

MAGNUS
Q800PREMIUM
PERFORMANCE
AND QUALITY

High-performance plate making with top image quality

The **Kodak Magnus Q800 Platesetter**, with advanced features, provides exceptional productivity and efficiency to meet the needs of both small and large commercial printers. It offers speeds up to 62 plates per hour, a modular design for easy scalability, and various plate options. When combined with optional 10-micron **Kodak Staccato** Screening and **Kodak Digital Plates**, **Kodak Magnus Q800 Platesetters** deliver photorealistic results that you have to see to believe.

Powerful capabilities significantly increase productivity, flexibility and operational cost savings, 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

Automating prepress production helps reduce waste and costly errors while optimizing throughput and operational efficiency. The **Magnus Q800 Platesetter** is available with multiple automation options—from the semi-automatic base unit, to single- or multi-cassette units, to the Automatic Pallet Loader—to support your unique business needs.

The Automatic Pallet Loader (APL) 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 Q800 Platesetter** with Zspeed option 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 28- or 45- plate per hour systems that meet your requirements today, and easily upgrade as your business grows.

Maximum stability

Standard on all **Magnus Q800 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 Q800 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.

Reduce costs and environmental impact

The **Magnus Q800 Platesetter's** new power save mode enables you to reduce power consumption when the machine isn't running. The **Magnus Q800 Platesetter** family also 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 fact, the industry-leading pixel sharpness of **SQUAREspot** Imaging Technology enables a 27% reduction in the amount of energy required to image **Sonora XP** Plates on the **Magnus Q800 Platesetter**.

Kodak Magnus Q800 Platesetter

General specifications

Technology	830 nm thermal imaging platesetter, fully or semiautomatic, external drum
Automation options	<p>ContinuousLoad (standard): Semiautomated; as one plate is imaged, another is placed on standby for automatic loading as soon as the drum unloads.</p> <p>Single-cassette unit (SCU) option: Fully automated; holds up to 100 plates of the same size and thickness with slip sheets. Standard: right access; available with optional left access.</p> <p>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. Standard: right access; available with optional left access.</p> <p>Automatic Pallet Loader (APL) option: Holds one pallet of up to 600 plates of the same size and thickness with slip sheets. Standard cassette tray for up to 100 plates enables a secondary plate size online that is different from the pallet plate size. Option to bypass the automatic plate loader by inserting plate directly into the platesetter from the loading conveyor. Standard: right access; available with optional left access. (Consult your Kodak Plates representative for a current list of plates qualified for the APL.)</p>
Integrated punch	<ul style="list-style-type: none"> • Up to 10 customized punch heads. Select from a list of punches qualified for Magnus Q800 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}	<ul style="list-style-type: none"> • Standard: F speed = 28 plates per hour • Optional: X speed = 45 plates per hour • Optional: Z speed = 62 plates per hour
Repeatability	± 5 microns between two consecutive exposures on the same plate left on the drum
Accuracy	± 20 microns between 2 plates imaged on the same Magnus Platesetter, at largest plate size
Registration	± 25 microns between image and punches, when customer punches are used (at largest plate size)
Workflow connectivity	Standard XPO TIFF Downloader Software (included) connects to most third-party workflow systems. Kodak Prinergy Workflow, and connection to third-party workflow systems.

Imaging specifications

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-, 20- or 10-micron Kodak Staccato Screening
Max. plate size: around x along drum	950 x 1,163 mm
Max. image area size: around x along drum	938 x 1,163 mm
Min. plate size: around x along drum	330 x 305 mm
Min. image area size: around x along drum	318 x 305 mm

Physical characteristics

Size (H x W x D) / Weight	<p>Standard: 113 x 231 x 166 cm / 1040 kg</p> <p>SCU: 146 x 231 x 433 cm / 2076 kg</p> <p>MCU: 146 x 369 x 433 cm / 2802 kg</p> <p>APL: 146 x 231 x 470 cm / 2254 kg</p>
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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.

Produced using **Kodak** Technology.

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