

# Installation and Operation

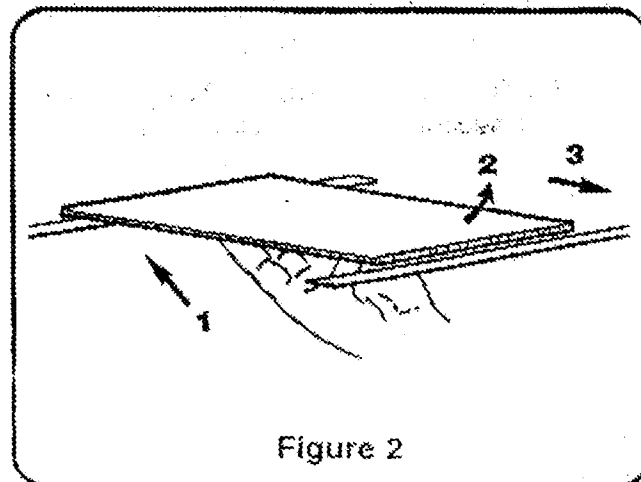
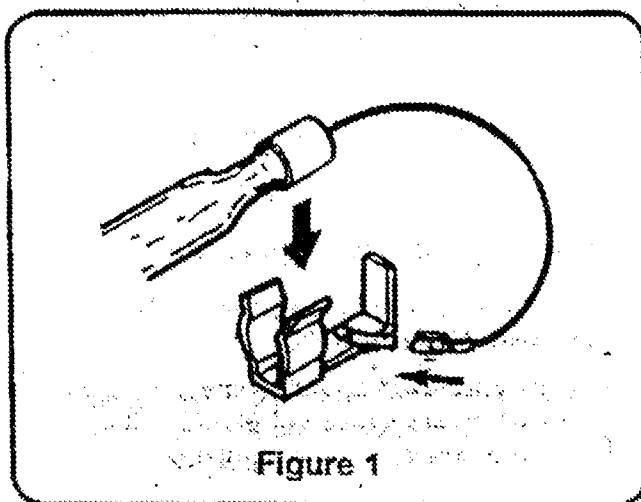


## NL22-8C(D) Metal Halide Exposure System

### NL22-8C

1. Remove unit from box and place it on a flat, level surface where it will be used.
2. Locate and carefully open the boxes that contain the lamp and the safety glass.
3. Wearing the white gloves provided in the lamp box, insert the lamp into the lamp clips. Then connect the leads on the lamp to the terminals on the lamp clips. See Figure 1.
4. Install the safety glass. See Figure 2. When properly installed, the glass should be seated on the front and rear glass supports.
5. Plug the unit into a 120 volt, 15 amp service. Your exposure unit is now ready for operation.

For operating instructions see other side.



### NL22-8CD

1. Remove unit from box and place it on a flat, level surface near the area it will be used. Position the unit so that you are facing the rear of the unit.
2. Remove the rear transparent light shield. Note the 4 guides at each corner of the light shield. Lift the shield slightly, align the lower guides with the bottom track cutouts, and push the lower portion of the shield inward. Allow the top guides of the shield to lower along the track until the guides align with the cutouts in the track. Slide the top guides through the cutouts, then completely remove the light shield from the unit.
3. Locate and carefully open the boxes that contain the lamp and the safety glass.
4. Wearing the white gloves provided in the lamp box, insert the lamp into the lamp clips. Then connect the leads on the lamp to the terminals on the lamp clips. See Figure 1.
5. Install the safety glass. See Figure 2. When properly installed, the glass should be seated on the front and rear glass supports.
6. Re-install the rear light shield. Reverse the procedures in #2.
7. Position the unit in the location where it will be used.
8. Plug the unit into a 120 volt, 15 amp service. Your exposure unit is now ready for operation.

For operating instructions see other side.

**Caution:** Before installing or operating this unit, read these instructions thoroughly. Never look directly at the lamp when it is on.

Extra fuses are provided for your convenience. They are taped next to the appropriate holders. When replacing a blown fuse, always use the proper replacement fuse.



# nuArc company, inc.

## GRAPHIC ARTS EQUIPMENT

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### NL22-8C(D) VOLTAGE ADJUSTMENT

This unit is designed to operate on a line voltage of 95-125 volts.

It has been factory set for 110V.

If voltage tap needs to be adjusted:

- 1) Disconnect unit from power.
- 2) Remove the screws that hold the bottom rear panel of the unit and remove panel.
- 3) Locate the large transformer on the left side as you face unit.
- 4) The brown wire on tap number 4 should be moved to proper tap per chart below.

### VOLTAGE CHART

VOLTS	TAP
95 - 105	#3
106 - 115	#4
116 - 125	#5

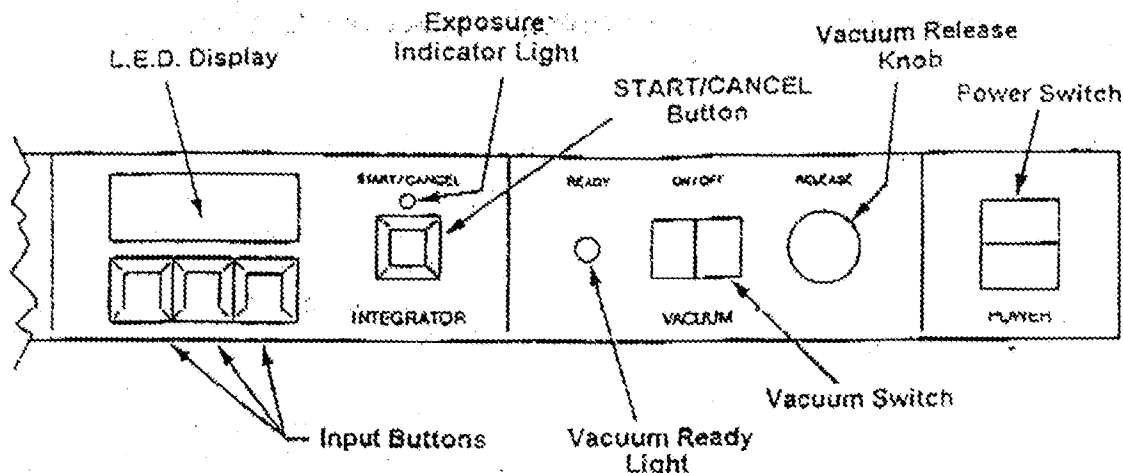
TAP NUMBER IS ON SIDE OF COIL.

- 5) Replace bottom panel and reconnect to power.

*Serial #*

Rev. 3/93

#610



## Operation

1. Turn the Power switch ON. The L.E.D. display will show the last exposure time that was used. If the exposure time needs to be changed, depress the Input Buttons to show the desired exposure time. Each button controls the digit directly above it.
2. Grasp and lift the Tilt-Top handle. The tilt-top will be supported in the open position by the 2 gas springs.
3. Insert the materials to be exposed and place in the center of the blanket. Lower the tilt-top to the closed position.
4. Press the Vacuum button. The vacuum pump will start and the green vacuum 'Ready' light will begin flashing. After the preset vacuum time has finished (approximately 30 seconds), the vacuum 'Ready' light will stop flashing and remain on.
5. Press the 'Start/Cancel' button. The exposure will begin and the red exposure indicator light will turn on. The L.E.D. display will begin to count down to 000.  
**NOTE:** A built-in delay of approximately 30 seconds between exposures allows the lamp to cool sufficiently. If the lamp does not turn on when the 'Start/Cancel' button is pressed, the lamp has not cooled sufficiently. Do not turn the unit off or press the 'Start/Cancel' button again. The lamp will turn on automatically after the lamp has cooled enough.
6. When the exposure is completed, the exposure indicator light will turn off and the integrator will reset and show the exposure time.
7. Press the Vacuum button. The vacuum pump will turn off. For quick evacuation of vacuum, turn the 'Release' knob counter-clockwise. After 2-3 seconds, turn clockwise to original position.
8. Open the tilt-top and remove the materials.

## Adjusting Vacuum Drawdown Time

1. Vacuum drawdown time has been set at the factory for 30 seconds.
2. The vacuum drawdown time can be adjusted by using the VACUUM TIME ADJUST screw located on the right side of the unit.
3. Turning the screw clockwise lengthens the drawdown time and turning the screw counter-clockwise shortens the drawdown time.

**NOTE:** The VACUUM READY light flashes at 1 second intervals and can be used as a reference in adjusting drawdown time.

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