

SPORTSMAN™ DPE



Automatic Screen Printing Press



FEATURES

- 8 colors & 18 stations
- Standard image area 41 x 46 cm (16" x 18")
- Maximum image area 76 x 72 cm (30" x 28.5")
- Standard pallet size 41 x 56 cm (16" x 22")

The Sportsman DPE automatic screen printing press has the same simplicity of operation and performance-proven dependability as the Sportsman EX, but with room to place flash cure units between screen print stations. Sportsman DPE's eight printheads and 18 stations enable users to flash between each printhead and still print up to eight colors. Sportsman DPE has a maximum print stroke length of 72 cm (28.5") and a standard image area of 41 x 46 cm (16" x 18"). Maximum image area without flash cure units in place is an impressive 76 x 72 cm (30" x 28.5"). All models feature servo-driven indexers, electric printheads, and multiple print-stroke capability.

This automatic screen printing machine is compatible with M&R's Tri-Loc® Rapid Registration Systems. Pneumatic clamps hold frames tight and allow rapid screen loading. The squeegee/floodbar park feature facilitates setup and tear-down by simultaneously retracting the squeegee and floodbar and then moving them to the outside edge of the press for easy access. Independent squeegee & floodbar speed adjustments, adjustable rear screen holders, independently-set angle and calibrated pressure adjustments, and independent

print, reset, and print/flood speed controls on each printhead further simplify setup and increase screen print results. Other standard features include a 14 cm (5.7") color touchscreen display, onboard self-diagnostics, real-time production data, and an independent print-start/print-finish setting that automatically activates and stops printheads at the beginning and end of screen printing runs.

Also standard are a tool-free pallet locator system, quick release pallet locks, digital squeegee/floodbar speed display, and enhanced front micro-registration adjustments. Central Off-Contact permits fast adjustment of all screen printing stations simultaneously. M&R's Optical No-Shirt Detector (optional) minimizes the misprints and press stoppage that result from improper shirt loading. M&R's Revolver Print Program™ automatically operates individual printheads in programmed sequence and allows multiple flashing without losing a screen printing position. With its user-friendly touch-screen display; extensive standard-feature set; and ability to cure after each of eight colors in a single rotation, the Sportsman DPE automatic screen printing press is ideal for those seeking unprecedented affordability and versatility.

www.mrprint.com
store.mrprint.com

SPORTSMAN™ DPE

STANDARD FEATURES

CAROUSEL/INDEXER

- Clockwise or counterclockwise rotation
- Freewheel capability

CENTRAL OFF-CONTACT

- Permits fast, incremental single-lever adjustment of all stations simultaneously

CERTIFICATION

- CE Certified: Built to specifications established by the European Committee for Standardization® (CE)

CONTROL CENTER

- 14 cm (5.7") color touchscreen display
- Countdown program indicates when operator-set index count has been reached
- Independent print-start/print-finish setting automatically activates and stops printheads at the beginning and end of screen printing runs
- Maintenance Minder™ System alerts operators when scheduled maintenance is due
- Multiple (1-9) print stroke capability
- Onboard self-diagnostics
- Provides control of multi-print functionality
- Real-time production data

INDEX SYSTEM

- Servo drive is standard
- Servo drives combine higher screen printing press speeds with exceptional smoothness, consistency, and longevity

PALLET SYSTEM

- Precise three-point pallet leveling system
- Tool-free pallet locator speeds pallet changeover
- Tool-free quick release pallet locks

PALLETS

- Solid-aluminum, low-profile, rubber-coated screen printing pallets

PRINTHEADS

- Brushless and maintenance-free electric-drive motors deliver smooth screen print strokes and exceptional control
- Four-point off-contact adjustment
- Independent print button on each printhead
- Independent print/flood speed controls on each printhead simplify press setup
- Independent reset button on each printhead allows operator to lower the pallets and freewheel the carousel
- Multi-print without lowering the indexer

REGISTRATION

- Compatible with M&R's Tri-Loc® Rapid Registration System
- Enhanced front micro-registration adjustments with visual guides

REVOLVER PRINT PROGRAM

- Automatically operates individual printheads in programmed sequence and allows multiple flashing without losing a screen printing position
- Touchscreen display with simplified programming provides easy setup of the Revolver Sequencing Program

SCREEN CLAMPS & HOLDERS

- Adjustable rear screen holders accommodate a wide variety of screen sizes
- Clamping system holds roller frames without special adapters
- Flip-up front screen holders speed setup
- Pneumatic clamps hold frames tight and allow rapid screen loading

SQUEEGEE/FLOOBBAR

- Angle and calibrated pressure adjustments are independently set
- Digital squeegee/floodbar speed display
- Front or rear print carriage stop position allows operator to leave screens clear or flooded (great for water-based inks)
- Independent squeegee & floodbar speed adjustments
- Park feature facilitates setup and tear-down by simultaneously retracting the squeegee and floodbar and then moving them to the outside edge of the press for easy access
- Pneumatic squeegee/floodbar locks with tool-free angle adjustment
- Squeegee air regulator with a pressure gauge on each printhead
- Visual reference marks every 5 degrees simplify squeegee/floodbar angle adjustments

STROKE LENGTH ADJUSTMENT

- Calibrated front & rear stroke length with tool-free adjustment maximizes screen printing speed

WARRANTY, SERVICE AND SUPPORT

- 24-hour hotline is staffed 365 days a year
- Access to M&R's Training Center
- Parts & supplies are available online at store.mrprint.com
- Two-year limited warranty

OPTIONS

FOLD-DOWN PRINthead SUPPORTS

- Enable easy loading of screens more than 71 cm (28") wide

FOOT PEDAL CONTROL

- Allows indexing of the press using a foot pedal
- Skip-Shirt foot pedal feature allows operators to avoid screen printing on empty pallets

OPTICAL NO-SHIRT DETECTOR

- Automatically prevents the press from screen printing on empty pallets
- Reduces misprints and minimizes press stoppage because of improperly loaded shirts

PALLETS

- M&R aluminum pallets and platens come in a wide range of sizes and styles

REGISTRATION

- Locking rear micro-registration

SPECIFICATIONS

	Sportsman DPE
Air @ 6,9 bar (100 psi)	255 l/min (9 cfm)
Diameter	524 cm (17' 2")
Electrical Requirements ¹	380-415 V, 3 ph, 11 A, 50/60 Hz, 4.1 kW
Maximum Frame Size (without Flash Cure Units)	94 x 110.5 x 3.8 cm (37" x 43.5" x 1.5")
Maximum Image Area (without Flash Cure Units)	76 x 72 cm (30" x 28.5")
Maximum Print Stroke Length	72 cm (28.5")
Shipping Weight	2950 kg (6504 lbs)
Standard Frame Size (with Flash Cure Units)	58 x 84 x 3.8 cm (23" x 33" x 1.5")
Standard Image Area (with Flash Cure Units)	41 x 46 cm (16" x 18")
Standard Pallet Size	41 x 56 cm (16" x 22")
Stations/Colors	18/8

¹ If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly. Other electrical configurations are available. Contact M&R for details



The M&R Companies
M&R • NUARC • AMSCOMATIC

M&R Sales and Service, Inc. 1N372 Main Street, Glen Ellyn, Illinois 60137-3576 USA

USA: 800-736-6431 / 630-858-6101 / Fax: 630-858-6134 • Outside USA: +1-847-967-4461 / Fax: +1-847-967-0417

M&R Printing Equipment, Inc. and its subsidiaries (hereinafter M&R), believe the information in this advertisement to be accurate at publication, though it does not purport to list all manufacturing and specification variations, nor does it assume liability resulting from incompleteness or inaccuracy. M&R reserves the right to change specifications without notice. M&R expressly disclaims any liability for damages, consequential or incidental, from purchase, installation, servicing, and/or use of any product/service based upon information herein. No warranties of merchantability or fitness for a particular purpose are made or are to be implied from the information herein. No information herein may be reproduced or used in any manner without the prior, express written consent of M&R in each case. Copyright 2015 M&R Printing Equipment, Inc. All rights reserved. 20150608