

MSP™ 3140



Metal-Halide UV Screen Exposure System



FEATURES

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

MSP 3140 features NuArc's patented instant-start multi-spectrum metal-halide screen exposure 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 screen 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 screen exposure 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 UV screen exposure lamp, with its ability to retain fine lines and dots, produces screen 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 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. The NuArc line includes CTS computer-to-screen exposure systems, UV screen exposure units, lithographic imaging systems and free standing vacuum frames. 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
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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 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
- 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 screen exposure light source if the door 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

- 1200-watt multi-spectrum metal-halide instant-start UV screen exposure lamp produces 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

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

WARRANTY, SERVICE & 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

- 1200-watt multi-spectrum metal-halide UV screen exposure lamp: Product Number PD41

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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