

Kodak

Magnus 400 III Platesetter



Fast, flexible platesetting

Kodak Magnus 400 III Platesetters offer productivity, quality, and ease of use for printing operations of all sizes. From the base model to the fully-automated, high-speed **Kodak Magnus 400 III Quantum** Platesetter, every device delivers stable, accurate imaging and industry-renowned performance. A small footprint saves valuable floor space, and a large drum size gives you the flexibility to image an extensive range of 2- to 6-page plates.

Automated productivity and cost saving modularity

The Magnus 400 III Platesetter's advanced features and modular options can increase efficiency in every aspect of platemaking. In addition to its standard capabilities, the platesetter offers ease-of-use improvements through a multilanguage option (with 9 operating languages), autorecovery mechanism, and gigabit Ethernet communication for enhanced file management. The ContinuousLoad built-in standard option provides nonstop platemaking and a punch option helps make plates ready for press. You can easily upgrade to the single or multi-cassette unit for unattended operation through completely automated plate loading, slip sheet removal, and inline punch. A bypass feature allows quick plate remakes.

Choices to meet your specific needs

Magnus 400 III Platesetter models are cost-effective choices for high speed, high-quality imaging up to 22 plates per hour. The top-of-the-line **Magnus 400 III Quantum** Platesetter images an impressive 38 plates per hour, and features **Kodak SQUAREspot** Imaging Technology for greater process stability, and photorealistic printing with 10- or 20-micron **Kodak Staccato** Screening. Full automation makes it a powerful, productive device.

Cost-saving, environmentally-conscious non process plates

Magnus 400 III Platesetters support **Kodak Thermal Direct Non Process Plates** and other processless plates, so you can reduce costs and impact on the environment by eliminating chemistry and your plate processor. In addition, a power save mode on the platesetter enables you to reduce power consumption to less than 100w when the machine isn't running.

Seamless integration with Kodak Workflow Solutions

Tight integration with **Kodak Workflow Systems** enables a completely automated prepress solution. Third-party workflow systems are easily integrated.

Kodak Magnus 400 III/ Magnus 400 III Quantum Platesetters

	Magnus 400 III Platesetter	Magnus 400 III Quantum Platesetter
General specifications		
Technology	830 nm thermal imaging platesetter, fully or semiautomatic, external drum	
Load/unload systems	<ul style="list-style-type: none"> • ContinuousLoad: 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 60 plates (0.3 mm) of the same size and thickness with slip sheets. Functions are identical to multi-cassette unit. • Multi-cassette unit (MCU) option: Fully automated; holds up to 180 plates in 3 cassettes, each containing up to 60 plates (0.3 mm) of the same size and thickness with slip sheets. The required cassette is automatically selected according to the job definition. Slip sheets can be removed from the storage bin while the platesetter is running. 	
Punch option	Can be configured with up to 6 punches for single, double, and triple holes, ensuring precise image-to-punch and plate-to-plate registration. More than 300 punch heads are available. ContinuousLoad configuration: Optional Punch conveyor available with up to 6 punches. ¹ SCU/MCU configuration: Inline punch option	
Performance specifications		
Throughput at 2400 dpi ^{2,3} for plate size 724 x 680 mm (28.5 x 26.8 in.)	S speed: 17 plates per hour F speed: 22 plates per hour	V speed: 38 plates per hour
Repeatability	± 5 microns (over 2 consecutive exposures on the same plate)	
Accuracy ⁴	± 20 microns (at a resolution of 100 dpmm/2540 dpi)	
Workflow connectivity	Kodak Prinergy Evo Workflow and Kodak Prinergy Workflow Connection to third-party workflow systems (via 1-bit TIFF workflow)	
Imaging specifications		
Resolution	Continuous variable 2032 to 3048 dpi (80 to 120 dpmm)	1200 and 2400 dpi (47.2 and 94.4 dpmm) or 1270 and 2540 (50 and 100 dpmm)
Screening	250 lpi max linescreen Optional: 25-micron Kodak Staccato Screening	450 lpi max linescreen 20-micron Kodak Staccato Screening Optional: 10-micron Kodak Staccato Screening
Max. plate size: around x along drum	685 x 762 mm (26.96 x 30 in.)	
Min. plate size: around x along drum	300 x 228 mm (12 x 9 in.)	
Max. image area size: around x along drum	673 x 762 mm (26.5 x 30 in.)	
Physical characteristics		
Size (H x W x D)	183.5 x 185 x 322.5 cm (72.2 x 73 x 127 in.)	
Weight	1700 kg (3748 lb.)	

¹May reduce plate throughput by 2 pph.

²Imaging speed and throughput is dependent on media sensitivity. All values are for media sensitivity of 130mj/cm.

³Tested with **Kodak** Workflow solutions and with MCU/SCU. For additional information about the test conditions, please consult your Kodak representative.

⁴Specification for aluminum media with fixed thickness of 0.3 mm (12 mil) at 25°C (77°F).

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:

Visit graphics.kodak.com

Produced using **Kodak** Technology.

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