

Precision

SECTION **3**

**EXPOSURE
MODULE**

• EXPOSURE MODULE •

The PRECISION Exposure Module is one of the most unique features of your system. The entire exposure unit mounts directly on the print arm. This allows for you to expose your screens in the exact location and position that you will be printing.

To install your exposure unit, remove the shirt board from the platen arm. The exposure unit has a built in mounting tube with the opening on the back of the unit. Position the exposure unit in line with the tube opening and slide the entire unit onto the platen arm until it stops. Using the knob located on the right side of the exposure unit (facing), tighten clockwise until the exposure unit is secure on the arm. Do not overtighten. Now your exposure unit is level and ready to use.

Next, plug the power cord into the receptacle located at the back of the exposure unit. The power cord that's included with your system is used for both the exposure unit and the circulating fan feature of the drying cabinet.

On the exposure unit control panel is the main power switch, located on the right hand side, and on the left is the digital countdown timer. The "UP" arrow increases the time the lights are on while the "DOWN" arrow decreases the amount of time. The red panel is the l.e.d. readout and the timer is activated using the "START/STOP" button. The timer has an audible indicator to let you know when the pre set time has expired. After the time has expired the lights will automatically turn off and the timer will reset to the previous programmed time setting. You can interrupt the exposure process at any time by pressing the "START/STOP" button.

After use, to remove the exposure unit unplug the power cord, turn the locking knob counterclockwise and slide the unit from the arm. The bottom shelf on your Precision printer is the storage location for the exposure unit.

Instructions for the actual screen exposure process are found in this manual at section 5, "PRE-PRESS".

• LIGHT TABLE FEATURE •

The Exposure Module also serves as a light table for proofing artwork and screens. The white, translucent plexiglass panel that you receive with the system is inserted under the glass on the exposure unit and acts to soften and diffuse the light so you can work directly on the lighted surface. Be certain to remove the white panel before exposing screens.

• PIN REGISTER FEATURE •

An important feature of the system is the ability to align your film positives so they register perfectly before the screen exposure process. On the front of the exposure unit, just above and behind the control panel, are 3 white pins. The pins align with the pre-punched holes that are found in the 4 clear mylar "carrier" sheets that are included with your supply package.

Registering and re-registering your artwork is simple and very accurate when you use the pin registration feature. To successfully align and register your positives, follow these steps;

- Make sure your exposure unit is all the way on the platen arm, secured using the tightening knob, and the power cord is attached.
- Place the white translucent panel under the glass.

- Turn on the main power switch.
- Using the "UP" arrow on your timer, push and hold it down to run the time up to several minutes so you have time to work without the lights turning off. Press "START" and the lights will come on.
- Place your first pre-punched mylar carrier sheet onto the exposure unit and locate it over the pins.
- Place your first film positive onto the mylar carrier sheet and position it so you're satisfied that it is where you want it located in relation to the screen. Using cellophane tape, tape the positive in place on the mylar carrier sheet. (NOTE) If this is to be a one color print, you're done, if two or more colors are involved continue on.
- Place another punched mylar carrier sheet on top of the one you've just completed. Place the second film positive on top of this carrier sheet and align the registration marks on the second positive to those on the first positive. When you're sure they are aligned, tape the second positive in place on the second carrier sheet.
- For succeeding colors simply repeat the process until you have all of your color separations registered one on top of the other.
- Now you can remove the layers of positive/carrier sheets and set them aside until you're ready to expose screens knowing that when you place them back on the exposure unit to burn your screens that each one will re-register perfectly. This is a tremendous time saver and guarantees uniform image placement on every job.
- Turn off the lights and remove the white panel from the exposure unit.
- Reset the timer to your pre-determined exposure time and your exposure unit is ready to burn screens.