

MSP™ 3140



Multi-Spectrum Screen Exposure System



FEATURES

- Maximum screen frame size 79 x 102 cm (31" x 40")
- 1200-watt instant-start multi-spectrum metal-halide lamp
- Compatible with the Tri-Loc® Registration System

MSP 3140 features NuArc's patented instant-start power technology, which reduces glass temperature, power consumption, and environmental heating effects. With a 79 x 102 cm (31" x 40") maximum screen frame size, it's an ideal choice for those entering automatic printing and for quality-conscious printers in manual environments. MSP 3140 is designed for those seeking superior performance at an affordable price. NuArc's computerized and programmable integrator/controller ensures precise vacuum duration and lamp output compensation. MSP 3140 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. A 1200-watt multi-spectrum metal-halide lamp, with its ability to retain fine lines and dots, produces exposures of exceptional quality. MSP 3140 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.

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MSP™ 3140

STANDARD FEATURES

Blanket & Vacuum

- 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

- 9.5 mm (3/8") thick optically-clear plate glass
- 99 cm (39") working height for no-step access
- 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

- 79 x 102 cm (31" x 40") maximum screen frame size
- Compatible with the Tri-Loc® Rapid Registration System from M&R

Light Source

- 1200-watt multi-spectrum metal-halide instant-start lamp produces fast, efficient exposures
- Exposes all emulsions: direct, capillary, and indirect
- Lamp drawer makes lamp easy to access and change
- Point-light source provides maximum collimation and optimum coverage to hold fine lines and dots

Warranty, Service & 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

- 1200-watt multi-spectrum metal-halide lamp: Part Number PD41

RELATED PRODUCTS

Tri-Loc®

- M&R's patented Rapid Registration System dramatically speeds setup

SPECIFICATIONS

	MSP 3140
Electrical Requirements ¹	110 V, 1 ph, 18 A, 60 Hz, 2 kW 208/230 V, 1 ph, 7.4/5.7 A, 50 Hz, 1.3 kW
Maximum Screen Frame Size	79 x 102 cm (31" x 40")
Overall Size (H x W x D)	102 x 130 x 119 cm (40" x 51" x 47")
Shipping Weight	227 kg (500 lb)
Vacuum Frame Size	94 x 117 cm (37" x 46")
Wattage	1200 watts

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.



The M&R Companies
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