



OPERATING INSTRUCTIONS FOR QUICK SILVER™ AUTOFLASH AUTOMATIC SCREEN PRINT DRYER (U.S. patent)

Approximate assembly time: Ten minutes

ASSEMBLY

1. Carefully unpack the shipping carton to reveal the floor stand base, vertical column and dryer head with attached control panel assembly.
2. Place the base on the floor. Next, insert the vertical column into the receiving tube of the base so that the restricted end of the vertical column contacts the 5" long (127mm) spring. Finger tighten the tensioning bolt to loosely secure the completed assembly.
3. Install the dryer head with attached control panel assembly by lowering onto the vertical column. Using a 9/16" hex wrench, secure dryer head assembly to vertical column by tightening tensioning bolt provided. Caution: Do not over tighten.
4. Final height adjustment can be made by raising or lowering vertical column into floor base receiving tube (with spring installed). For safe operation always make certain that a minimum of 3 inches (76.2mm) of the vertical column is secured within the upper receiving tube and a minimum of 6 inches (152.4mm) of the vertical column is secured within the lower receiving tube. (Note: If the length of the column restricts you from making an unusually low height adjustment, it may be necessary to shorten the length of vertical column to fit. Please call Intek service technician at 1-800-357-8559 or 314-296-3998 before attempting any design modifications.)
5. Make certain the lighted on-off switch is in the "off" position, then plug the unit into any suitable power outlet. A variable speed motor control is located on the bottom of the control panel hidden from view. It will rarely be used, but may be helpful during startup and set up operations. A slow setting (turn control shaft counterclockwise) is advised which will allow you to carefully inspect each step of during startup. Once assembly is complete, the speed setting can be increased by turning the control spindle clockwise to provide a faster shuttle speed suitable for production requirements.
6. Turn lighted on-off switch to the "on" position and adjust the speed control to suit.
7. Varying results can be achieved by adjusting the dryer temperature, dwell time, and/or the dryer height. To control the heat to suit your application adjust the heat control marked "% of total output." We suggest 0% (no heat) during startup, then as much as possible, up to 100% for full production. Use the variable dwell timer (0 - 60 second duration) to control the length of time that the dryer is exposed to the item being dried/cured.

RULES FOR SAFE OPERATION

1. CAUTION: As with any heating device, do not leave this dryer unattended during operation.
2. Never allow sharp objects to penetrate element face (working side) of dryer.
3. Never use in a wet or explosive atmosphere, such as may be present near food preparation or combustible work areas. Always provide adequate ventilation.

4. **WARNING:** To reduce the risk of fire, electrical shock, and/or personal injury, always unplug dryer before cleaning or servicing and completely reassemble parts as originally provided before reconnecting to power supply.
5. Always pre-test curing applications, inks and substrates to determine your specific requirements before proceeding. See information below for further suggestions.

GENERAL OPERATING INSTRUCTIONS

1. Before operating make certain power outlet is suitable to match AutoFlash design as designated on control panel nameplate. Energize AutoFlash using rocker switch provide on side of unit. Switch should light indicating power is applied. (If light does not light check fuse and power supply for source of problem.)
2. **Motor Speed Control:** While perform preliminary start up procedures set motor speed on slow setting. Motor speed control is located on the underside of the control panel. Turn dial spindle counterclockwise to reduce speed during setup and clockwise to increase speed after setup is complete.
3. **Dwell Timer:** Dwell timer can be set for variable times in the range of 1-60 seconds. The scale on the control represents tenths of minutes.
4. **Heat Control:** Heat control is adjustable from 0% to 100% total heat output. Set the control at 0% while adjusting height and speed of the unit. After height and speed have been set turn heat control to the settings recommended below.
5. **Height & Dry Time Setting:** Adjust the AutoFlash dryer to a distance of 1" – 6" away from the substrate using the information below:

<u>APPLICATION</u>	<u>DISTANCE FROM HEATER</u>	<u>HEAT SETTINGS</u>	<u>APPROX. DWELL TIME</u>
Water base Inks	4.0" - 6.0"	60 – 100%	45 - 60 Seconds
Plastisol, Flash	2.0" - 3.0"	100%	1 - 10 Seconds
Plastisol, Full Cure	2.0" - 3.0"	100%	30 - 45 Seconds
Nylon, Preheating	3.0" – 4.0"	50 – 70%	5 - 10 Seconds
Nylon, Flash	2.0" – 3.0"	100%	5 - 10 Seconds
Nylon, Full Cure	2.0" – 2.0"	60 – 100%	15 - 20 Seconds

NOTE: Remember, these are suggestions only and are not to be considered final settings. Always test on scrap material first to insure that you have achieved desired results before proceeding.

MAINTENANCE

1. **CHAIN TENSION...** Tension can be checked visibly from the underside of the unit with the heater in the extended position. Generally speaking, if the chain needs tightening you will observe the chain sagging under its own weight. If this condition is observed tension can be increased by removing the control panel cover. To perform chain tightening, remove the nine small phillips head sheet metal screws securing the control panel cover. With the screws removed gently roll the control panel cover forward until it rests on the sheet metal housing covering the heater portion of the unit. To adjust the chain use a ¾" open end wrench to turn the tensioning bolts one way or the other as desired. When desired chain tension is achieved make certain that the 4 nuts are securely fastened against the motor mounting plate.
2. **FUSE...** Replace with AGC 3A fast blow fuse only to avoid damage to motor circuit.