

# STARLIGHT™ GEMINI



## UV LED CTS Screen Exposure System

### FEATURES

- High-output UV LEDs produce fast, inexpensive screen exposures at cooler operating temperatures
- The high density of M&R's screen-exposure LEDs provides the finest detail, the most uniform coverage, and the quickest exposures available
- Maximum screen frame size 81 x 109 cm (32" x 43") or 154 x 154 cm (60" x 60")

Starlight Gemini is NuArc's versatile twin-panel computer-to-screen (CTS) exposure system. With a vertical design and small footprint, it's ideal for quickly exposing images generated by CTS screen imaging systems like M&R's i-Image S and i-Image ST. Starlight Gemini 3243 is capable of exposing screen frames up to 81 x 109 cm (32" x 43"). Starlight Gemini 6060 is capable of exposing screen frames up to 154 x 154 cm (60" x 60").

Starlight Gemini can be used for computer-to-screen exposures and for two-sided post-curing of CTS and conventional screens. To expose a CTS screen, the operator inserts the screen into the side of the Gemini, selects Expose, chooses the correct exposure time from the controller's memory, and pushes Start. To post cure a screen that has been washed out and dried off, the operator inserts the screen into the machine, selects Post Cure, chooses the correct post-cure exposure time, and presses Start. Post cure turns on the front and rear LED panels to thoroughly harden the emulsion from both sides.

Starlight Gemini's touchscreen control center allows users to store 12-character names for each custom setting, making it easy to retrieve settings for specific emulsions and mesh counts, and Job Recall™ provides storage and retrieval of up to 48 named exposure settings (24 for Expose Mode and 24 for Post Curing Mode). The control center's countdown feature shows the Current Job, the selected mode (Exposure or Post Curing), and the remaining exposure time. Upon completion, the touchscreen shows the elapsed exposure time.



Starlight Gemini quickly exposes direct and capillary emulsions—and it's especially fast on photopolymer emulsions, which can be exposed in as little as three to five seconds (results will vary based on emulsion type and thickness). Starlight Gemini's UV LEDs save energy costs, reduce screen exposure time, speed up production, and operate at far lower temperatures than metal-halide lamps. Unlike expensive metal-halide bulbs that require replacement every year or two, Starlight Gemini's UV LED light source can last for decades. In fact, M&R is so confident in the longevity of its screen-exposure LEDs that it backs them with a limited lifetime warranty against failure in normal use. And the high density of M&R's screen-exposure LEDs provides the finest detail, the most uniform coverage, and the quickest exposures available. Starlight Gemini has more than three times as many LEDs per square inch as some competing products.

If you're looking for blazingly fast high-quality exposures in a variety of scenarios, you need Starlight Gemini.

[www.mrprint.com](http://www.mrprint.com)  
[store.mrprint.com](http://store.mrprint.com)

# STARLIGHT™ GEMINI

## STANDARD FEATURES

### CERTIFICATION

- CE Certified: Built to specifications established by the European Committee for Standardization® (CE)

### CONTROL CENTER

- Allows users to store 12-character names for custom exposure settings
- Countdown feature shows exposure time remaining
- Job Recall™ provides storage and retrieval of up to 48 named exposure settings (24 for Expose Mode and 24 for Post Curing Mode)

### DESIGN & CONSTRUCTION

- Self-contained design speeds production by allowing placement in light-safe screen-coating rooms
- Ships fully assembled and ready to deploy
- Vertical space-saving design makes it easy to fit into cramped screen rooms

### LIGHT SOURCE FOR SCREEN EXPOSURES

- Dramatically reduces exposure time
- High-output UV LEDs excel on all emulsions: direct, capillary, and indirect
- The high density of M&R's screen-exposure LEDs provides the finest detail, the most uniform coverage, and the quickest exposures available
- Twin LED panels—one on each side of the screen—dramatically reduce post curing time on discharge and water base emulsions
- UV LEDs use far less energy than metal halide lamps and are only on during the exposure process
- UV LEDs run cooler, reduce screen exposure time, and speed up production

### 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](http://store.mrprint.com)
- One-year limited warranty
- The screen-exposure LEDs used in this equipment carry a limited lifetime warranty against failure in normal use



The START screen is displayed after exposure mode and time have been selected or recalled



During exposure or post-curing the screen displays the exposure mode and time remaining



When the process is complete, the touchscreen shows EXPOSURE COMPLETE and exposure time

## SPECIFICATIONS

	Starlight Gemini 3243	Starlight Gemini 6060
Electrical Requirements <sup>1</sup>	208/230 V, 1 ph, 5.2 A, 50/60 Hz, 1.2 kW	208/230 V, 1 ph, 15 A, 50/60 Hz, 3.4 kW
Maximum Screen Frame Size	81 x 109 cm (32" x 43")	154 x 154 cm (60" x 60")
Overall Size with Stand (H x W x D)	122 x 87 x 59 cm (49" x 34" x 23")	173 x 160 x 59 cm (68" x 63" x 23")
Shipping Weight	181 kg (400 lb)	318 kg (700 lb)

<sup>1</sup> 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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