

SPORTSMAN™ EX



Automatic Screen Printing Press



FEATURES

- 6-12 colors
- Maximum image area:
41 x 46 cm (16" x 18"), 51 x 51 cm (20" x 20")
or 51 x 71 cm (20" x 28")
- Standard pallet size:
41 x 56 cm (16" x 22"), 56 x 63 cm (22" x 25") or 56 x 76 cm (22" x 30")

M&R's Sportsman EX automatic screen printing presses offer exceptional value and quality at an amazingly affordable price. Sportsman EX 1618 is available in 6, 8, and 10-color models with a maximum image area of 41 x 46 cm (16" x 18"). Sportsman EX 2020 is available in 6, 8, 10, and 12-color models with a maximum image area of 51 x 51 cm (20" x 20"). Sportsman EX 5070, featuring double indexing and designed specifically for cut-piece printing, is available in 6, 8, 10, and 12-color models with a maximum image area of 51 x 71 cm (20" x 28"). All Sportsman EX screen printing machines feature electric printheads, servo-driven indexers, multiple print-stroke capability, and a new color touchscreen interface with graphical displays and icon-based labeling that can show information and commands in numerous languages, simplifying screen printing and training anywhere in the world. Also included are onboard self-diagnostics and real-time production data display. Sportsman EX 5070 features head supports and strengthened pallet arms for added stability.

The presses are compatible with M&R's Tri-Loc® Rapid Registration System. 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. 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, pneumatic squeegee/floodbar locks with tool-free angle adjustment, squeegee air regulators with pressure gauges on each printhead, independently-set angle and calibrated pressure adjustments, and independent print, reset, and print/flood speed controls on each printhead further simplify setup.

Also standard are enhanced front micro-registration adjustments and digital squeegee/floodbar speed displays that enable easy, accurate speed adjustments at a glance. Central Off-Contact permits fast adjustment of all stations simultaneously. M&R's Revolver Print Program™ automatically operates individual printheads in programmed sequence and allows multiple flashing without losing a printing position. Optional features include M&R's Optical No-Shirt Detector, which minimizes the misprints and press stoppage that result from improper shirt loading. With their user-friendly touchscreen display and extensive standard-feature set, Sportsman EX automatic screen printing presses are ideal for those seeking unprecedented affordability and versatility.

www.mrprint.com
store.mrprint.com

SPORTSMAN™ EX

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)
- UL Listed: Built to specifications established by 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
- Onboard self-diagnostics
- Provides control of multi-print functionality
- Real-time production data

DESIGN & CONSTRUCTION

- Built of heavy-duty steel and premium components

INDEX SYSTEM

- Double index capability (Sportsman EX 5070 only)
- Servo drives combine higher screen printing press speeds with exceptional smoothness, consistency, and longevity

LASER LOCATOR SYSTEM

- Assists operators in the precise positioning of garments and cut pieces
- Speeds pallet positioning and changeover

PALLET SYSTEM

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

PALLETS

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

PRINTHEADS

- Electric printheads with variable-speed motors provide smooth 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 screen printing 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
- 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 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/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 & 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
- Sportsman EX 1618 & 2020: Two-year limited warranty
- Sportsman EX 5070: One-year limited warranty

OPTIONS

DESIGN & CONSTRUCTION

- Designed & disassembled to fit through a 97 cm (38") doorway

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 EX 1618 8/6	Sportsman EX 1618 10/8	Sportsman EX 1618 12/10	Sportsman EX 2020 8/6	Sportsman EX 2020 10/8	Sportsman EX 2020 12/10	Sportsman EX 2020 14/12	Sportsman EX 5070 8/6	Sportsman EX 5070 10/8	Sportsman EX 5070 12/10	Sportsman EX 5070 14/12	
Air @ 6.9 bar (100 psi)	198 l/min (7 cfm)	255 l/min (9 cfm)	255 l/min (9 cfm)	198 l/min (7 cfm)	255 l/min (9 cfm)	255 l/min (9 cfm)	368 l/min (13 cfm)	227 l/min (8 cfm)	227 l/min (8 cfm)	326 l/min (11.5 cfm)	326 l/min (11.5 cfm)	
Diameter	358 cm (11' 9")	386 cm (12' 8")	422 cm (13' 10")	386 cm (12' 8")	424 cm (13' 11")	471 cm (15' 5")	518 cm (17')	411 cm (13' 6")	461 cm (15' 2")	503 cm (16' 6")	551 cm (18' 1")	
Electrical Requirements ¹	208/230 V, 1 ph, 31 A, 50/60 Hz, 3.3 kW 208/230 V, 3 ph, 20 A, 50/60 Hz, 3.3 kW 380/415 V, 3 ph, 10 A, 50/60 Hz, 3.3 kW	208/230 V, 1 ph, 38 A, 50/60 Hz, 3.9 kW 208/230 V, 3 ph, 22 A, 50/60 Hz, 3.9 kW 380/415 V, 3 ph, 11 A, 50/60 Hz, 3.9 kW	208/230 V, 1 ph, 43 A, 50/60 Hz, 4.6 kW 208/230 V, 3 ph, 28 A, 50/60 Hz, 4.6 kW 380/415 V, 3 ph, 14 A, 50/60 Hz, 4.6 kW	208/230 V, 1 ph, 31 A, 50/60 Hz, 3.3 kW 208/230 V, 3 ph, 20 A, 50/60 Hz, 3.3 kW 380/415 V, 3 ph, 10 A, 50/60 Hz, 3.3 kW	208/230 V, 1 ph, 38 A, 50/60 Hz, 3.9 kW 208/230 V, 3 ph, 22 A, 50/60 Hz, 3.9 kW 380/415 V, 3 ph, 11 A, 50/60 Hz, 3.9 kW	208/230 V, 1 ph, 43 A, 50/60 Hz, 4.6 kW 208/230 V, 3 ph, 28 A, 50/60 Hz, 4.6 kW 380/415 V, 3 ph, 14 A, 50/60 Hz, 4.6 kW	208/230 V, 1 ph, 46 A, 50/60 Hz, 6 kW 208/230 V, 3 ph, 30 A, 50/60 Hz, 6 kW 380/415 V, 3 ph, 17 A, 50/60 Hz, 6 kW	208/230 V, 1 ph, 31 A, 50/60 Hz, 3.3 kW 208/230 V, 3 ph, 20 A, 50/60 Hz, 3.3 kW 380/415 V, 3 ph, 10 A, 50/60 Hz, 3.3 kW	208/230 V, 1 ph, 38 A, 50/60 Hz, 4.6 kW 208/230 V, 3 ph, 22 A, 50/60 Hz, 3.9 kW 380/415 V, 3 ph, 11 A, 50/60 Hz, 3.9 kW	208/230 V, 1 ph, 43 A, 50/60 Hz, 4.6 kW 208/230 V, 3 ph, 28 A, 50/60 Hz, 4.6 kW 380/415 V, 3 ph, 14 A, 50/60 Hz, 4.6 kW	208/230 V, 1 ph, 47 A, 50/60 Hz, 6 kW 208/230 V, 3 ph, 32 A, 50/60 Hz, 6 kW 380/415 V, 3 ph, 17 A, 50/60 Hz, 6 kW	208/230 V, 1 ph, 47 A, 50/60 Hz, 6 kW 208/230 V, 3 ph, 32 A, 50/60 Hz, 6 kW 380/415 V, 3 ph, 17 A, 50/60 Hz, 6 kW
Maximum Frame Size	58 x 84 x 5 cm (23" x 33" x 2")	58 x 84 x 5 cm (23" x 33" x 2")	58 x 84 x 5 cm (23" x 33" x 2")	66 x 91 x 5 cm (26" x 36" x 2")	66 x 91 x 5 cm (26" x 36" x 2")	66 x 91 x 5 cm (26" x 36" x 2")	66 x 91 x 5 cm (26" x 36" x 2")	66 x 109 x 5 cm (26" x 43" x 2")	66 x 109 x 5 cm (26" x 43" x 2")	66 x 109 x 5 cm (26" x 43" x 2")	66 x 109 x 5 cm (26" x 43" x 2")	
Maximum Image Area	41 x 46 cm (16" x 18")	41 x 46 cm (16" x 18")	41 x 46 cm (16" x 18")	51 x 51 cm (20" x 20")	51 x 51 cm (20" x 20")	51 x 51 cm (20" x 20")	51 x 51 cm (20" x 20")	51 x 71 cm (20" x 28")	51 x 71 cm (20" x 28")	51 x 71 cm (20" x 28")	51 x 71 cm (20" x 28")	
Shipping Weight	1497 kg (3300 lb)	1819 kg (4010 lb)	2037 kg (4490 lb)	1724 kg (3800 lb)	2087 kg (4600 lb)	2404 kg (5300 lb)	3039 kg (6700 lb)	1633 kg (3600 lb)	1814 kg (4000 lb)	2722 kg (6000 lb)	3311 kg (7300 lb)	
Standard Pallet Size	41 x 56 cm (16" x 22")	41 x 56 cm (16" x 22")	41 x 56 cm (16" x 22")	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")	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")	56 x 76 cm (22" x 30")	56 x 76 cm (22" x 30")	56 x 76 cm (22" x 30")	56 x 76 cm (22" x 30")	
Stations/Colors	8/6	10/8	12/10	8/6	10/8	12/10	14/12	8/6	10/8	12/10	14/12	

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
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