SPORTSMAN™ EXG

Automatic Screen Printing Press

FEATURES

- 12 & 14 colors
- Maximum image area 51 x 51 cm (20" x 20")
- Sportsman EXG occupies the sweet spot where press size, image area, print speed—and price—converge

M&R's Sportsman EXG automatic screen printing press is exceptionally fast, with a large 51 x 51 cm (20" x 20") maximum image area, compact footprint, and aggressive pricing. It's available in 12 and 14-color models and offers a wide array of standard features, starting with a servo-driven indexer that combines higher screen printing speeds with exceptional smoothness, consistency, and longevity; variable-speed electric printheads for smooth print strokes and exceptional control; central off-contact for fast, incremental single-lever adjustment of all stations simultaneously; and a color touchscreen control panel with graphical display that provides onboard self-diagnostics, real-time production data, and user-friendly control over most press functions. M&R's exclusive Maintenance Minder™ System alerts operators when scheduled maintenance is due. Sportsman EXG's capacity for screen frame sizes up to 66 x 91 cm (26" x 36") gives screen printers the ability to utilize their stock screen inventories.

Sportsman EXG also offers digital squeegee/floodbar speed display, independent print-start/print-finish, and multiple print-stroke capability. M&R's Laser Locator System speeds pallet positioning and changeover, and it assists operators in the precise positioning of garments and cut-piece goods. 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. Adjustable rear screen holders, quick-release pallet locks, pneumatic screen clamps, and pneumatic squeegee/floodbar locks further simplify setup and teardown. Independent print,

reset, and print/flood speed controls on each printhead; independent squeegee & floodbar speed adjustments; independently-set angle and calibrated squeegee and floodbar pressure adjustments; and a squeegee air regulator with a pressure gauge on each printhead deliver the speed and print quality that professional screen printers demand. M&R's Revolver Print Program™ automatically operates individual printheads in programmed sequence and allows multiple flashing without losing a printing position, giving screen printers a level of flexibility unavailable on other screen printing presses. Sportsman EXG features enhanced front micro-registration adjustments with visual guides and locking rear micro-registration to simplify setup. The combination of Sportsman EXG's sophisticated registration features and M&R's Tri-Loc® Rapid Registration System can reduce setup time by up to 95 percent.

The Sportsman EXG automatic screen printing machine is so fully equipped with standard features that there are only two options: M&R's Foot Pedal Control and M&R's Optical No-Shirt Detector. The Skip-Shirt Foot Pedal feature allows operators to prevent the press from screen printing on empty pallets. The Optical No-Shirt Detector handles the task automatically. With its large print size, exceptional speed, and long list of standard features, the affordable Sportsman EXG automatic screen printing press is the ideal addition to any size shop. If you're looking for the sweet spot where press size, image area, print speed—and price—converge, you'll find it in M&R's Sportsman EXG.

www.mrprint.com
store.mrprint.com

SPORTSMAN™ EXG

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 & UL compliant: Built to specifications established by the European Committee for Standardization® (CE) and Underwriters Laboratories® (UL)

CONTROL CENTER
- Countdown program indicates when operator-set index count has been reached
- Digital touchscreen control panel with icon-based labeling can display information and commands in multiple languages
- 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
- Multi-print in the up position
- Onboard self-diagnostics
- Real-time production data
- Test print setting turns individual printheads on/off during test print cycle

INDEX SYSTEM
- Double-Index feature allows a larger maximum image area when using alternating printheads
- 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
- Four-point off-contact adjustment
- Independent print and reset buttons 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
- Variable-speed motors deliver smooth print strokes and exceptional control

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

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 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/FLOODBAR
- 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

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

SPECIFICATIONS

	Sportsman EXG 14/12	Sportsman EXG 16/14
Air @ 6,9 bar (100 psi)	510 l/min (18 cfm)	510 l/min (18 cfm)
Diameter	518 cm (17')	561 cm (18' 5")
Electrical Requirements [1]	208/230 V, 3 ph, 42 A, 50/60 Hz, 7.8 kW 380/415 V, 3 ph, 23 A, 50/60 Hz, 7.8 kW	208/230 V, 3 ph, 48 A, 50/60 Hz, 8.5 kW 380/415 V, 3 ph, 25 A, 50/60 Hz, 8.5 kW
Maximum Frame Size	66 x 91 x 5 cm (26" x 36" x 2")	66 x 91 x 5 cm (26" x 36" x 2")
Maximum Image Area	51 x 51 cm (20" x 20")	51 x 51 cm (20" x 20")
Shipping Weight	2773 kg (6100 lb)	3068 kg (6750 lb)
Standard Pallet Size	41 x 56 cm (16" x 22") 56 x 63 cm (22" x 25")	41 x 56 cm (16" x 22") 56 x 63 cm (22" x 25")
Stations/Colors	14/12	16/14

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

M&R Sales and Service, Inc. 440 Medinah Road, Roselle, Illinois 60172-2329 USA
USA: 800-736-6431 / 630-858-6101 • **Outside USA:** +1-847-967-4461 • **FAX:** 630-858-6134

The M&R Companies