

TRI-LIGHT™



Metal-Halide UV Screen Exposure System



FEATURES

- **Maximum screen frame size 107 x 152 cm (42" x 60")**
- **6 kW instant-start multi-spectrum metal-halide UV screen exposure technology**
- **The entire screen exposure process is accomplished with a single keystroke**

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.

www.mrprint.com
store.mrprint.com

TRI-LIGHT™

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)

CONTROLLER/INTEGRATOR FOR SCREEN EXPOSURES

- Computer controlled and fully programmable
- Job Recall™ allows storage and recall of numerous vacuum and screen exposure values
- Light integrator ensures precise screen exposure times
- Touchscreen 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 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

WARRANTY, SERVICE AND SUPPORT

- 24-hour hotline is staffed 365 days a year
- Access to M&R's Training Center
- M&R OEM parts—including genuine M&R pallets & platens—and screen printing supplies are available online at store.mrprint.com
- One-year limited warranty excluding blanket, glass, and screen exposure 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 SCREEN EXPOSURE LAMPS

- 6 kW multi-spectrum metal-halide UV screen exposure lamp: Part Number PM78

SPECIFICATIONS

	Tri-Light
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
Maximum Frame Size	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")
Shipping Weight	517 kg (1140 lb)
Vacuum Frame Size	124 x 173 cm (49" x 68")
Wattage	6 kW

¹If 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

M&R Sales and Service, Inc. 440 Medinah Road, Roselle, Illinois 60172-2329 USA

USA: 800-736-6431 / 630-858-6101 • Outside USA: +1-847-967-4461 • FAX: 630-858-6134

M&R Printing Equipment, Inc. and its subsidiaries (hereinafter M&R), believe the information in this advertisement to be accurate at publication, though it does not purport to list all manufacturing and specification variations, nor does it assume liability resulting from incompleteness or inaccuracy. M&R reserves the right to change specifications without notice. M&R expressly disclaims any liability for damages, consequential or incidental, from purchase, installation, servicing, and/or use of any product/service based upon information herein. No warranties of merchantability or fitness for a particular purpose are made or are to be implied from the information herein. No information herein may be reproduced or used in any manner without the prior, express written consent of M&R in each case. Copyright 2017 M&R Printing Equipment, Inc. All rights reserved. 20170428P