

Freestanding Screen Printing Vacuum Frame

FEATURES

- Maximum screen frame capacities range from 91 x 127 cm (36" x 50") to 152 x 457 cm (60" x 180")
- Ideal companion for standalone screen exposure units like NuArc's 6K/3K™
- Custom sizes available

NuArc's SPVF Freestanding Vacuum Frames are sized for large and multiple screen exposures. These versatile vacuum frames can be rotated in a 360° arc, making it possible to load screens while the SPVF vacuum frame is in a horizontal position, and then rotate the frame to a vertical position for screen exposure. The frame can either face toward or away from the operator so that freestanding screen exposure units like NuArc's 6K/3K Screen Exposure System can operate from either side. In addition to the eight standard-size models of the SPVF, NuArc designs and manufactures custom sizes to match customers' needs.

Heavy-duty maintenance-free vacuum pumps on SPVF units quickly evacuate the air under the blanket. NuArc's unique manifold system ensures intimate contact by drawing vacuum evenly around the perimeter of the blanket frame. This unique approach eliminates the need to attach the vacuum directly to the blanket, adding to the longevity of the exceptionally flexible and resilient high-performance blanket material. These benefits are coupled with NuArc's custom-designed positive-seal blanket bead profile to assure intimate contact between blanket, glass, and screen frame. All models of the SPVF also have NuArc's exclusive patented vacuum release system. SPVF vacuum frames are solidly constructed of heavy-duty steel and are counterbalanced for easy, smooth rotation.



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.

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)

DESIGN & CONSTRUCTION

- 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
- Removable covers provide easy access to components to clean or replace any serviceable item
- Ships fully assembled and ready to deploy
- Square tubular steel welded frame

EXPOSURE ORIENTATION

- Frames rotate 90° from the horizontal screen-loading position—both toward and away from the operator—for screen exposures from either side

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 blankets and glass

SPECIFICATIONS

| | SPVF 3650 | SPVF 5572 | SPVF 4884 | SPVF 6084 | SPVF 60108 | SPVF 60132 | SPVF 60144 | SPVF 60180 |
|--------------------------------------|--|--|--|--|--|--|--|--|
| Maximum Frame Size | 91 x 127 cm (36" x 50") | 140 x 183 cm (55" x 72") | 122 x 213 cm (48" x 84") | 152 x 213 cm (60" x 84") | 152 x 274 cm (60" x 108") | 152 x 335 cm (60" x 132") | 152 x 366 cm (60" x 144") | 152 x 457 cm (60" x 180") |
| Vacuum Frame Size | 112 x 147 cm (44" x 58") | 160 x 203 cm (63" x 80") | 152 x 244 cm (60" x 96") | 183 x 244 cm (72" x 96") | 183 x 305 cm (72" x 120") | 183 x 366 cm (72" x 144") | 183 x 396 cm (72" x 156") | 183 x 488 cm (72" x 192") |
| Overall Size | 132 x 191 cm (52" x 75") | 180 x 246 cm (71" x 97") | 163 x 284 cm (64" x 112") | 193 x 310 cm (76" x 122") | 193 x 345 cm (76" x 136") | 193 x 406 cm (76" x 160") | 193 x 437 cm (76" x 172") | 193 x 528 cm (76" x 208") |
| Electrical Requirements ¹ | 110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW | 110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW | 110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW | 110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW | 110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW | 110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW | 110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW | 110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW |
| Shipping Weight | 227 kg (500 lb) | 306 kg (675 lb) | 363 kg (800 lb) | 431 kg (950 lb) | 476 kg (1050 lb) | 544 kg (1200 lb) | 590 kg (1300 lb) | 726 kg (1600 lb) |

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.

6K/3K™



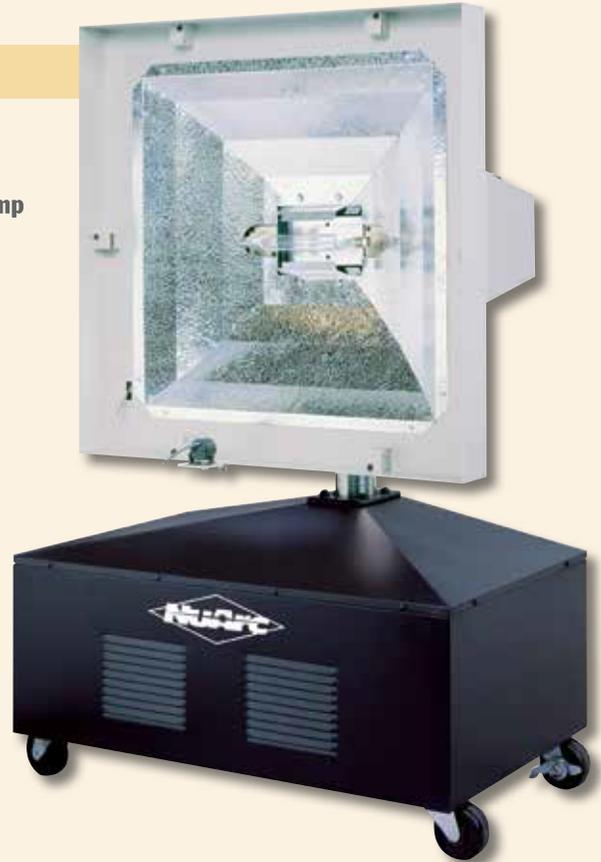
Metal-Halide Screen Printing Lamps

FEATURES

- Ideal screen exposure systems for freestanding and wall-mounted vacuum frames
- 6 kW or 3 kW instant-start multi-spectrum metal-halide screen-printing lamp
- Designed for high-production screen-exposure applications

NuArc's 6K & 3K multi-spectrum metal-halide screen printing lamps provide instant-start, shutterless operation for all freestanding and wall-mounted vacuum frames. The 6K & 3K screen printing lamps provide uniform coverage on direct, capillary, and indirect emulsions. Each model features a precise controller/integrator with photo detector, pushbutton controls, and LED readout. The shutter-free operation of screen printing lamps eliminates warm-up time and the need for mechanical screen exposure components. Height-adjustable floor stands and heavy-duty casters are standard.

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STANDARD FEATURES

CERTIFICATION

- CE & UL compliant: Built to specifications established by the European Committee for Standardization® (CE) and Underwriters Laboratories® (UL)

CONTROLLER/INTEGRATOR FOR SCREEN EXPOSURES

- LCD display with pushbutton control
- Light integrator ensures precise screen exposure times

DESIGN & CONSTRUCTION

- Heavy-duty all steel cabinet
- Heavy-duty casters
- Height adjusts to accommodate virtually any size vacuum frame
- Removable covers provide easy access to components to clean or replace serviceable items like screen printing lamps
- Ships fully assembled and ready to deploy

LIGHT SOURCE FOR SCREEN EXPOSURES

- 6 kW & 3 kW models with instant-start multi-spectrum metal-halide UV screen exposure lamps produce fast, efficient exposures
- Multi-point metal-halide UV screen exposure lamps excel on all emulsions: direct, capillary, and indirect
- Multi-spectrum metal-halide UV screen exposure lamp is easy to access and change
- Patented (U.S. Patent No. 4,339,692) 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
- Point-light source provides maximum collimation and optimum coverage to hold fine lines and dots during screen exposure

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

REPLACEMENT LAMP

- 3 kW multi-spectrum metal-halide UV screen exposure lamp: Part Number HT162
- 6 kW multi-spectrum metal-halide UV screen exposure lamp: Part Number MH153

SPECIFICATIONS

| | 6K | 3K |
|--------------------------------------|--|--|
| Electrical Requirements ¹ | 208/230 V, 1 ph, 29/28 A, 60 Hz, 6.0 kW 208/230 V, 1 ph, 26/22 A, 50 Hz, 5.4 kW | 208/230 V, 1 ph, 16 A, 60 Hz, 3.6 kW 208/230 V, 1 ph, 14 A, 50 Hz, 3.2 kW |
| Overall Size | 76 x 76 cm (30" x 30") | 76 x 76 cm (30" x 30") |
| Shipping Weight | 157 kg (345 lb) | 150 kg (330 lb) |
| Wattage | 6 kW | 3 kW |

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