

# RENEGADE™ XL



## Flatbed Graphic Press



### FEATURES

- **Job Recall™** allows operators to store numerous settings that can be recalled later
- **Maximum image areas** from 117 x 173 cm (46" x 68") to 132 x 305 cm (52" x 120")
- **Optional dripless squeegee and stepper-motor peel system**

Renegade XL is the extended version of M&R's innovative line of flatbed graphic presses. By allowing operators to add additional pressure to the center of the squeegee and floodbar with two independently controlled center cylinders, Renegade XL helps ensure uniform pressure across the length of the squeegee. 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.

Cutting-edge microprocessor technology and sophisticated operator controls make Renegade XL 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.

Renegade XL 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 Renegade XL's stepper-motor peel system, which provides flat-flood capability and single-point fingertip control. Sentry™, M&R's fully adjustable gripper-style takeoff, adapts to virtually any substrate.

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# RENEGADE™ XL

## 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 substrate

### 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
- 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)

### Master Frame

- Detaches from raised printhead for easy access

### 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
- Center cylinder provides uniform pressure across the carriage
- 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
- Manual clamps lock frame securely in place

### 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

### Screen Clamps & Holders

- Pneumatic screen clamps

### 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
- Tool-free pneumatic squeegee/floodbar locks
- Skewed squeegee holder

### 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 XL 4668                        | Renegade XL 5284                        | Renegade XL 5296                        | Renegade XL 52120                      |
|--|---|---|---|--|
| Maximum Image Area                           | 117 x 173 cm (46" x 68")                | 132 x 213 cm (52" x 84")                | 132 x 244 cm (52" x 96")                | 132 x 305 cm (52" x 120")              |
| Maximum Frame Size                           | 173 x 224 x 6.4 cm (68" x 88" x 2.5")   | 188 x 269 x 6.4 cm (74" x 106" x 2.5")  | 188 x 300 x 6.4 cm (74" x 118" x 2.5")  | 188 x 361 x 6.4 cm (74" x 142" x 2.5") |
| Vacuum Bed Size                              | 157 x 213 cm (62" x 84")                | 170 x 254 cm (67" x 100")               | 170 x 284 cm (67" x 112")               | 170 x 345 cm (67" x 136")              |
| Overall Size                                 | 236 x 229 cm (93" x 90")                | 277 x 241 cm (109" x 95")               | 307 x 241 cm (121" x 95")               | 368 x 241 cm (145" x 95")              |
| 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 <sup>1</sup>         | 208/230 V, 3 ph, 20 A, 50/60 Hz, 6.6 kW | 208/230 V, 3 ph, 20 A, 50/60 Hz, 6.6 kW | 208/230 V, 3 ph, 20 A, 50/60 Hz, 6.6 kW | 208/230 V, 3 ph, 30 A, 50/60 Hz, 10 kW |
| Sentry Takeoff Floor Area                    | 356 x 165 cm (140" x 65")               | 401 x 165 cm (158" x 65")               | 432 x 165 cm (170" x 65")               | 483 x 165 cm (190" x 65")              |
| Total Length with Takeoff                    | 592 cm (233")                           | 678 cm (267")                           | 739 cm (291")                           | 851 cm (335")                          |
| Takeoff Electrical Requirements <sup>1</sup> | 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                              | 1452 kg (3200 lb)                       | 1588 kg (3500 lb)                       | 1678 kg (3700 lb)                       | 1814 kg (4000 lb)                      |

<sup>1</sup> 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.



**The M&R Companies**  
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