



Tri-Light

Multi-Spectrum Exposure System

Eng



Tri-Light™

Tri-Light features NuArc's patented instant-start power technology, which reduces glass temperature, power consumption, and environmental heating effects. Its single-point light source retains fine lines and dots while delivering high power for quick exposures. Tri-Light models are available in 6000 and 3000 watts (field-upgradeable to 6000 watts). The light source and vacuum frame are completely enclosed, and the exposure lamp cannot be turned on while the blanket frame is open, perfect for areas housing unexposed screens. NuArc's PLC controller and light integration systems deliver precise control over vacuum duration, accurate lamp output compensation, and precise repeatability. Maximum screen frame outside diameter is 42" x 60" (107 x 152 cm).

When combined with M&R's Tri-Loc Rapid Registration System, Tri-Light offers the most efficient image-to-press system available. Double Tri-Loc capacity allows operators to burn two same-size screens at once, doubling productivity, while reducing the wear on the vacuum blanket and exposure lamp.

Tri-Light's ¼ HP maintenance-free vacuum pump provides rapid drawdown, and NuArc's unique manifold system provides intimate contact by drawing air through holes in the blanket frame tube. NuArc's patented vacuum release system instantly releases vacuum, and the counterbalanced blanket frame is equipped with pneumatic cylinders for easy opening. Tri-Light's 41" (104 cm) working height offers no-step access, and the unit can be disassembled to easily navigate a 30" (76 cm) doorway. Removable covers provide easy access to all serviceable items. The Tri-Light is a remarkably affordable screen imaging system, built with NuArc's attention to quality, durability, and design excellence, and backed by NuArc's award-winning service.

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Standard Features

Blanket

- Blanket frame is counterbalanced with pneumatic cylinders
- Design eliminates the need for vacuum hose connection to blanket
- Exceptionally flexible and resilient material assures intimate contact and blanket longevity

Controller/Integrator

- Computer controlled (PLC) and fully programmable
- LCD display
- Light integrator ensures exact exposure every time
- Pushbutton control

Design & Construction

- 3/8" (9.5 mm) thick glass
- 2" (5 cm) square welded tubular steel vacuum and glass frames
- 41" (104 cm) working height for no-step access
- Easy access to components to clean or replace any serviceable item
- Ergonomic design
- Frame latches made with state-of-the-art material for durability, longevity, and operator comfort

Electrical Requirements

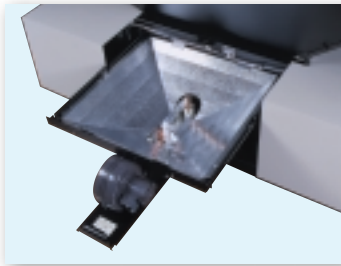
- 6000-watt models: 208/230v, 1 phase, 32/25 amps, 60Hz
- 3000-watt models: 208/230v, 1 phase, 18/14 amps, 60Hz

Exposure Area

- 42" x 60" (107 x 152 cm) maximum screen frame OD
- Compatible with the Single or Double Tri-Loc® Rapid Registration System from M&R, or a single large frame

Light Source

- 6000-watt & 3000-watt models
- Exposes all emulsions: direct, capillary, and indirect
- Instant-start lamp and rapid recovery power supply (U.S. Patent No. 4,339,692) provide shutterless operation
- Instant-start lamp eliminates warmup and idling times, saving energy and reducing heat build-up
- Lamp is easy to access and change via lamp drawer
- Light source delivers fast, efficient exposures
- Multi-spectrum metal-halide lamp
- Point light source holds fine lines and dots
- Shutter-free operation eliminates mechanical complexities



Easy access for lamp maintenance

Replacement Lamps

- 6000-watt models: PM78
- 3000-watt models: HT162

Size

- Floor space requirement: 61" x 75" (155 x 191 cm)
- Vacuum frame size (ID): 49" x 68" (124 x 173 cm)

Options & Accessories

Electrical Requirements

- 6000-watt models: 208/230v, 1 phase, 36/27 amps, 50 Hz
- 3000-watt models: 208/230v, 1 phase, 20/17 amps, 50Hz

Field Upgrade Kit

- Upgrades 3000-watt model to 6000 watts

Replacement Lamps

- 6000-watt models: KT38
- 3000-watt models: HT121

Tri-Loc Rapid Registration System

- Dramatically speeds setup

Vacuum System

- 1/4 HP maintenance-free vacuum pump for rapid drawdown
- Air is drawn from the entire perimeter of the vacuum frame
- Vacuum release system (U.S. Patent No. 5,481,333) instantly releases vacuum

Support

- 24-hour hotline

Training

- Access to the M&R/NuArc Training Centers

Warranty

- One-year limited warranty excluding blanket, glass, and lamps



Shown with M&R's new Double Tri-Loc® Rapid Registration System

SPECIFICATIONS

Model	Wattage	Screen Frame Maximum OD	Vacuum Frame Size (ID)	Overall Size (HxWxD)	Electrical Requirements*	Shipping Weight
Tri-Light 6K	6000 (107 x 152 cm)	42" x 60" (124 x 173 cm)	49" x 68" (107x 155 x 188 cm)	41" x 61" x 75" (104 x 155 x 191 cm)	208/230v, 1 phase, 32/25 amps, 60 Hz 208/230v, 1 phase, 36/27 amps, 50 Hz**	1000 lbs (454 kg)
Tri-Light 3K	3000 (107 x 152 cm)	42" x 60" (124 x 173 cm)	49" x 68" (107x 155 x 188 cm)	41" x 61" x 75" (104 x 155 x 191 cm)	208/230v, 1 phase, 18/14 amps, 60 Hz 208/230v, 1 phase, 20/17 amps, 50 Hz**	1000 lbs. (454 kg)

* If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly

** Optional

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