

RENEGADE™ LS



Flatbed Graphic Press

FEATURES

- **Job Recall™** allows operators to store numerous settings that can be recalled later
- **Maximum image areas** from 132 x 249 cm (52" x 98") to 157 x 376 cm (62" x 148")
- **Optional dripless squeegee and stepper-motor peel system**



Renegade LS is the largest version of M&R's innovative line of flatbed graphic press. Standard features include Job Recall™, which allows operators to store settings like peel ratio, dwell time, and start and duration times for blowback and vacuum. These settings can be recalled later for repeat jobs—or for any jobs requiring similar settings—significantly reducing setup times. Renegades deliver superb print quality on virtually all substrates, including posters, banners, vinyl, fleet-marking, glass, metal, and display panels.

The hardened steel 13 cm (5") lift columns and heavy-duty print carriage ensure years of smooth, vibration-free printing. Cutting-edge microprocessor technology and sophisticated operator controls make Renegade LS easy to operate. There's a production speed monitor to ensure more accurate job costing; dial indicators for vacuum bed adjustments in .0025 cm (.001") increments; and a patented, electronically adjustable ink retrieval system to keep ink in the

print area. Maintenance-free, brushless AC electric motors with variable-frequency drives ensure smooth, precise operation. Tool-free four-corner off-contact settings allow quick and accurate screen leveling, and front screen loading simplifies and speeds screen changes. Renegade LS provides up-front control of SoftVac™, M&R's whisper-quiet, high-volume vacuum system. Vacuum and blowback are each independent and adjustable. Options include M&R's dripless squeegee attachment, which automatically flips to the opposite direction against the front of the floodbar, and a stepper-motor peel system, which provides flat-flood capability and single-point fingertip control.

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. It's no wonder M&R is the first name in screen printing equipment.

www.mrprint.com

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RENEGADE™ LS

STANDARD FEATURES

Certification

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

Control Center

- Control panel is easy to navigate, with programming and prompts in plain language
- Digital microprocessor with self-diagnostics
- Flood/non-flood setting allows screens to be flooded or left unflooded after each print cycle
- Job Recall™ allows storage and recall of numerous standard and optional functions and settings
- Production speed monitor ensures more accurate job costing
- Separate independent foot pedals for hands-free single-cycle printing, and for vacuum control of hard-to-feed substrates

Design & Construction

- Control panel is track-mounted, allowing it to be positioned anywhere along the front of the press
- Cycle interruption bars and light beams stop press when activated
- Designed for everything from poly banner material to heavy board stock
- Lift columns are made of 13 cm (5") diameter hardened steel
- Low-lift feature speeds cycle time
- Maintenance-free, brushless AC electric motors with variable-frequency drives

Ink Dip System

- Electronically adjustable ink retrieval system keeps ink in the print area (U.S. Patent No. 5,649,479)

Off-Contact

- Tool-free four-corner off-contact settings allow quick and accurate screen leveling
- Zero off-contact capability increases control over print quality

Peel System

- Automatically synchronized gear-driven peel
- Flat-flood capability
- Infinitely adjustable within range

Print Carriage

- Adjustable, tool-free front and rear sensors located on the printhead
- Dynamic braking prevents the print carriage from drifting into the printing area
- Independent drives for print carriage and head lift

Registration

- X & Y direction analog dial indicators

Screen Clamps & Holders

- Adjustable screen holders accommodate a wide variety of screen sizes
- Front screen loading for fast screen changes
- Manual clamps lock frame securely in place
- Pneumatic screen clamps

Squeegee/Floodbar

- Calibrated independent and micro-adjustable pressure settings
- Park position simplifies squeegee and floodbar installation and removal, and allows flood and squeegee to be raised and moved to the front or rear without flooding or printing
- Squeegee and floodbar traverse speeds can be set individually
- Squeegee pressure equalizer regulator ensures uniform squeegee pressure
- Tool-free pressure and angle adjustments are independently set

Vacuum System

- 5.08 cm (2") thick heavy-gauge anodized aluminum vacuum bed is drilled using computerized numerical control (CNC)
- SoftVac™ whisper-quiet, high-volume vacuum system
- Up-front access for easy setup and adjustment
- Vacuum and blowback are each independent and adjustable

Warranty, Service & Support

- 24-hour hotline is staffed 365 days a year
- Access to M&R's Training Center
- One-year limited warranty

OPTIONS

Control Center

- Double-print capability

Peel System

- Stepper motor with single-point fingertip control

Registration

- Round or square pins with fixed locations

Squeegee/Floodbar

- Dripless squeegee attachment automatically flips to the opposite direction against the front of the floodbar before the flood stroke begins, preventing ink from dripping into the image area
- Skewed squeegee holder
- Tool-free pneumatic squeegee/floodbar locks

Vacuum System

- Zoned vacuum beds allow operators to limit vacuum to the area under the substrate

RELATED PRODUCTS

Automatic Takeoff System

- M&R's Sentry™ is a fully adjustable gripper-style takeoff that adapts to virtually any substrate

SPECIFICATIONS

	Renegade LS 5298	Renegade LS 52124	Renegade LS 52148	Renegade LS 62148
Maximum Image Area	132 x 249 cm (52" x 98")	132 x 315 cm (52" x 124")	132 x 376 cm (52" x 148")	157 x 376 cm (62" x 148")
Maximum Frame Size	193 x 335 x 6.4 cm (76" x 132" x 2.5")	193 x 396 x 6.4 cm (76" x 156" x 2.5")	193 x 457 x 6.4 cm (76" x 180" x 2.5")	218 x 457 x 6.4 cm (86" x 180" x 2.5")
Vacuum Bed Size	152 x 295 cm (60" x 116")	152 x 356 cm (60" x 140")	152 x 417 cm (60" x 164")	183 x 417 cm (72" x 164")
Overall Size	411 x 182 cm (162" x 71.5")	472 x 182 cm (186" x 71.5")	533 x 182 cm (210" x 71.5")	533 x 207 cm (210" x 81.5")
Air @ 6.9 bar (100 psi)	227 l/min (8 cfm)	227 l/min (8 cfm)	227 l/min (8 cfm)	227 l/min (8 cfm)
Electrical Requirements ¹	208/230 V, 3 ph, 30 A, 50/60 Hz, 7.4 kW	208/230 V, 3 ph, 30 A, 50/60 Hz, 7.4 kW	208/230 V, 3 ph, 30 A, 50/60 Hz, 7.4 kW	208/230 V, 3 ph, 30 A, 50/60 Hz, 7.4 kW
Sentry Takeoff Floor Area	483 x 165 cm (190" x 65")	554 x 165 cm (218" x 65")	615 x 165 cm (242" x 65")	614 x 191 cm (242" x 75")
Total Length with Takeoff	894 cm (352")	1026 cm (404")	1148 cm (452")	1148 cm (452")
Takeoff Electrical Requirements ¹	208/230 V, 3 ph, 4 A, 50/60 Hz, 0.9 kW	208/230 V, 3 ph, 4 A, 50/60 Hz, 0.9 kW	208/230 V, 3 ph, 4 A, 50/60 Hz, 0.9 kW	208/230 V, 3 ph, 4 A, 50/60 Hz, 0.9 kW
Shipping Weight	2041 kg (4500 lb)	2495 kg (5500 lb)	2949 kg (6500 lb)	3402 kg (7500 lb)

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.