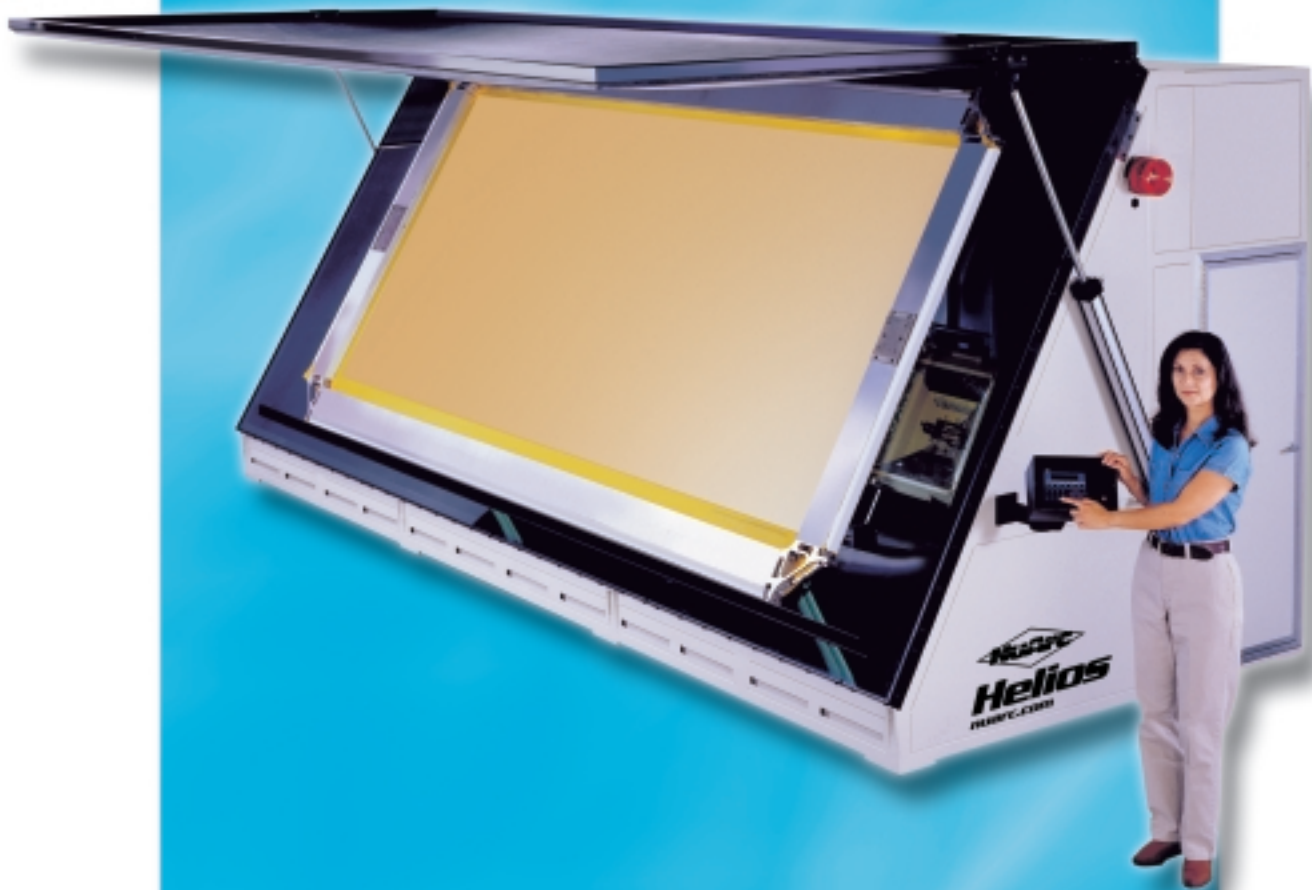




Helios

Large Format Screen Exposure System

Eng



Helios™

NuArc's largest screen exposure system offers the ultimate in computerized operation. Three Job Recall keys allow operators to program Helios for repeated one-touch exposure operations. Once the user has entered the exposure sequence settings, Helios will repeatedly perform the entire sequence—from automatic door closing through automatic lamp centering, vacuum draw down, screen exposure, vacuum release, blowback, and door opening—at the touch of a single button. The computer-directed pneumatic door prevents the vacuum frame from twisting and frees operators from the tedious task of manual operation. Other vacuum system features include improved heavy-duty blanket material, automatic vacuum break, and a static electricity reduction system.

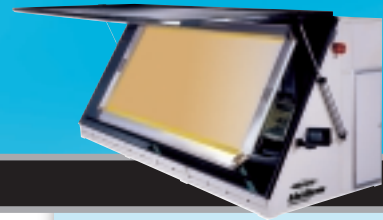
Powerful instant-start 6000-watt multi-spectrum lamps speed production while retaining fine lines and dots. Computer-generated diagnostics monitor all functions and speed problem identification and resolution. The exposure angle on Helios is designed to ease screen loading and glass cleaning, and its Light-Loc feature automatically shuts off lamps if the door is opened, allowing Helios to be located in darkrooms. Maximum screen capacity ranges from 60" x 72" (152 x 183 cm) to a phenomenal 82" x 180" (208 x 457 cm), and dual lamps are standard on models designed for screen sizes of 82" x 106" (208 x 269 cm) and larger.

Helios is an exceptionally fast, quiet, and efficient large format exposure system, with an ergonomic design that's extremely user-friendly. It's also built with NuArc's attention to quality, durability, and design excellence, and backed by NuArc's award-winning service.

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Helios

Large Format Screen Exposure System



Standard Features

Blanket

- Automated power door prevents the vacuum frame from twisting
- Blanket frame is pneumatically operated and opens and closes under computer direction
- Exceptionally flexible and resilient material assures intimate contact and blanket longevity
- Unique manifold system provides contact by drawing air through holes in the blank frame tube

Controller/Integrator

- Computer-controlled system to monitor lamp life
- Computer-generated diagnostics speed problem identification and resolution
- Computer memory settings for storage of exposure values, vacuum values, and lamp positioning
- Fully automatic
- Job Recall allows operators to store & sequence multiple functions on each of three buttons for one-touch exposure operations
- LCD display
- Pushbutton control

Design & Construction

- ½" (1.27 cm) thick plate glass
- 2" (5 cm) square welded structural tubular steel blanket and glass frames
- Angled design simplifies screen loading and glass cleaning
- Cabinet is fully enclosed

- Ceiling/Door clearance is under 8' (244 cm)
- Centrally located pneumatic controllers
- Heavy-duty all-steel cabinet
- Self-contained design speeds production by allowing placement in darkrooms
- Ships fully assembled and ready to deploy

Electrical

- Helios 6072 & 7296: 208/230v, 1phase, 27/21 amps, 60 Hz
- Helios 82106, 82156, & 82180: 208/230v, 1phase, 54/42 amps, 60 Hz

Light Source

- 6000-watt lamp
- Computerized lamp centering
- Computerized light balance and lamp life monitoring systems
- Dual lamps on models over 100" (254 cm)
- Instant-start lamp eliminates warm-up and idling times, saving energy and reducing heat build-up
- Lamp is easy to access and change
- Light source delivers fast, efficient exposures
- Multi-spectrum metal-halide lamp
- Point-light source provides maximum columniation and optimum coverage to hold fine lines and dots
- Shutter-free operation eliminates mechanical problems

Options & Accessories

Electrical

- Helios 6072 & 7296: 208/230v, 1phase, 30/27 amps, 50 Hz
- Helios 82106, 82156, & 82180: 208/230v, 1phase, 60/54 amps, 50 Hz

Replacement Lamps

- PM78 (multi-spectrum)

Vacuum System

- Air is drawn from the entire perimeter of the vacuum frame
- Dual air-driven pumps are fast, quiet, and efficient
- Heavy-duty, maintenance-free vacuum pumps for rapid drawdown
- Unique air blowback system, dispels vacuum after exposures are completed

Support

- 24-hour hotline

Training

- Access to the M&R/NuArc Training Centers

Warranty

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

SPECIFICATIONS

Model	Screen Frame Maximum OD	Vacuum Frame Size (ID)	Overall Size (HxWxD)	Lamps	Air @ 100 PSI	Electrical Requirements*	Shipping Weight
Helios 6072	60" x 72" (152 x 183 cm)	69" x 81" (175 x 206 cm)	76" x 100" x 91" (193 x 254 x 231 cm)	6K Instant Start @1	15 scfm	208/230v, 1phase, 27/21 amps, 60 Hz 208/230v, 1phase, 30/27 amps, 50 Hz**	1940 lbs (880 kg)
Helios 7296	72" x 96" (183 x 244 cm)	81" x 105" (206 x 267 cm)	86" x 124" x 91" (218 x 315 x 231 cm)	6K Instant Start @1	15 scfm	208/230v, 1phase, 27/21 amps, 60 Hz 208/230v, 1phase, 30/27 amps, 50 Hz**	2421 lbs (1098 kg)
Helios 82106	82" x 106" (208 x 269 cm)	91" x 115" (231 x 292 cm)	96" x 134" x 91" (244 x 340 x 231 cm)	6K Instant Start @2	15 scfm	208/230v, 1phase, 54/42 amps, 60 Hz 208/230v, 1phase, 60/54 amps, 50 Hz**	3106 lbs (1409 kg)
Helios 82156	82" x 156" (208 x 396 cm)	91" x 165" (231 x 419 cm)	96" x 184" x 91" (244 x 467 x 231 cm)	6K Instant Start @2	15 scfm	208/230v, 1phase, 54/42 amps, 60 Hz 208/230v, 1phase, 60/54 amps, 50 Hz**	4364 lbs (1980 kg)
Helios 82180	82" x 180" (208 x 457 cm)	91" x 189" (231 x 480 cm)	96" x 208" x 91" (244 x 528 x 231 cm)	6K Instant Start @2	15 scfm	208/230v, 1phase, 54/42 amps, 60 Hz 208/230v, 1phase, 60/54 amps, 50 Hz**	4998 lbs (2267 kg)

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

** Optional configuration

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