

PREDATOR® LPC



All-Over Belt Printing Press



FEATURES

- 4-10 colors
- Maximum image area 97 x 213 cm (38" x 84")
- Maximum belt width 254 cm (100")

M&R's Predator LPC automatic screen printing press is a uniquely versatile high-volume belt printing system that delivers exceptional results on cut-piece goods. It also excels on finished goods like flags, banners, and towels. Predator's specialty is the edge-to-edge and all-over screen printing typically done using water-based inks. Predator LPC is available in 4, 6, 8, and 10-color models, with maximum image areas up to 97 x 213 cm (38" x 84"). All Predator LPC models feature servo-driven indexers, electric printheads, and multiple print-stroke capability.

Pneumatic clamps hold frames tight and allow rapid screen loading. Standard features like independent squeegee & floodbar speed adjustments; fully synchronized screen peel system; 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. Other standard features include a user-friendly control panel with digital keypad, 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 print runs. Predator LPC requires a water supply for the integrated belt washer and a drain to properly dispose of runoff.

The M&R Companies

M&R is the most respected name in the screen printing industry and the world's largest manufacturer of screen printing equipment. M&R's line of presses includes automatic screen printing presses, manual T-shirt printing presses, and specialty presses like M&R's T-shirt sample press, athletic numbering press, and automatic all-over belt press. M&R's presses are complemented by a wide array of ancillary screen printing machines and by the online M&R Store, which features genuine M&R OEM parts and screen printing supplies. All equipment from the M&R Companies is built with M&R's unsurpassed attention to detail and commitment to quality, durability, innovation, and design excellence, and is backed by M&R's unparalleled 24-hour access to service, support, and premium parts.

www.mrprint.com
store.mrprint.com

PREDATOR[®] LPC

STANDARD FEATURES

ALL-OVER SCREEN PRINTING

- Allows complete coverage of substrates

BELT TRANSPORT SYSTEM

- Enables the screen printing of cut-piece and finished goods
- Kevlar-reinforced belt
- Stainless steel belt washer and filtration system
- Vacuum system holds the belt securely in place during screen printing to ensure precise registration
- Wide belt allows multiple pieces to be screen printed simultaneously

CERTIFICATION

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

CONTROL CENTER

- Independent print-start/print-finish setting automatically activates and stops printheads at the beginning and end of screen printing runs
- Multiple (1-9) print stroke capability
- Onboard self-diagnostics
- Press can index in either direction so that during proofing the operator can alter the order of screen/color application on test prints without having to tear down and set up for each variation
- Real-time production data
- User-friendly control panel with digital keypad

FABRIC HANDLING

- Towel Mode allows installation of two squeegees on each printhead

INDEX SYSTEM

- Home function on servo drives automatically repositions belt
- Servo drive is standard
- Servo drives combine higher screen printing press speeds with exceptional smoothness, consistency, and longevity

INK DIP SYSTEM

- Retrieval system keeps ink in the print area

PRINTHEADS

- Brushless and maintenance-free electric-drive motor delivers smooth screen print strokes and exceptional control
- Four-point off-contact adjustment
- Independent print and reset buttons on each printhead
- Independent print/flood speed controls on each printhead simplify screen printing press setup
- Screen peel system with rigid master frame is fully adjustable for consistently sharp screen prints and minimal ink buildup

REGISTRATION

- Enhanced front micro-registration adjustments with visual guides

SCREEN CLAMPS & HOLDERS

- Adjustable rear screen holders accommodate a wide variety of screen sizes
- High-Lift mode on front screen holder makes setup fast and mid-run screen changes easy
- 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 position allows easier squeegee/floodbar installation and removal
- Pneumatic squeegee/floodbar locks with tool-free angle adjustment
- Squeegee air regulator with a pressure gauge on each printhead

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

LASER ALIGNMENT SYSTEM

- Laser light 4-point garment placement system

SPECIFICATIONS

	Predator LPC 60	Predator LPC 72	Predator LPC 84
Air @ 6,9 bar (100 psi) ¹	198–510 l/min (7–18 cfm)	198–510 l/min (7–18 cfm)	198–510 l/min (7–18 cfm)
Belt Width	193 cm (76")	224 cm (88")	254 cm (100")
Electrical Requirements ^{1,2}	208/230 V, 3 ph, 54–72 A, 60 Hz, 9.6–13 kW	208/230 V, 3 ph, 54–72 A, 60 Hz, 9.6–13 kW	208/230 V, 3 ph, 54–72 A, 60 Hz, 9.6–13 kW
Maximum Fabric Width	163 cm (64")	193 cm (76")	224 cm (88")
Maximum Frame Size	124 X 213 X 5.7 cm (49" X 84" X 2.25")	124 X 244 X 5.7 cm (49" X 96" X 2.25")	124 X 274 X 5.7 cm (49" X 108" X 2.25")
Maximum Image Area	97 x 152 cm (38" x 60")	97 x 183 cm (38" x 72")	97 x 213 cm (38" x 84")
Overall Length ⁴	869–1646 cm (28.5'–54')	869–1646 cm (28.5'–54')	869–1646 cm (28.5'–54')
Overall Width	289 cm (9.5')	320 cm (10.5')	351 cm (11.5')
Repeat Index (cut piece)	128 cm (50.5")	128 cm (50.5")	128 cm (50.5")

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.

² 4-color = 54 A/9.6 kW; 6-color = 60 A/10.8 kW; 8-color = 66 A/11.9 kW; 10-color = 72 A/13 kW

³ 4-color = 198 l/min (7 cfm); 6-color = 311 l/min (11 cfm); 8-color = 396 l/min (14 cfm); 10-color = 510 l/min (18 cfm)

⁴ 4-color = 869 cm (28.5'); 6-color = 1128 cm (37.0'); 8-color = 1387 cm (45.5'); 10-color = 1646 cm (54')



The M&R Companies
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