

MSP™ 3140 CTS



Computer-to-Screen Exposure System



FEATURES

- Produces exceptional results on both conventional and computer-generated screens
- The logical choice for those using both screen types—and for conventional screen users planning for the future
- Maximum screen frame size 79 x 102 cm (31" x 40")

MSP 3140 CTS is the dual-purpose version of NuArc's popular MSP 3140 Exposure System. It produces the same exceptional results on conventional screens, but it also exposes screens that have been generated by a computer-to-screen (CTS) system, making it the logical choice for those using both screen types—and for conventional screen users planning for the future. MSP 3140 CTS is also simple to operate. The entire exposure process—from vacuum drawdown (on conventional screens) through screen exposure and vacuum release—is accomplished with a single keystroke.

MSP 3140 CTS has two methods of exposing screens. Two outer latches provide access to a conventional glass-and-vacuum blanket capable of handling screens up to 79 x 102 cm (31" x 40"). A center latch bypasses the glass and vacuum in favor of an adjustable CTS

rack system for exposing computer-generated screens directly to the light. The separation provided by the rack system eliminates the smearing and distortion that can result from screen-to-glass contact. On conventional screens, NuArc's unique manifold system ensures intimate contact by drawing vacuum evenly around the perimeter of the blanket frame.

NuArc's computerized and programmable integrator/controller ensures precise vacuum duration and lamp output compensation. Exposures are powered by NuArc's 1200-watt multi-spectrum metal-halide lamp, which idles at 600 watts and exposes at 1200 watts. MSP 3140 CTS 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.

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MSP™ 3140 CTS

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)

Computer-to-Screen (CTS) Feature

- Elimination of blanket drawdown produces faster CTS exposures
- Exposes screens that have been generated by a computer-to-screen (CTS) system
- Racks are adjustable to accommodate different size screens
- Separates the screen frame from the blanket to prevent smearing and distortion

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

- 103 cm (40.5") working height for no-step access
- 9.5 mm (3/8") thick optically-clear plate glass
- 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 shuttered light source
- 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 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
- Turns off automatically when the blanket frame is closed

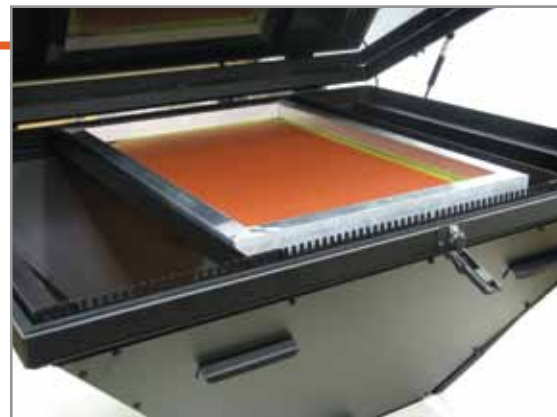
Replacement Lamp

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

SPECIFICATIONS

	MSP 3140 CTS
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)	105 x 130 x 119 cm (41.5" x 51" x 47")
Shipping Weight	308 kg (680 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



A rack mount beneath the glass allows CTS-generated screens to be exposed directly, avoiding smearing and distortion that can occur when screens are placed directly on glass.



The M&R Companies
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M&R Sales and Service, Inc. 1N372 Main Street, Glen Ellyn, Illinois 60137-3576 USA

USA: 800-736-6431 / 630-858-6101 / Fax: 630-858-6134 • Outside USA: +1-847-967-4461 / Fax: +1-847-967-0417

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