

DIAMONDBACK™ S

STANDARD FEATURES

CAROUSEL/INDEXER

- Clockwise or counterclockwise rotation

CENTRAL OFF-CONTACT

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

CONTROL CENTER

- 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
- Multi-print in the up position
- Onboard self-diagnostics
- Real-time production data
- Swiveling control arm with touch-screen display

INDEX SYSTEM

- Servo-driven index ensures accurate, smooth travel

PALLET SYSTEM

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

PRINTHEADS

- Four-point off-contact adjustment
- Independent print/flood speed controls on each printhead simplify press setup
- Pneumatically-driven printheads

REGISTRATION

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

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)

SCREEN CLAMPS & HOLDERS

- Adjustable side clamps accommodate a wide variety of screen sizes
- Clamping system holds roller frames without special adapters
- Pneumatic clamps hold frames tight and allow rapid screen loading

SQUEEGEE/FLOODBAR

- Angle and calibrated pressure adjustments are independently set
- 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 pressure regulator on each printhead offers exceptional control of print pressure
- Visual reference marks every 5 degrees simplify squeegee/floodbar angle adjustments

STROKE LENGTH ADJUSTMENT

- Adjustable rear stroke length with tool-free adjustment maximizes print 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

DESIGN & CONSTRUCTION

- Designed & disassembled to fit through a 79 cm (31") 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

PRINTHEADS

- Additional printhead for placement at the unload station turns the 6-color into a 7-color and the 8-color into a 9-color

SPECIFICATIONS

	Diamondback S 8/6	Diamondback S 8/7	Diamondback S 10/8	Diamondback S 10/9
Air @ 6,9 Bar (100 psi)	566 l/min (20 cfm)	651 l/min (23 cfm)	765 l/min (27 cfm)	850 l/min (30 cfm)
Diameter	328 cm (10' 9")	328 cm (10' 9")	373 cm (12' 3")	373 cm (12' 3")
Electrical Requirements ¹	208/230 V, 1 ph, 5 A, 50/60 Hz, 0.46 kW 110 V, 1 ph, 10 A, 50/60 Hz, 0.46 kW	208/230 V, 1 ph, 5 A, 50/60 Hz, 0.46 kW 110 V, 1 ph, 10 A, 50/60 Hz, 0.46 kW	208/230 V, 1 ph, 5 A, 50/60 Hz, 0.46 kW 110 V, 1 ph, 10 A, 50/60 Hz, 0.46 kW	208/230 V, 1 ph, 5 A, 50/60 Hz, 0.46 kW 110 V, 1 ph, 10 A, 50/60 Hz, 0.46 kW
Maximum Frame Size	58 x 84 x 4.5 cm (23" x 33" x 1.75")	58 x 84 x 4.5 cm (23" x 33" x 1.75")	58 x 84 x 4.5 cm (23" x 33" x 1.75")	58 x 84 x 4.5 cm (23" x 33" x 1.75")
Maximum Image Area	41 x 46 cm (16" x 18")	41 x 46 cm (16" x 18")	41 x 46 cm (16" x 18")	41 x 46 cm (16" x 18")
Shipping Weight	1415 kg (3120 lb)	1483 kg (3270 lb)	1656 kg (3650 lb)	1724 kg (3800 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")
Stations/Colors	8/6	8/7	10/8	10/9

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.