

ABDick Digital PlateMaster DPM34 SC/HSC



ABDICK DPM34 SC/HSC POLYESTER CTP SYSTEM

- DPM34 SC outputs 13.375" plates; DPM34 HSC outputs three plate sizes: 13", 13.2" and 13.375"
- ThinDrum technology
- High speed production
- High resolution: 2400 dpi, 175 lpi
- Harlequin®-based RIP; PostScript® Level 3
- Accurate RIPped image preview
- Unique plate positioning plug-in
- Intel®-based computer with Windows® operating system
- Accepts PostScript® and PDF files
- Daylight loading material cassettes
- In-line dual-tank plate processor

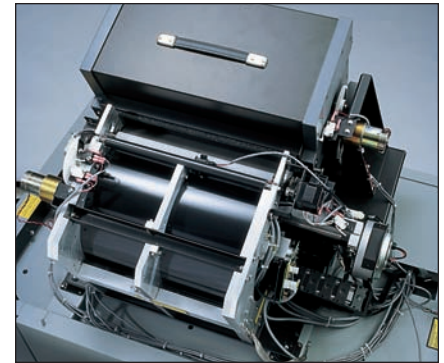
STREAMLINE YOUR WORKFLOW WITH DIGITAL PLATEMAKING

The ABDick Digital PlateMaster 34 SC/HSC is an easy-to-use, high-resolution platesetter designed for use with small-format portrait presses. This affordable direct-to-plate solution features a fully integrated Harlequin®-based RIP and internal polyester plate processor.

The DPM34 SC/HSC streamlines your workflow by seamlessly blending the precision and efficiency of digital platemaking with the functionality of conventional printing.

Producing press-ready plates from your desktop computer eliminates many steps from the prepress process. Less operator involvement and fewer materials are required which means greater accuracy, reduced costs and faster turnaround.

With screen rulings up to 175 lpi, the DPM34 SC/HSC is ideally suited for a wide range of applications—from simple spot color jobs to more intricate process color work. An image area of 12.6" x 19.2" (320 x 489 mm) lets you print two-up, full-bleed.



Patented ThinDrum architecture allows for a high quality machine at an affordable price.

INNOVATIVE THINDRUM TECHNOLOGY PROVIDES A BETTER VALUE

With ThinDrum technology, there's less drum surface area to come into contact with the plate. A support 'rib' forms the plate into the optimal cylindrical shape for imaging; and because it's the reverse side of the plate that's supported, the possibility of the plate's surface being scratched is eliminated.

This innovative design gives you superior image definition and repeatability while maintaining high output speeds. Yet it also allows the DPM34 SC/HSC to be one of the most affordable CTP units available.

SPEED UP PRODUCTION AND DELIVER HIGH QUALITY OUTPUT

Digital platemaking with a DPM makes it possible to handle more jobs with increased efficiency and precision.

There are no intermediate stages as when using film, so you get high quality press-ready materials without the hassle and expense of masking materials and conventional stripping. As a result, less time will be spent checking for job consistency and registration.

When imaging directly to the plate, it is reasonable to expect that a high image quality will be delivered. The plate will also be cleaner. These benefits allow for faster makeready and better quality prints.

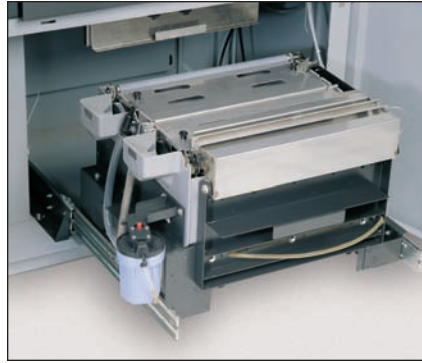
You and your customers will value the exceptional printed materials and quick turnaround that can be delivered.



Over 3,500 DPMs have been successfully installed making the DPM34 SC/HSC the market leader.



With daylight-loading material cassettes, no time is required in the darkroom.



The fully integrated plate processor has easily accessible, deep tanks.



A simple operation panel features one-button control for material functions.

THE PROPER TOOLS INCREASE PRODUCTIVITY

Jobs sent to the DPM are displayed in the RIP queue. There, they can be re-prioritized and stored, if desired, for later re-imaging—saving a trip back to the desktop for reprints.

To ensure perfectly imaged and positioned plates, the RIP includes a unique software feature for plate size and gripper margin setups. Output can be fine tuned to suit the individual characteristics of each press in the shop—dot gain and screening, for example.

Presstek offers a number of optional workflow solutions. Choose the right tools for your production requirements—and budget. Productivity enhancing in-RIP options include color proofing software and a fully automatic trapping solution.

The optional ScanMaster system allows the merging of hard copy originals into an all-digital workflow.

WORLD-CLASS SERVICE

The DPM34 SC/HSC is backed by the world-class service of Presstek—a premier provider of repair and technical service for the graphic arts industry.

We offer scheduled, preventative maintenance and periodic inspections to extend the life of your equipment and ensure it produces the highest quality output. Select from a variety of maintenance agreements that can be customized to meet the needs of your organization.

POLYESTER PLATES HAVE COME OF AGE

With the advent of digital platesetters, polyester plates have become widely accepted throughout the industry for all types of work, including high quality process-color printing.

Plates are conveniently processed on-line in the DPM's completely integrated processor. The processor's shallow path virtually eliminates material jams and scratching.

Polyester digital plates have a high resolution emulsion capable of producing high contrast, sharp images; and they can be run on virtually all offset presses.

By exhibiting excellent water receptivity, they are compatible with a wide variety of dampening systems and inks including oil, rubber and soy base, as well as acrylic, magnetic and web press inks.

DPM users have a choice of two premium plate and chemistry systems: MEGAPRO or

MEGAPrint. Each includes its own plates, activator, stabilizer and fountain solutions which are designed to be used together as a system to produce optimum results.

Polyester plate material is available in two grades. Both MEGAPRO and MEGAPrint 5 mil and 8 mil plates provide run lengths up to 20,000 impressions. Also available is a lower cost 7 mil paper-based material (MEGAPRO only) for runs up to 10,000. This choice lets users select the most suitable material for individual presses and print applications.

The DPM34 HSC offers the option of outputting imagesetting film. This added flexibility allows you to create film for metal plate production for longer print runs or special customer requests. Film, once imaged, is sent to a take-up cassette for off-line processing.

GO ALL-DIGITAL WITH A SCANMASTER SYSTEM

If you need a simple way to incorporate hard copy work into your digital workflow with the least amount of effort, cost and time, ScanMaster System is the solution.



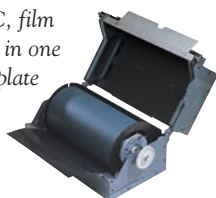
ScanMaster does not merely copy the entire page then send it to a plate. Rather, it lets the user scan-in color and black and white originals—even pre-screened originals—which may include text, line art, halftones, photographs, text on a tinted areas, blocks of color, reverses, etc.

It then allows compilation and fine tuning of the various page elements individually to create the final digital document for plating. All this is done through an easy-to-use graphic interface so there's no need to switch between text, scanning and layout programs.

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Additional supply cassettes are available for purchase which can be helpful for using different plate material at a moment's notice with no stop in the darkroom. For the DPM34 HSC, film can be ready in one cassette and plate material in another.



ABDICK DPM34 SC/HSC SPECIFICATIONS

IMAGING TECHNOLOGY	ThinDrum
IMAGE AREA	12.6" x 19.25" (320 x 489 mm)
PLATE WIDTHS	DPM34 SC: 13.375" (340 mm) DPM34 HSC: 13", 13.2", 13.375" (330 mm, 335 mm, 340 mm)
PLATE LENGTHS	Variable, 12"-20" (305-508 mm) Plate material roll length: 200" (61 m)
PLATE MATERIAL	7 mil Paper (10,000 impressions) 5 and 8 mil Polyester (25,000 impressions)
FILM	DPM34 HSC Only: Red Laser Diode 13.375" x 200' (340 mm x 61 m) (Requires TU2340 Film Take-up Cassette)
PRODUCTION SPEED	DPM34 SC: 20 Plates per hour DPM34 HSC: 40 Plates per hour
PLATE CUTTER	Automatic precision cutting of each plate
PROCESSOR	Internal processor with temperature control and automatic replenishment. 5 Gal. (19 L) activator and stabilizer. Includes activator recirculator & filter to extend chemistry life.
RESOLUTION	2400 dpi; Up to 175 lpi screen ruling
SPOT SIZE	11 Microns
LASER TECHNOLOGY	675nm, 10mW Visible Red Laser Diode; Class 1 laser product according to EN60825-1:1994 (CE/CSA)
RIP	Momentum RIP: Based on Harlequin® ScriptWorks®, PostScript® Level 3
INPUT	Accepts Postscript® and PDF files
OPERATING SYSTEM	Windows® XP Pro with Pentium 4 processor
INTERFACE	10/100 Ethernet
DIMENSIONS (H X W X D)	54" x 45" x 30" (43" D with plate catcher) (137 x 114 x 76 cm) (109 cm D with catcher)
WEIGHT	650 lbs. (295 Kg)
ELECTRICAL REQUIREMENTS	200-240V AC 50/60Hz; 20 Amps @ 60Hz; 16 Amps @ 50Hz
PLUMBING/VENTILATION	None required

OPTIONAL ACCESSORIES

Densitometer, ScanMaster System, In-RIP Proofing Software, Inkjet Proofer, In-RIP Trapping Software, Film Take-Up Cassette (for DPM34 HSC only), Additional Supply Cassettes (one is included with machine)

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ABDICK DPM34 SC/HSC SUPPLIES

MEGAPRO PLATES (USE WITH MEGA CHEMISTRY)

8MIL POLYESTER PLATES (RATED FOR RUN LENGTHS UP TO 20,000)

SC34813-M	MEGAPRO 8MIL Poly 13" x 200' Matte (DPM34 HSC Only)	1 Roll
SC34832-M	MEGAPRO 8MIL Poly 13.2" x 200' Matte (DPM34 HSC Only)	1 Roll
SC34833-M	MEGAPRO 8MIL Poly 13-3/8" x 200' Matte	1 Roll

5MIL POLYESTER PLATES (RATED FOR RUN LENGTHS UP TO 20,000)

SC34513	MEGAPRO 5MIL 13" x 200' (DPM34 HSC Only)	1 Roll
SC34533	MEGAPRO 5MIL 13-3/8" x 200'	1 Roll

7MIL PAPER PLATES (RATED FOR RUN LENGTHS UP TO 10,000)

SC34713	MEGAPRO Paper 13" x 200' (DPM34 HSC Only)	1 Roll
SC34733	MEGAPRO Paper 13-3/8" x 200'	1 Roll

MEGA CHEMISTRY

38750	MEGA Activator	Case of 4 Gallons
38745	MEGA Activator	5 Gallon Cubitainer
38756	MEGA Stabilizer	Case of 4 Gallons
38753	MEGA Stabilizer	5 Gallon Cubitainer
38776	MEGA Fountain Solution	Case of 6 Quarts
38773	MEGA Fountain Solution	Case of 4 Gallons
38778	MEGA CMS+ Fountain Solution	1 Gallon
38766	MEGA Etch	Case of 6 Quarts
38774	MEGA Plate System Deletion Pen/Medium	3 / Box

MEGAPRINT PLATES (USE WITH MEGAPRINT CHEMISTRY)

8MIL POLYESTER PLATES (RATED FOR RUN LENGTHS UP TO 20,000)

702-34813	MEGAPrint 13" x 200'	1 Roll
702-34832	MEGAPrint 13.2" x 200'	1 Roll
702-34833	MEGAPrint 13-3/8" x 200'	1 Roll

5MIL POLYESTER PLATES (RATED FOR RUN LENGTHS UP TO 20,000)

702-34513	MEGAPrint 13" x 200'	1 Roll
702-34533	MEGAPrint 13-3/8" x 200'	1 Roll

MEGAPRINT CHEMISTRY

70203	MEGAPrint Activator	(4) 5 Liters
70205	MEGAPrint Stabilizer	(4) 5 Liters
70212	MEGAPrint Conventional Fountain Solution	(4) 5 Liters
70211	MEGAPrint Integrated Dampener Fountain Solution	(4) 5 Liters
70215	MEGAPrint Image Deletion Pens	Package of 3

NEGATIVE IMAGESETTING LASER FILM AND CHEMISTRY

SC34633	Laser Film 13-3/8" x 200' DPM34HSC (DPM34 HSC Only)	1 Roll
55050	Image Series Pre-Mixed Developer (Off-line Processor)	(4) 5-Quart Bottles
55055	Image Series Pre-Mixed Developer (Off-line Processor)	5 Gallon Cube
26101	Camera Processor Pre-Mixed Fixer (Off-line Processor)	(4) 5-Quart Bottles
26131	Camera Processor Pre-Mixed Fixer (Off-line Processor)	5 Gallon Cube
55060	C-Dev Concentrated Developer (Off-line Processor)	(4) 5-Quart Bottles
55065	C-Dev Concentrated Developer (Off-line Processor)	5 Gallons
55070	C-Fix Concentrated Fixer (Off-line Processor)	Case of 4 Gallons
55075	C-Fix Concentrated Fixer (Off-line Processor)	5 Gallons

OTHER SUPPLIES & ACCESSORIES

SUPCST34SC	Extra Reloadable Cassette for DPM34 SC	Each
SUPCST34HSC	Extra Reloadable Cassette for DPM34 HSC	Each
TU2340	Film Take-up Cassette	Each
2340-AF	Air Filters for DPM34 SC/HSC	2 / Case
2340-PF	Processor Filters for DPM34 SC/HSC	2 / Case
TE4097	Exposure Magnifier/30x Illuminated Pocket Microscope	Each
50000	Chemgon Waste Treatment	1 Box

BUY SUPPLIES ONLINE 24/7

Visit shop.presstek.com to browse and purchase supplies for your DPM34 SC/HSC as well as a wide range of additional pressroom supplies, parts and small equipment products. Log in to access customer-specific pricing, view current product promotions, build a custom 'My Supply List' and much more! It's fast, easy and secure.

PLATE CHEMISTRY DISPOSAL



Chemgon® Waste Treatment: provides an economical and safe method for the alteration and subsequent disposal of hazardous liquid waste generated by graphic arts processing equipment.

When used correctly (a 50/50 mixture of activator/stabilizer or developer/fixer added to the Chemgon® container), Chemgon Waste Treatment alters hazardous photochemical waste to render it non-hazardous to the environment. Its powdered resin solidifies, binds and encapsulates chemical waste for safe disposal. Always check with local EPA authorities regarding any waste disposal method.

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