

KODAK MAGNUS

Q800 PLATESETTER



**KODAK
SQUARESPOT**
IMAGING
TECHNOLOGY



Premium performance and quality

High-performance plate making

The KODAK MAGNUS Q800 Platesetter 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, MAGNUS Q800 Platesetters deliver photorealistic results that you have to see to believe.

New app for remote monitoring

The new, optional, KODAK Mobile CTP Control App lets you monitor your MAGNUS Q800 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.

Advanced automation

Automating prepress production helps reduce waste and costly errors while optimizing throughput and 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.

The Automatic Pallet Loader (APL) enables fast plate loading, reduced labor costs, and long unattended operation. Simply load a pallet of up to 650 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 Z-speed option is one of the fastest 8-page CTP devices in the market, with throughput of 62 plates per hour. Or you can choose a 28- or 45-pph system 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.

Reduce costs and environmental impact

The power save mode enables you to reduce power consumption when the machine isn't running. The MAGNUS Q800 Platesetter also supports KODAK SONORA Process Free Plates, so you can completely eliminate your processor and chemistry.



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General specifications

Technology	830 nm platesetter with KODAK SQUARESPOT Imaging Technology, external drum
Automation options	<p><i>ContinuousLoad (standard):</i> Semi-automated; as one plate is imaged, another is placed on standby for automatic loading as soon as the drum unloads.</p> <p><i>Single-cassette unit (SCU) option:</i> 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><i>Multi-cassette unit (MCU) option:</i> 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><i>Automatic Pallet Loader (APL) option:</i> Holds one pallet of up to 650 plates of the same size and thickness with slip sheets. Standard cassette tray for up to 100 plates enables a secondary plate size offline without pallet 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 Platesetters • 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 dpi² plates per hour (pph)	<p><i>Standard:</i> F speed = 28 pph</p> <p><i>Optional:</i> X speed = 48 pph</p> <p><i>Optional:</i> Z speed = 62 pph</p>
Repeatability	± 5 microns between two consecutive exposures on the same plate left on the drum
Accuracy	± 20 microns between two plates imaged on the same device
Registration	± 25 microns between image and plate edge
Workflow connectivity	Standard XPO 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.

Imaging specifications

Resolution	<p><i>Standard:</i> 2400/1200 dpi</p> <p><i>Optional:</i> 2540/1270 dpi</p>
Screening	<p>450 lpi max line screen</p> <p><i>Optional:</i> 25-, 20- or 10-micron KODAK STACCATO Screening</p>
Maximum plate size:³ around x along drum	950 x 1,163 mm
Minimum plate size:³ around x along drum	330 x 305 mm
Maximum image area: around x along drum	318 x 305 mm

Physical characteristics

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

³ Standard plate gauge is 0.15 to 0.3 mm (0.006 to 0.012 in). For plate gauges 0.15 to 0.2 mm (0.006 to 0.08 in) there may be some differences in min and max plate sizes. For more information, please consult your Kodak representative.

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

