

Multi-Spectrum Screen Exposure System

FEATURES

- **Maximum screen frame size**
107 x 152 cm (42" x 60")
- **6 kW or 3 kW instant-start multi-spectrum metal-halide lamp**
- **Compatible with all sizes of the Tri-loc® and Double Tri-loc® Registration Systems**



Tri-Light features NuArc's patented instant-start power 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 light source; and exceptional repeatability, Tri-Light is perfect for high-volume operations. NuArc's computerized and programmable integrator/controller ensures precise vacuum duration and lamp output compensation. Tri-Light is also simple to operate. The entire exposure process—from vacuum drawdown through screen exposure and vacuum release—is accomplished with a single keystroke.

NuArc's unique manifold system ensures intimate contact by drawing vacuum evenly around the perimeter of the blanket frame.

Tri-Light is available in 6 kW and 3 kW models. Both multi-spectrum metal-halide lamps, with their ability to retain fine lines and dots, produce 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 exposure lamp can't be turned on while the blanket frame is open.

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.

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 (U.S. Patent No. 5,481,333) instantly releases vacuum

Certification

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

Controller/Integrator

- Computer controlled and fully programmable
- Job Recall™ allows storage and recall of numerous vacuum and exposure values
- Light integrator ensures precise exposures
- Touch-screen panel with alphanumeric display

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 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 darkrooms
- Ships fully assembled and ready to deploy
- Square tubular steel welded frame

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

Light Source

- 6 kW & 3 kW models with multi-spectrum instant-start metal-halide lamps produce fast, efficient exposures
- Exposes all emulsions: direct, capillary, and indirect

Warranty, Service and Support

- 24-hour hotline is staffed 365 days a year
- Access to M&R's Training Center
- One-year limited warranty excluding blanket, glass, and lamps

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 Lamp

- 3 kW multi-spectrum metal-halide lamp: Part Number HT162
- 6 kW multi-spectrum metal-halide lamp: Part Number PM78

SPECIFICATIONS

	Tri-Light 6 kW	Tri-Light 3 kW
Electrical Requirements ¹	208/230 V, 1 ph, 36/27 A, 50 Hz, 6.2 kW 208/230 V, 1 ph, 32/25 A, 60 Hz, 5.8 kW	208/230 V, 1 ph, 20/17 A, 50 Hz, 3.9 kW 208 208/230 V, 1 ph, 18/14 A, 60 Hz, 3.2 kW
Maximum Frame Size	107 x 152 cm (42" x 60")	107 x 152 cm (42" x 60")
Overall Size (H x W x D)	109 x 188 x 155 cm (43" x 75" x 61")	109 x 188 x 155 cm (43" x 75" x 61")
Shipping Weight	517 kg (1140 lb)	517 kg (1140 lb)
Vacuum Frame Size	124 x 173 cm (49" x 68")	124 x 173 cm (49" x 68")
Wattage	6 kW	3 kW

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