly skilled and responsive support network, **Kodak** is an ideal partner for your VLF plate making needs.



**Magnus** VLF Platesetter

# Kodak Magnus VLF Quantum Platesetter

Automation options	<ul style="list-style-type: none"> <li>• Semi-automatic: Utilising static load/unload tables, plates are electronically 3-point registered to the imaging engine.</li> <li>• 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.</li> <li>• 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.</li> <li>• Automatic Pallet Loader: Loads plates directly from shipping pallets into the <b>Magnus</b> 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.</li> </ul>	
Performance specifications	<b>Q2400 Platesetter</b>	<b>Q3600 Platesetter</b>
Throughput at 2400 dpi <sup>1,2</sup> for plate size 1030 x 838 mm	<ul style="list-style-type: none"> <li>• <i>Standard</i>: F speed = 20.5 plates per hour</li> <li>• <i>Optional</i>: X speed = 25.8 plates per hour</li> <li>• <i>Optional</i>: Z speed = 39.9 plates per hour with APL</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Standard</i>: F speed = 23.8 plates per hour</li> <li>• <i>Optional</i>: X speed = 31.3 plates per hour</li> <li>• <i>Optional</i>: Z speed = 48.0 plates per hour with CL/MCU</li> <li>• <i>Optional</i>: Z speed = 52.6 plates per hour with APL</li> </ul>
Throughput at 2400 dpi <sup>1,2</sup> for plate size 2.070 mm	F speed = 12.4 plates per hour X speed = 16.6 plates per hour Z speed = 28.2 plates per hour	
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 the same device (at largest plate size and over full temperature range)	
Registration	25 microns (1.0 mil.) between image (near registration points) and registration points (for all plate sizes over the full range of temperature)	
Imaging specifications	<ul style="list-style-type: none"> <li>• 450 lpi max line screen</li> <li>• <i>Optional</i>: 25-, 20- or 10-micron* <b>Kodak Staccato</b> Screening</li> </ul>	
Resolution	<ul style="list-style-type: none"> <li>• <i>Standard</i>: 2400/1200 dpi</li> <li>• <i>Optional</i>: 2540/1270 dpi</li> </ul>	
Workflow connectivity	Standard <b>XPO</b> TIFF Downloader Software (included) connects to most third-party workflow systems. <b>Kodak Prinerger Evo</b> Workflow, <b>Kodak Prinerger</b> Workflow, and connection to third-party workflow systems.	
Media Specifications	<b>Q2400 Platesetter</b>	<b>Q3600 Platesetter</b>
Media type	830 nm thermal IR-sensitive aluminum plate	
Plate sizes minimum to maximum, around drum x along drum (Minimum plate size for APL is 483 x 584 mm in either portrait or landscape)	483 x 394 mm to 1422 x 1804 mm	483 x 394 mm to 1600 x 2083 mm
Plate thickness	Semi-automatic: 0.2 - 0.4 mm ContinuousLoad / Multi-Cassette Unit / Automatic Pallet Loader: 0.2 - 0.4 mm	

<sup>1</sup> Imaging time is dependent on media sensitivity and screening type. All values are for media sensitivity of 120mj/cm<sup>2</sup>, screening of 175 lpi and plate width of 1,030 mm

<sup>2</sup> Tested with **Kodak** Workflow.

\*10-micron **Staccato** screening capability is media dependent

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

**To learn more about solutions from Kodak,**  
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