



TW43™ & TW52™

Twin Vacuum Frame Exposure Systems

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TW43 & TW52

NuArc's TW43 and TW52 Twin Vacuum Frame Exposure Systems provide superb exposures at exceptional speed. NuArc's overhead-mounted System 631 multi-spectrum metal halide lamp provides light intensities of 6000, 3000, and 1000 watts, and features NuArc's new Proportional Temperature Control (PTC). PTC reduces energy consumption and ambient heat, maintains optimum lamp temperature, and keeps lamp output spectrally the same under all power output levels. EZ-Plus controller/integrators provide thirty channels each to control vacuum & pressure times, the duration and intensity of exposure, the operation of motorized filters (if installed), and the selection of photocell. Dual vacuum frames allow users to prepare one frame while another is being exposed, to set up for different press sizes, and to easily switch from plating to proofing. NuArc's patented NuVac Instant Vacuum System utilizes two pumps per frame. One pump creates bleeder channels and exerts extra pressure for absolute contact. The second pump creates vacuum to evacuate trapped air. Together, they ensure outstanding resolution and excellent registration. One-button operation shuttles the two chain-driven frames on ball bearings for smooth, consistent operation. The units can be disassembled to fit through a 36" (91 cm) opening. Like all NuArc equipment, TW43 and TW52 are built with NuArc's attention to quality, durability, and design excellence, and are backed by NuArc's award-winning service.

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Twin Vacuum Frame Exposure Systems

Standard Features

Controller/Integrator

- Dual EZ-Plus™ controller/integrators—one per vacuum frame
- EZ-Plus™ 30-memory controller/integrator controls vacuum & pressure times, the duration and intensity of exposure, the operation of motorized filters (if installed), and the selection of photocell

Design & Construction

- Ball bearings provide smooth, consistent vacuum frame movement
- Chain-driven movement is positive and trouble-free
- Gas lift-arm assisted vacuum frame opening
- Heavy-duty all-steel cabinet
- Negotiates a 36" (91 cm) opening when disassembled (rewiring not required)
- One-button frame-shuttle control

Electrical Requirements*

- 208/230v, 1 phase, 37.5/29.0 amps, 60 Hz

Light Source

- Height adjustable
- Intensity adjusts to 6000, 3000, & 1000 watts
- Multi-spectrum metal-halide lamp
- Proportional Temperature Control (PTC) reduces ambient heat during daily operation, reduces energy consumption, and improves control over lamp operating temperature
- Track-mounted housing and removable reflector make lamp replacement easy

NuVac™ Instant Vacuum System

- Assures highest resolution, intimate contact, and perfect registration in seconds
- Automatically creates channels that act as bleeder strips to evacuate air swiftly and systematically
- Heavy-duty maintenance-free vacuum/pressure pumps (two per frame) for rapid drawdown
- Patented (U.S. Patent No. 4,935,773)

Size (HxWxD)***

- TW43: 80" x 63" x 93"
(202 x 160 x 236 cm)
- TW52: 80" x 73" x 110"
(202 x 185 x 279 cm)

Support

- 24-hour hotline

Training

- Access to the M&R/NuArc Training Center

Warranty

- One-year limited warranty excluding glass and lamps

Options & Accessories

Electrical Requirements*

- 208/230v, 1 phase, 45.0/30.2 amps, 50 Hz

Filters

- Automatically move into place only when called for by the controller
- Motorized Kokomo & Clearing Filters (ME29)
- Permit plating or proofing operations in either frame at any time

Replacement Lamps

- LY33
- MH153



SPECIFICATIONS

Model	Wattage	Usable Area	Size (HxWxD)***	Electrical Requirements*	Shipping Weight
TW43	6000, 3000, & 1000	32" x 42" (81 x 107 cm)	80" x 63" x 93" (202 x 160 x 236 cm)	208/230v, 1 phase, 37.5/29.0 amps, 60 Hz 208/230v, 1 phase, 45.0/30.2 amps, 50 Hz**	2300 lbs (1043 kg)
TW52	6000, 3000, & 1000	41" x 52" (104 x 132 cm)	80" x 73" x 110" (202 x 185 x 279 cm)	208/230v, 1 phase, 37.5/29.0 amps, 60 Hz 208/230v, 1 phase, 45.0/30.2 amps, 50 Hz**	2600 lbs (1179 kg)

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

** Optional

*** Maximum extension: 100" (254 cm); Minimum clearance required above lamp head: 8" (21 cm)

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