

ABDick 9985 Two-Tower Offset Press



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Suitable for spot, multi and process color printing, the ABDick 9985 is a true two-color offset press equipped with an array of features that simplify operation and consistently deliver high quality output. Excellent reproduction can be achieved with a minimum of operator skills.

A built-in micro-computer provides centralized push-button control of many press functions. A single lever controls dampening, inking, image transfer and paper feed. At the end of a specified run length, all machine functions are automatically returned to the start position to maximize productivity.

Fine adjustments can make a noticeable difference in print quality. The 9985 allows precise adjustment of the vertical image. Blanket cleaning is not required after vertical adjustment reducing make-ready time. Lateral image adjustments can be made 'on the fly'—another time-saving feature.

The printing heads feature a unique V-shaped, five-cylinder design that incorporates two plate cylinders and two blanket cylinders. Separate blanket cylinders ensure there's no ink migration for consistent color throughout the run.

A double surface impression cylinder allows two colors to be printed without a gripper change to ensure tight registration. A separate transfer cylinder promotes accurate paper registration.



The alternate side-to-side push guide allows paper to be registered to a common edge when printing on both sides of the sheet—perfect for work-and-turn jobs.

Twelve suction feet combined with air blowers on the paper pile ensure accurate feeding at low to high speeds with stock ranging from onionskin to cover weight.

Double sheet detection/elimination automatically diverts doubles to a receiving tray without interrupting the press run.

The 9985 accepts sheets up to 13-3/8" x 17-3/4" (340 x 451 mm) with an image area of 13" x 17-1/4" (330 x 438 mm). Print full-bleed 11" x 17" (279 x 432 mm) jobs with plenty of room for registration marks.



The 9985 comes with a hand-operated punch. Upgrade to the high-precision optical punch (shown) for highly accurate results. This unit lets the operator line up the image optically to the targets on a plate.



Consider the video plate punch for further efficiency and precision. The plate image is magnified 40x and displayed on video monitors making it easy to perfectly align register targets in a fraction of the time.



The 9985 press features two easily accessible individual printing heads. Each one can be operated independently for producing single-color work or simultaneously for two-color applications.



Dampening, inking, image transfer and paper feed are controlled by a single lever which automatically returns to the initial position and stops the press at the preset number of sheets.



Pre-piling enhances productivity by allowing the operator to preload paper on the lower table while the machine continues to run.



Straight-edge plate clamps with positioning pins are featured. Cylinder safety bars and covers protect fingers.



Segmented Lever Actuated Ink Fountains add a great deal of automation for increased productivity and fewer wasted sheets.



For added convenience, the 9985's chain delivery has an automatically receding paper platform that can be wheeled-away.

INKING SYSTEM DELIVERS EXCELLENT RESULTS WITH LESS EFFORT

9985 presses are equipped with segmented lever-actuated ink fountains. Split segments are laser cut into the ink blade so that each region operates independently against the fountain roll. This results in more precise ink control in each zone.

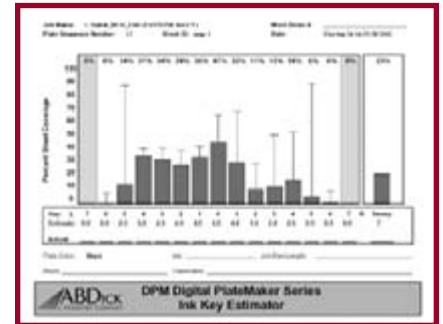
Calibrated setting numbers provide a good starting place for ink densities. Graduated levers make it possible to quickly profile the current ink supply; and by raising or lowering the levers, an operator can easily make adjustments to the flow of ink for better color control and image consistency.

This system interfaces seamlessly with the optional IKE software for ABDick DPM digital platesetters.

Ink Key Estimator (IKE) significantly reduces make-ready time by estimating ink fountain key settings for first-run print jobs—before a single sheet has been run through the press. It allows you to get the best coverage using the least amount of ink which promotes a high quality image with less set-off and faster drying times.

IKE analyzes the light and dark areas in each process color separation of a job, and based on the image data, estimates the appropriate fountain settings for each ink key region.

The data is delivered on a print-out (right), which the operator uses as a guide while manually setting ink keys on the segmented

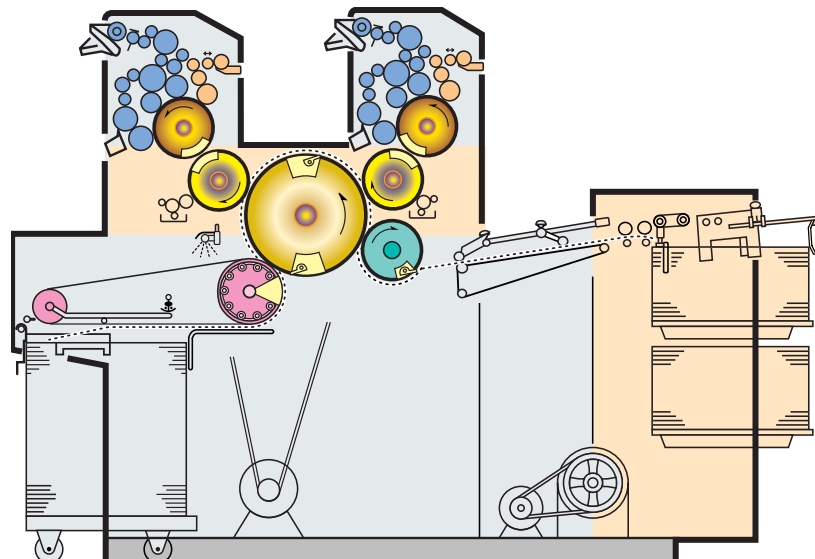


lever-actuated ink fountain. If adjustments are made during the run, the new values can be noted and saved with the job information for quick, consistent re-runs.

IKE, which works only on a DPM RIP, also determines the optimal ink fountain roller sweep (duration ink is applied) that controls the overall ink densities.



Each printing head has 16 inking rollers including 3 form rollers of differing diameters. The 'stepless' inking and 5-roller molleton dampening system allows maximum control of the printed image.



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ABDICK 9985 OFFSET PRESS SPECIFICATIONS

MAXIMUM PAPER SIZE	13-3/8" x 17-3/4" (340 x 451 mm)
MINIMUM PAPER SIZE	3-1/2" x 5" (89 x 127 mm)
MAXIMUM IMAGE AREA	13" x 17-1/4" (330 x 438 mm)
PAPER THICKNESS	.0016"-.012" (.04-.3 mm)
PLATE SIZE	13-3/16" x 19-3/32" (335 x 485 mm)
PLATE CLAMP TYPE	Straight edge plate clamp with register pins
GRIPPER MARGIN	5/16" (8 mm)
PRINTING SPEED	3,000-10,000 Sheets per hour
PAPER FEED SYSTEM	Universal feeder (12 suction feet)
FEEDER PILE SYSTEM	Pre-pile, capacity 17.3" (440 mm)
PAPER DELIVERY SYSTEM	Chain delivery, capacity 20" (508 mm)
REGISTRATION SYSTEM	Push side guide
IMAGE ADJUSTMENT	Vertical (precise): ± 0.75" (± 19 mm) Lateral (on-the-fly): ± 0.08" (± 2 mm)
DAMPENING SYSTEM	Molleton, segregated
ROLLERS	16 Ink rollers (3 form) (each tower) 5 Dampening rollers (1 form) (each tower)
DIMENSIONS (LxWxH)	86-3/4" x 38" x 61-1/2" (220 x 96.5 x 156 cm)
WEIGHT	2780 lbs. (1260 kg)
ELECTRICAL REQUIREMENTS	Single Phase, 220V, 12 Amp; 50/60Hz

STANDARD FEATURES

- Impression cylinder pressure control
- Ink roller cleaning attachment
- Register punch with pre-register system (manual hand punch)
- Automatic ink ductor control
- Ink volume stepless sweep adjustment
- Plate cylinder predetermined position stop
- Centralized microprocessor control
- Double sheet detector/eliminator
- Jam detection (feeder, blanket and delivery sections)
- Alternate side-to-side push guide for work-and-turn applications
- On-the-fly lateral image adjustment
- Precise vertical image adjustment
- Pre-pile capability w/2 paper tables
- Chain delivery with 2 dollies
- Delivery pile automatic receding stacker and lower limit switch
- Static eliminator on feeder
- Anti-offset powder spray unit
- Preset repeat counter with batch function (electronic, 5 digits)
- Machine counter (total number of rotations, 8 digits, non-resettable)
- Emergency stop buttons (at each printing unit and delivery sections)
- Safety covers
- Cylinder safety bars
- Centralized lubrication system
- Oil pans (2)
- Standard tool kit
- Work organizer
- Blanket wash plunger can

OPTIONAL ACCESSORIES

1-3891 Infrared/powder spray 220V, 50/60Hz	43296 Register marking device
1-3887 Powder spray 110V	42006 Print counter (total number of printed sheets, 8 digits, non-resettable)
42004 High precision optical punch	P0500 Kompac dampener with Kolormate (2 units)
49001 Video register punch	P0191 Crestline dampener (2 units)
43277 Card guide	43293 Tape inserter
42005 Multi-size paper pile board	43362 Super Blue cylinder
43297 Quick release blanket holders	43281 Oil pan
43294 Automatic blanket cleaner (2 units)	

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SUPPLIES

SUBTRACTIVE METAL PLATES

57527 Matte Blue 5mil 13-3/16" x 19-3/32" (335 x 485 mm)	Pkg	50/Pkg
59614 Itek 6mil Grained 13-3/16" x 19-3/32" (335 x 485 mm)	Pkg	100/Pkg
83-8-108561 Triton Blue SC XLR-1 8mil 13-3/16" x 19-3/32" (335 x 485 mm)	Pkg	60/Pkg

CHEMISTRY FOR SUBTRACTIVE PLATES

58184 Itek Subtractive Plate Developer for Grained Plates	Gal	4/Cs
57183 Itek Subtractive Plate Finisher	Gal	4/Cs
57184 Itek 2-in-1 Developer	Gal	4/Cs
59184 Itek 2-in-1 Developer for Grained Plates	Gal	4/Cs
K1TCZ000 Triton Blue Developer/Finisher	5 Liter Btl.	4/Cs
4-1320 ABDick Subtractive Plate Gum	Gal	4/Cs
4-9970 Metal Plate Image Remover Pen	Each	12/Cs
4-8014 Presensitized Plate Cleaner	Quart	6/Cs

POLYESTER PLATES, CHEMISTRY AND ACCESSORIES

For high quality, short-run, multi-color work, try these polyester plates and chemistries: ABDick MEGAPlus, MEGAPro, MegaPrint or QuickSilver Next Generation. Contact your ABDick representative or visit shop.abdick.com for the correct plate product to fit your platemaking system and printing requirements.

SBF-330440 MEGA Slip-back Film 13" x 17.32" x .0039" (330 x 440 x .1 mm)	2/Pkg	Pkg
43493 Masking Paper 13-1/2" x 19-1/2" (343 x 495 mm)	100/Box	5/Cs

PRESS BLANKETS

43297 Quick Release Blanket Holder (order 1 set per tower)	Each	Each
43298-P Conventional Quick Release Blanket w/Aluminum Bar	Case	2/Cs
43456-P Compressible Blanket (.098) 13" x 19-1/2" (330 x 495 mm)	Case	2/Cs
43457-P Hard Blanket (.065)	Case	2/Cs
43458 Mylar Packer (.035)	Each	2/Cs
43461-P Quick Release Packer	Case	2/Cs
4-6010 Blanket Fix Gel	Bottle	12/Cs

FOUNTAIN CONCENTRATE / ADDITIVES

4-1185 PROformace Fountain Concentrate pH 4.3-4.5	Gal	4/Cs
4-1195 Universal Fountain Concentrate pH 5.6-6.0	Gal	4/Cs
38778 MEGA CMS+ Fountain Concentrate pH 4.0	Gal	1/Cs
38704 Silver-Wet Fountain Wetting Additive for MEGA Plates	Case	6/Cs

ALCOHOL / REPLACEMENT

4-1172 Isopropyl Alcohol	Gal	1/Cs
4-1177 Isopropyl Alcohol Substitute	Gal	4/Cs
4-1275 SureDot Alcohol Replacement	Gal	4/Cs
38702 Silver-Sub Alcohol Replacement	Liter	6/Cs

ETCH

4-1015 Blue Etch	Gal	4/Cs
38766 MEGA Etch	Case	6 Qts/Cs

BLANKET / ROLLER WASH

4-1235 Automatic Blanket Wash	Gal	4/Cs
4-1200 Safety Zone Blanket Wash	Gal	4/Cs
4-1238 SureDot Watermiscible Blanket Wash (Pre-Diluted)	(2) 2.5Gal	Case
4-1248 SureDot Watermiscible Blanket Wash (Concentrated)	5 Gal	Each
4-4315 Blanket Wash	Gal	4/Cs

ROLLER MAINTENANCE SUPPLIES

36797 Cleaner Sheets 13-5/8" x 19-3/8" (346 x 492 mm)	100/Pkg	5/Cs
4-1249 SureDot Meter Water Roll Cleaner	Quart	4/Cs
83-5-101395 Chrome Cylinder Cleaner	Pint	12/Cs
4-4968 Glaze Remover	Pint	2/Cs
4-4970 Ink Roller Desensitizer	Pint	12/Cs
4-4976 Ink Roller Conditioner	16 oz/Btl	4/Cs
4-4978 Ink Roller Paste Deglazer	17 oz/Btl	6/Cs
4-4983 Ink Roller Cleaner	7 oz/Btl	6/Cs

MISCELLANEOUS SUPPLIES

3-3598 Roller Lube	Quart	Each
4-4931 Cotton Pads 4" x 4" (101 x 101 mm)	100/Pkg	20/Cs
4-4940 Heavy Duty Shop Towel Bundles	375/Cs	Case
4-4945 Heavy Duty Shop Towel Rolls	2 Roll/Cs	Case
4-4991 Vinyl Glove (Medium)	100/Box	10/Cs
4-4992 Vinyl Glove (Large)	100/Box	10/Cs
4-4938 Hand Cleaner	12 oz/Btl	12/Cs
4-4939 Hand Cleaner With Pump	1/2 Gal/Btl	6/Cs
4-4988 Grit Hand Cleaner	17 oz/Btl	6/Cs
4-1362 Kresto EF Hand Cleaner (250ml)	Tube	24/Cs
4-1363 Kresto Kwik Wipes	130/Bucket	4/Cs
4-4943 HandyKlnz Moist Wipes 9.8" x 11.8" (249 x 300 mm)	70/Bucket	6/Cs
4-1370 Scrubs in a Bucket (3 lb. Bucket)	72/Bucket	6/Cs
4-3800 Offset Spray Powder/25 Micron	5 lb	Box
9-1003-EA Squeeze Bottle	Bottle	24/Cs
9-2255 Stouffer Gray Scale	Each	Each
5601 Super Blue Replacement Net	Kit	6/Kit

Some products listed above are available in larger quantities. For a complete list of 9985 Offset Press and other supplies and pressroom products, visit us online at shop.presstek.com where you can browse the entire catalog and place orders 24/7.

