

DPM Pro 400

Automated Polyester Plate CTP System

- Excellent solution for small format presses
- High speed plate production
- Low cost of ownership
- Easy to use, fully automated
- High resolution output
- Low chemistry use
- Compact size



DPM Pro 400

Increase Productivity and Turnaround

The Presstek DPM Pro 400 is an easy-to-use, fully automated, high resolution polyester plate CTP system. It is designed for use with small-format presses and supports plate widths up to 16.31" (414 mm). The DPM Pro 400 is faster, more economical to use, more environmentally-friendly, and more compact than comparable choices.

The DPM Pro 400 features an advanced internal plate processor. Its automation, speed, and low cost of operation will help make your business more capable, profitable and competitive.

DPM Pro 400 Features:

- Fully automated digital system
- Produces polyester and paper-based plates
- Minimal operator training and intervention
- High resolution output up to 2400 dpi
- Up to 78 plates per hour
- Low chemistry consumption
- Ideal CTP solution for small presses
- Versatile and well suited for a wide range of printing applications
- Compact size and daylight operation



Speed Up Production and Deliver High Quality Output

Digital platemaking with a DPM Pro 400 makes it possible to handle more jobs with increased efficiency and precision. There are no intermediate steps required, so process variables in platemaking are significantly reduced.

The DPM Pro 400 requires little time to produce press-ready plates. Simply load the MEGAPRO material and the DPM Pro 400 operates with a minimum of operator intervention. The DPM Pro 400 receives 1-bit TIFF files from your RIP, then images, processes and sizes your plates, all in one streamlined automatic operation.

The DPM Pro 400's processor is built-in, self-contained and highly efficient. Presstek MEGAPRO plates and MEGAPRO LC chemistry work as an optimized system to deliver extremely stable, repeatable and accurate plate development.

An integrated cutter sizes plates precisely, so there's no wasted plate material. You go directly from desktop to press-ready plates in one automated procedure. An optional punching system completes your CTP workflow.

Be More Capable, Profitable and Competitive

Because it is fully automated, the DPM Pro 400 becomes an integral part of your digital workflow, freeing prepress personnel to perform other tasks and work more productively. Simplified platemaking, fast turnaround time, and high throughput of plates enable you to process more jobs and better respond to short lead times.

DPM Pro 400

DPM Pro 400 Benefits:

High Performance: The DPM Pro 400 can produce up to 78 plates per hour at 1200 dpi. You can increase resolution to 1500, 1800 or 2400 dpi to fit individual job requirements. With a range of resolution choices, the DPM Pro 400 covers a wide range of applications, from forms and stationery to complex four-color work.

Versatile Formats: Plate widths range from 9" to 16.31", with lengths running from 8.65" to 22.83". Plate sizes are ideally suited for two-up presses and duplicators.

Easy Operation: No special operating conditions or environment are required. Plate rolls are loaded in daylight conditions. The automated internal processor requires only periodic replenishment of chemistry. The very small footprint requires minimal space and fits almost any prepress environment.

Minimal Chemistry: The DPM Pro 400's unique processing technology provides extremely stable plate development. It does so by applying only a thin layer of chemistry to the plate surface to complete the image development process. This lowers your cost by reducing the chemistry consumption and disposal that are required by most other dip tank processor systems, and saves time by minimizing maintenance.

Connectivity

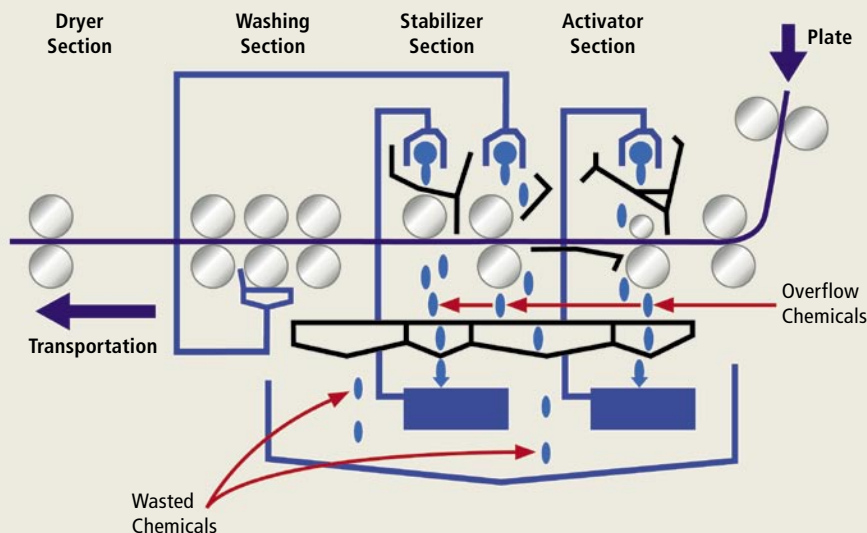
The DPM Pro 400 is compatible with a range of industry standard RIPs and workflows. Presstek's integrated digital solutions include workflow solutions that optimize the performance of your Presstek equipment.

MEGAPRO Plates

The DPM Pro 400 uses Presstek's MEGAPRO plate line, including polyester and paper-based plates. Plates, activator, stabilizer and fountain solutions are used together as a system to achieve optimum results.

MEGAPRO polyester plates have a high resolution emulsion capable of producing high contrast, sharp images. They can run on virtually all offset presses and are compatible with a wide variety of dampening systems and inks.

MEGAPRO 5 mil and 8 mil polyester plates support run lengths up to 25,000 impressions. Lower cost 7 mil MEGAPRO paper-based plates support run lengths up to 10,000 impressions.



The integrated processor offers both economical and environmental benefits. The system operates with two ready-to-use solutions for processing spooled MEGAPRO plates. The unique processor design uses two-thirds less chemistry than most other systems.

Presstek DPM Pro 400 Specifications

Recording Technology	Capstan		
Light Source	Red laser diode, 635 nm		
Media Type	MEGAPRO 5 mil and 8 mil rolled polyester plates for runs up to 25,000 impressions* MEGAPRO 7 mil rolled paper-based plates for runs up to 10,000 impressions*		
Plate Width	9" to 16.31" (229 mm to 414 mm)		
Plate Length	8.65" to 22.83" (220 mm to 580 mm)		
Recording Width	Maximum 15.9" (404 mm)		
Resolution	1200, 1500, 1800 and 2400 dpi		
Screen Ruling	175 line screen recommended maximum		
Recording Speed	48" (1236 mm)/minute at 1200 dpi 31" (791 mm)/minute at 1500 dpi 22" (552 mm)/minute at 1800 dpi 12" (309 mm)/minute at 2400 dpi		
Output Speed	First plate 114 sec. 78 plates/hour at 1200 dpi 69 plates/hour at 1500 dpi 53 plates/hour at 1800 dpi 29 plates/hour at 2400 dpi		
Interface	Fast-PIF (16 bit)		
RIP (not included)	Presstek Momentum RIP, Presstek Momentum Pro RIP/Workflow or other industry standard workflow		
Processor	Internal, automated		
Tank Capacity	Main tank:	Replenishing bottle:	
	Activator	.145 gal (0.55 liter)	.528 gal (2 liter)
	Stabilizer	.159 gal (0.60 liter)	.528 gal (2 liter)
	Wash-off water	.068 gal (0.26 liter)	.264 gal (1 liter)
Physical Specifications			
Power Requirements	100/120 VAC, 15 AMP, 50/60 Hz		
Dimensions (W×D×H)	39.375" × 31.31" × 42.125" (1000 mm × 795 mm × 1070 mm)		
Weight	456 lb. (207 kg)		
Operating Conditions	73.4° F ± 9° F (23° C ± 5° C) and 50–70% relative humidity		
Options			
Punching	<ul style="list-style-type: none"> • Integrated converting punching unit / Bell or DS system • External Bell Punching Unit 		

*Actual numbers will be affected by ink and paper conditions.

Specifications are subject to change.

Purchase MEGAPRO plates, MEGAPRO LC chemistry and other printing supplies at shop.presstek.com



Service and Support

Presstek provides an integrated support network of field engineers, customer care representatives, and technical support engineers—all supported by advanced information technology systems. Expert installation, training and maintenance supports your investment so it will pay dividends quickly and reliably for years to come.



For more information about Presstek Products:

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Printed on a Presstek DI® digital offset press on Chorus Art 100lb. Silk Cover. Chorus Art stock contains 50 percent recycled fiber, including 25 percent post-consumer waste, and is Forest Stewardship Council certified.

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