Kodak

Magnus 800
Platesetter

High-performance plate making with top image quality

Kodak Magnus 800 Platesetters, with new advanced features, provide exceptional productivity and efficiency to meet the needs of both small and large commercial printers. They offer speeds up to 62 plates per hour, a modular design for easy scaleability, and various plate options. The Kodak Magnus 800 Quantum Platesetter, combined with optional 10-micron Kodak Staccato Screening and Kodak Digital Plates, delivers photorealistic results that you have to see to believe.

New capabilities significantly increase productivity, flexibility, and operational cost savings. The power save mode reduces power consumption and saves money, and improved remote support capabilities, including the option to turn the device on and off remotely, can increase operational flexibility.

Advanced automation for flexibility and productivity

Multiple automation options—from the semi-automatic base unit, to single- or multi-cassette units, to the Automatic Pallet Loader—support your unique business needs.

The Automatic Pallet Loader (APL) for the Magnus 800 Platesetter enables faster plate loading, reduced labor costs, and longer unattended operation. Simply load a pallet of up to 600 plates into the APL bay, and the machine does the rest, removing slip sheets and loading each plate automatically into the platesetter.

Greater throughput, with upgrade potential

The Magnus 800Z Quantum Platesetter is one of the fastest 8-page CTP devices in the market, with an increased throughput of 62 plates per hour. In addition, you can choose from 18, 28, 38, and 45 plate per hour systems that meet your requirements today, and easily upgrade as your business grows.

Maximum stability

Standard on all Magnus 800 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.

Seamless integration with *Kodak* Solutions

The Magnus 800 Platesetter is tightly integrated with Kodak Workflow Solutions, Kodak Processing Equipment and Kodak Plates, enabling a complete automated prepress solution. Third party workflow systems are also easily integrated. Gigabit Ethernet connectivity to Kodak Prinergy Workflow provides flexibility as workflow can be located in a separate room.

Reduce costs and environmental impact

The Magnus 800 Platesetter family supports Kodak Sonora XP Process Free Plates and other processless plates, so you can completely eliminate your processor and chemistry, including related maintenance costs. In addition, the new power save mode enables you to reduce power consumption when the machine isn't running.

Kodak **Magnus** 800/ **Magnus** 800 **Quantum** Platesetters

	Magnus 800 Platesetter	**Magnus 800 Quantum Platesetter**
General specifications		
Technology	830 nm thermal imaging platesetter, fully or semiautomatic, external drum	
Load/unload systems	• ContinuousLoad (standard): Semiautomated; as one plate is imaged, another is placed on standby for automatic loading as soon as the drum unloads. • Single-cassette unit (SCU) option: Fully automated; holds up to 100 plates of the same size and thickness with slip sheets. Can be configured in left or right orientation. • Multi-cassette unit (MCU) option: Fully automated; holds up to 500 plates in 5 cassettes, each containing up to 100 plates of the same size and thickness 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): Holds one pallet of up to 600 plates of the same size and thickness with slip sheets. Optional cassette tray for up to 100 plates. Option to bypass the automatic plate loader by inserting plate directly into the platesetter from the loading conveyor. (Consult your **Kodak** Plates representative for a current list of plates qualified for the APL.)	
Inline punch	• Up to 10 customized punch heads. Select from a list of punches qualified for **Magnus** 800 Platesetter • Optional automatic punching is operated according to press profile selected from the **Kodak** Workflow • Punch is available on the front edge of the plate only.	
Performance specifications		
Throughput at 2400 dpi [1,2]	S speed: 18 plates per hour F speed: 28 plates per hour V speed: 38 plates per hour X speed: 45 plates per hour Z speed: 62 plates per hour	
Repeatability	± 5 microns (over 2 consecutive exposures on the same plate)	
Accuracy	± 20 microns (between 2 plates imaged on the same platesetter, at largest plate size)	
Registration	± 25 microns between image and punches, when customer punches are used (at largest plate size)	
Workflow connectivity	**Kodak Prinergy** Workflow and **Kodak Prinergy Evo** Workflow Connection to third-party workflow systems (via 1-bit TIFF workflow)	
Imaging specifications		
Resolution	2400/1200 or 2540/1270 dpi	
Screening	250 lpi max linescreen Optional: 25-micron **Kodak Staccato** Screening	450 lpi max linescreen Optional: 20- or 10-micron **Kodak Staccato** Screening
Max. plate size: around x along drum	950 x 1,163 mm (37.4 x 45.78 in.)	
Max. image area size: around x along drum	938 x 1,163 mm (36.9 x 45.78 in.)	
Min. plate size: around x along drum	330 x 305 mm (13 x 12 in.)	
Min. image area size: around x along drum	318 x 305 mm (12.5 x 12 in.)	
Physical characteristics		
Size (H x W x D)	110.3 x 231 x 165.6 cm (43.4 x 90.9 x 65.2 in.)	
Weight	1,040 kg (2,293 lb.)	

To learn more about solutions from Kodak:
Visit graphics.kodak.com

Produced using **Kodak** Technology.

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[1] Imaging time is dependent on media sensitivity and screening type. All values are for media sensitivity of 120mj/cm2, screening of 175 lpi and plate width of 1,030 mm (40.55 in.)

[2] Tested with **Kodak** Workflow.

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

Kodak YELLOW CHANGES EVERYTHING