Tri-Light™ features M&R's instant-start multi-spectrum metal-halide UV screen exposure technology, which reduces glass temperature, power consumption, and environmental heating effects. With its 107 x 152 cm (42” x 60”) maximum screen frame size; fast, powerful screen exposure light source; and exceptional repeatability, Tri-Light is perfect for high-volume operations. M&R’s computerized and programmable integrator/controller ensures precise vacuum duration and screen exposure lamp output compensation. Tri-Light is also simple to operate. The entire screen exposure process—from vacuum drawdown through screen exposure and vacuum release—is accomplished with a single keystroke.

M&R’s unique manifold system ensures intimate contact by drawing vacuum evenly around the perimeter of the blanket frame. Tri-Light’s multi-spectrum metal-halide UV screen exposure lamps, with their ability to retain fine lines and dots, produce screen exposures of exceptional quality. Tri-Light can be located in areas housing unexposed screens because the light source and vacuum frame are enclosed, and the screen exposure lamp can’t be turned on while the blanket frame is open.

M&R is the world’s largest manufacturer of screen printing equipment, and the online M&R Store features a wide variety of 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.
STANDARD FEATURES

BLANKET & VACUUM
• Advanced design eliminates the need for a vacuum hose connection to the blanket
• Exceptionally flexible and resilient material ensures intimate contact and blanket longevity
• Gas shocks simplify blanket frame opening and closing
• Oil-free pump is fast, quiet, and efficient
• Unique manifold system ensures intimate contact by drawing vacuum evenly around the perimeter of the blanket frame
• Vacuum release system instantly releases vacuum

CERTIFICATION
• CE Certified: Built to specifications established by the European Committee for Standardization® (CE)
• UL Listed: Built to specifications established by Underwriters Laboratories® (UL)

INSPECTION LIGHT
• Allows the operator to check for alignment, dust, and pinholes before exposing screens
• Yellow safelight turns off automatically when the blanket frame is closed

REPLACEMENT SCREEN EXPOSURE LAMPS
• 6 kW multi-spectrum metal-halide UV screen exposure lamp: Part Number PM78

DESIGN & CONSTRUCTION
• 104 cm (41”) working height for no-step access
• 9.5 mm (3/8”) thick optically-clear plate glass
• Can be disassembled to fit through a 76 cm (30”) wide opening
• Frame latches are made with state-of-the-art material for durability, longevity, and operator comfort
• Fully-enclosed, heavy-duty all steel cabinet
• Light-Loc™ automatically turns off the screen exposure light source if the blanket frame is opened
• Removable covers provide easy access to components to clean or replace any serviceable item
• Self-contained design speeds production by allowing placement in light-safe screen-coating rooms
• Ships fully assembled and ready to deploy
• Square tubular steel welded frame

LIGHT SOURCE FOR SCREEN EXPOSURES
• Instant-start multi-spectrum metal-halide UV screen exposure lamp and rapid recovery power supply eliminate warm-up and idling times, saving energy and reducing heat build-up
• Instant-start multi-spectrum metal-halide UV screen exposure lamps produce fast, efficient exposures
• Lamp drawer makes screen exposure lamp easy to access and change
• Multi-point metal-halide UV screen exposure lamps excel on all emulsions: direct, capillary, and indirect
• Point-light source provides maximum collimation and optimum coverage to hold fine lines and dots during screen exposure

SCREEN EXPOSURE AREA
• 107 x 152 cm (42" x 60") maximum screen frame size
• Compatible with the Tri-Loc® & Double Tri-Loc® Rapid Registration Systems from M&R

OPTIONS

INSPECTION LIGHT
• Allows the operator to check for alignment, dust, and pinholes before exposing screens
• Yellow safelight turns off automatically when the blanket frame is closed

REPLACEMENT SCREEN EXPOSURE LAMPS
• 6 kW multi-spectrum metal-halide UV screen exposure lamp: Part Number PM78

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Tri-Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Requirements</td>
<td>208/230 V, 1 ph, 36/27 A, 50 Hz, 6.2 kW</td>
</tr>
<tr>
<td></td>
<td>208/230 V, 1 ph, 32/25 A, 60 Hz, 5.8 kW</td>
</tr>
<tr>
<td>Maximum Frame Size</td>
<td>107 x 152 cm (42” x 60”)</td>
</tr>
<tr>
<td>Overall Size (H x W x D)</td>
<td>109 x 188 x 355 cm (43” x 70” x 63”)</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>517 kg (1140 lb)</td>
</tr>
<tr>
<td>Vacuum Frame Size</td>
<td>124 x 173 cm (49” x 68”)</td>
</tr>
<tr>
<td>Wattage</td>
<td>6 kW</td>
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</tbody>
</table>

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.

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