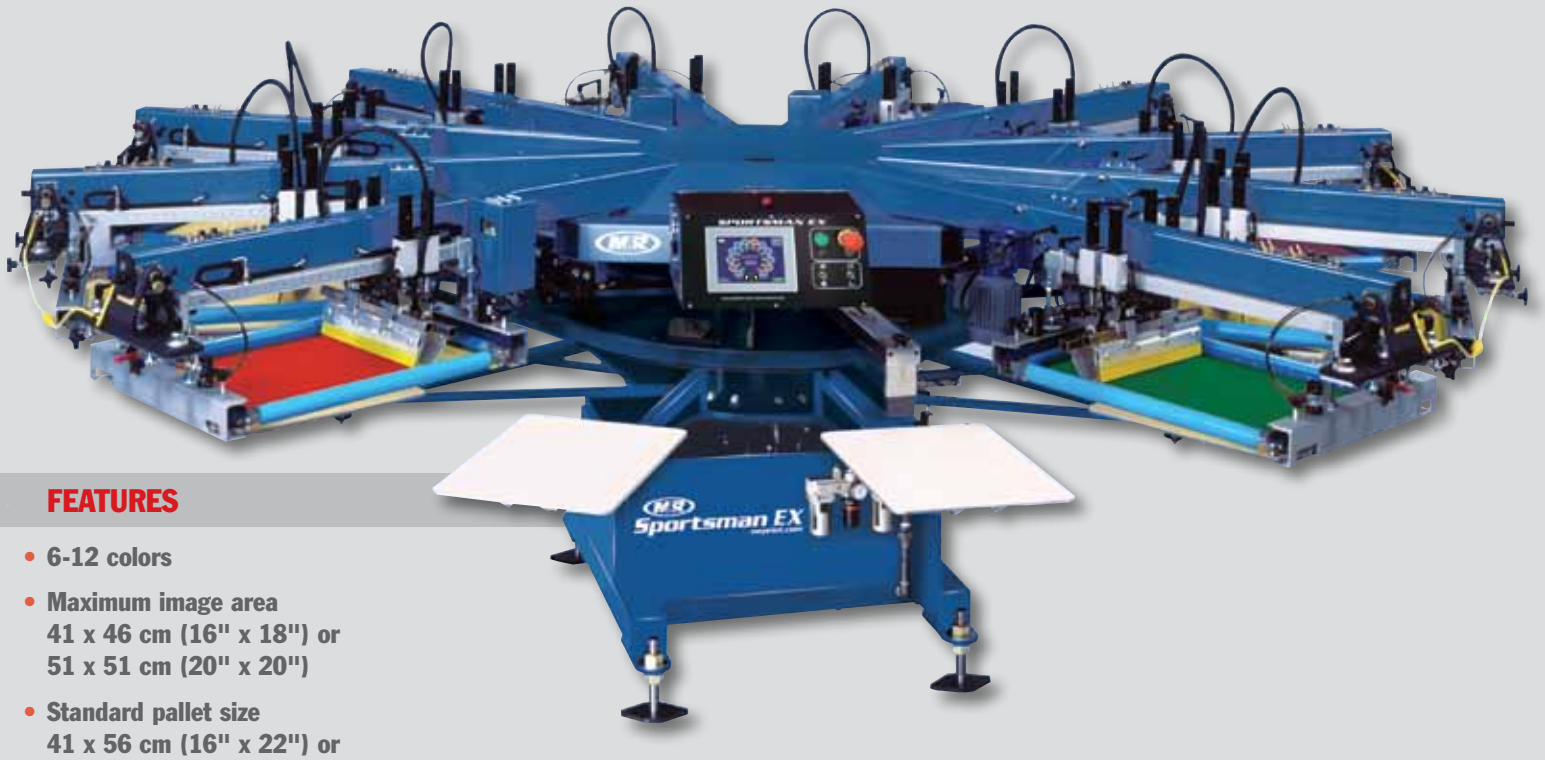
SPORTSMAN™ EX

Automatic Textile Press



FEATURES

- **6-12 colors**
- **Maximum image area**
  41 x 46 cm (16" x 18") or
  51 x 51 cm (20" x 20")
- **Standard pallet size**
  41 x 56 cm (16" x 22") or
  56 x 63 cm (22" x 25")

M&R's Sportsman EX automatic textile 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"). All models feature electric printheads, servo-driven indexers, multiple print-stroke capability, and a new color touch-screen interface with graphical displays and icon-based labeling that can show information and commands in numerous languages, simplifying press operation and training anywhere in the world. Also included are onboard self-diagnostics and real-time production data display.

The press is compatible with M&R's Tri-Loc® & Double Tri-Loc® Rapid Registration Systems. Pneumatic clamps hold frames tight and allow rapid screen loading. Standard features like 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 a tool-free pallet locator system, quick release pallet locks, and enhanced front micro-registration adjustments. Digital squeegee/floodbar speed displays enable easy, accurate speed adjustments at a glance. Central Off-Contact permits fast adjustment of all stations simultaneously. M&R's exclusive patented 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 patented Optical No-Shirt Detector, which minimizes the misprints and press stoppage that result from improper shirt loading. With its user-friendly touch-screen display and extensive standard-feature set, Sportsman EX is ideal for those seeking unprecedented affordability and versatility.

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

CONTROL CENTER
- Color touch-screen with graphical 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 production runs
- Multiple (1-9) print stroke capability
- Onboard self-diagnostics
- Real-time production data

INDEX SYSTEM
- Servo drives combine higher press speeds with exceptional smoothness, consistency, and longevity

PALLET SYSTEM
- Precise three-point pallet leveling system
- Solid-aluminum, low-profile, rubber-coated pallets
- Tool-free pallet locator speeds pallet changeover
- Tool-free quick release pallet locks

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 press setup
- Independent reset button on each printhead allows operator to lower the pallets and freewheel the carousel

REGISTRATION
- Compatible with M&R's Tri-Loc® & Double Tri-Loc® Rapid Registration Systems
- 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 printing position (U.S. Patent No. 5,595,113)
- Touch-screen 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
- 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 print 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
- Two-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 printing empty pallets

OPTICAL NO-SHIRT DETECTOR
- Automatically prevents the press from printing on empty pallets (U.S. Patent No. 5,383,400)
- Reduces misprints and minimizes press stoppage because of improperly loaded shirts

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
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)
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')
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, 4.1 kW 208/230 V, 3 ph, 22 A, 50/60 Hz, 4.1 kW 380/415 V, 3 ph, 11 A, 50/60 Hz, 4.1 kW	208/230 V, 1 ph, 43 A, 50/60 Hz, 4.9 kW 208/230 V, 3 ph, 28 A, 50/60 Hz, 4.9 kW 380/415 V, 3 ph, 14 A, 50/60 Hz, 4.9 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")
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")
Shipping Weight	1497 kg (3300 lb)	2000 kg (4010 lb)	2037 kg (4490 lb)	1724 kg (3800 lb)	2087 kg (4600 lb)	2404 kg (5300 lb)	3039 kg (6700 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")
Stations/Colors	8/6	10/8	12/10	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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