

LF-4464 SOLO & TWIN

44" x 64" Large Format Heat Press

OWNER'S MANUAL

Installation, Operation and Care of HIX LF-4464



LF-4464 Twin



CORPORATION

For Customer Service, Call **1-800-835-0606**

or Visit www.hixcorp.com

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BEFORE warranty repair you MUST get Prior Authorization:

INTRODUCTION

KEEP THIS MANUAL FOR FUTURE REFERENCE

BEFORE WARRANTY REPAIR YOU MUST GET PRIOR AUTHORIZATION

Thank you for purchasing the HIX Large format press. It has been designed and manufactured to help your business be successful. For questions and inquiries, we are always at your disposal under following phone number: 800-835-0606 (M-F 8am-5pm Central) or online at

www.hixgraphics.com/large-format-sublimation-press-lf-4464

Sublimation is defined as the process of change from a solid to a gas state without passing through a liquid phase. When heated, sublimation dyes bind permanently with the molecules of the substrate. Under the right pressure and temperature condition, the substrate molecules open up and allow the gaseous dye molecules to become trapped upon cooling. This color “trapping” results in a nearly undetectable “hand” or sensation of any physical change of the substrate. Dye sublimation shirts retain the original feel of their fabric, breathability and wicking characteristics. Non-textile substrates – mugs, cellphone cases, photoimaging wooden or metal plates, etc. – show their color designs in unusual vibrancy and color retention. Since color is now also more than a superimposed layer, the design is also generally better protected against abrasion.

The sublimation works on polyester, either as a fabric or as a coating on non-textile substrates. The process does not work on cotton except when the cotton is spun in combination of a substantial percentage of synthetic material. However, since only the polyester fabric traps the sublimation dye, there is a direct relationship between the vivacity and longevity of the images and their synthetic content.

Dye sublimation inks are translucent. As a result, printing on dark substrates can only occur if printing on a white underbase (in the case of fabric) or on a white panel (in the case on non-textile).

Over the past 20 years, the use of inkjet printers to create sublimation dye transfers has grown exponentially, partly because of its growing popularity, but also because of the declining price of dedicated desktop-size sublimation printers. Popularization of the technique has created such a demand that these printers have now become accessible to many small business willing to expand into this field. Key among sublimation's advantages is the ability to produce accurate colors, fine detail and durable prints.

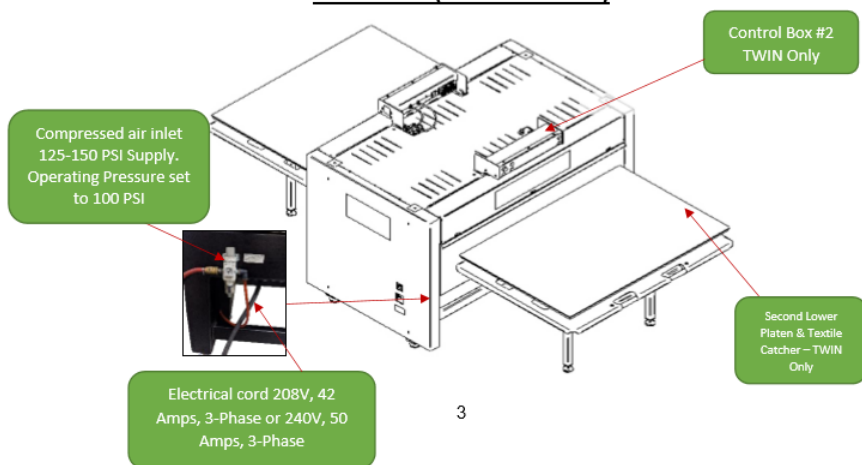
NOTE: There are many variables involved in sublimation such as the size, shape and type of coating of the substrate which affects the sublimation process. Other variables such as different brands of sublimation printers, inks and paper all require a certain amount of trial and error. Always refer to SUGGESTED SUBLIMATION GUIDELINES for temperatures and times for various substrates according to the substrate manufacturer.

OVERVIEW

Front View (TWIN SHOWN)



Rear View (TWIN SHOWN)



SAFETY INSTRUCTIONS

Before installing or operating the unit, be sure to read all instructions thoroughly. Disconnect all electric power and compressed air before performing any maintenance on the unit. Never operate this equipment with any electrical covers removed. Contact a licensed electrician if maintenance is required while the machine is connected to power.

MANUAL CONVENTIONS



Hot Surface Decal



Pinch Point Warning



Electrical Shock Warning



Special Warning or Advisory

IMPORTANT SAFETY REGULATIONS

This heat press can be dangerous if used inappropriately or when used for a non-intended purpose. For these reasons the following must be adhered to:

- The heat press may only be used for printing on materials that are resistant to pressure and heat. HIX Corporation is not liable for resulting damages to the press or substrate if the press is used in a non-intended manner. Modifications to the press in any form are not recommended for safety and warranty reasons.
- Do not allow any liquid to reach any of the electrical components or heating elements.
- Do not insert any objects into vents located on the top cover.
- Insure that the supplied voltage matches the voltage stated on the serial I.D. decal.
- If an extension cord is used to supply power to the press, insure that the cord and any electrical plug/receptacle used has adequate voltage and current capacity.
- Operation of the press is to be performed by trained personnel only who have read this manual and understand all safety aspects of the machine.
- General legal and other binding regulations for accident prevention and environmental protection are to be considered in addition to this instruction manual.

INSTALLATION & SETUP

WORKING WITH THE HEAT PRESS



Do not touch the lower part of the heat platen while the press is in service, otherwise burns will occur. Please note that there is still a danger of being burned even after the press has been turned off.

Be aware that the hand protection guard(s) and the housing may also be warm or hot during normal operation.



During the operation of the heat press, and especially during the cycling of the heat press, never put your hand between the lower platen and the heat platen. Furthermore, make sure that no other person or “non-operator” is within proximity of the heat press during operation.



If you print articles greater than 1mm / 0.05 inch thickness which cover less than 1/3 of the center of the lower platen follow instructions on page 26 to avoid heavy structural damage to the machine.



Make sure that the articles to be printed do not have sharp edges, which may damage the lower silicone pad and / or the heat platen. If sharp objects (like zippers) are unavoidable they must be covered by a thin tear- proof and heat resistant material.

UNPACKING & INSPECTION



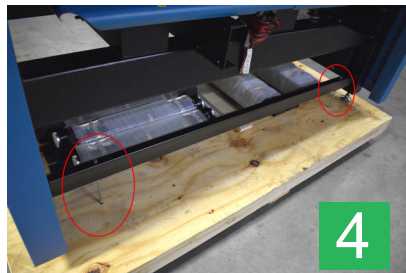
1. Once outer crate is removed, remove the 4 bolts securing the platen and second trolley on to the top of the LF 4464. (TWIN ONLY) (1).

2. With a forklift, lift the second trolley and platen pallet off the top of the press (2).

3. There are 4 long bolts securing the press to the bottom pallet. Remove these bolts (3).

4. With a forklift, lift the press off the pallet carefully (4).

5. The leg kits, braces, foam pads, and control boxes are secured to the bottom pallet with screws. Remove the pieces from the pallet (5).



TWIN PLATEN INSTALLATION & SETUP



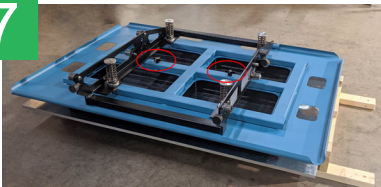
CAUTION: PARTS ARE UNSTABLE AND ARE VERY HEAVY - USE CAUTION HANDLING AND USE TWO PEOPLE WHEN HANDLING THESE PARTS!!

6. Cut the strap from the pallet/trolley/textile catcher/platen bundle.

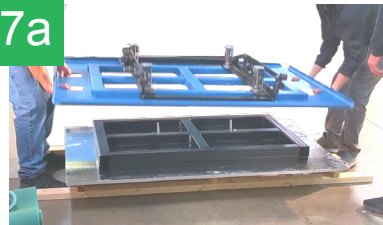


7. Remove the lower platen retaining knobs from the base plate (7) and lift the trolley/textile catcher off the threaded rods (7a). Take the two lower platen spacers (7b) from the threaded rods. Lay all parts aside for now.

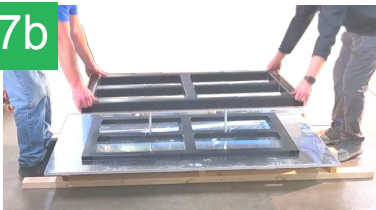
7



7a



7b



INSTALLATION & SETUP

8. Unpack remaining parts - Control Panels, C Channel and leg supports (8).



ALIGNMENT & MOUNTING

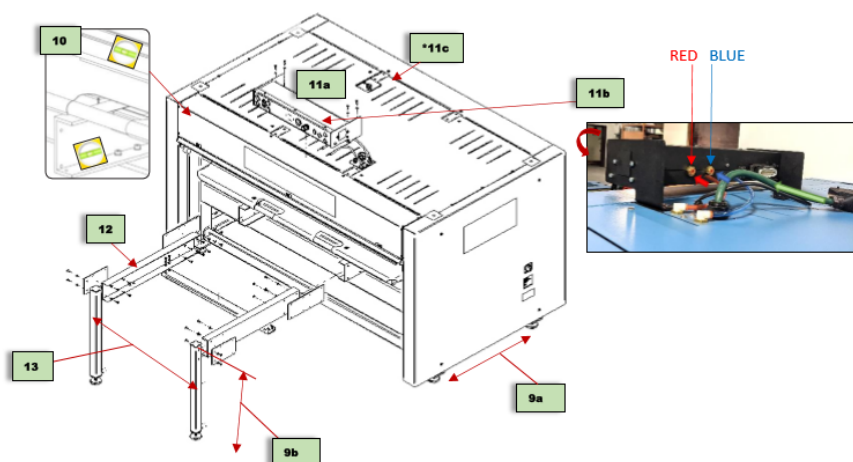
HEAT PRESS HEIGHT ADJUSTMENT AND FRONT PLATE MOUNTING

9. Machine working height is adjusted with the four machine level mount feet (9a). Nominal Height for the lower platen is 34-7/8" from the floor (9b).

10. Level the machine by placing a carpenter's level on the machine so it is level "left to right" and also "front to back" (10).

a. To do so, first place the level on the lower platen as shown in detail in figure 10 and level the heat press in this direction "left to right". b. Secondly, place the level on the C Channel to level the heat press in this longitudinal direction "front to back".

11. Install the control panel box on the top of the unit (11a). Connect the two air lines and the electrical plugs on the back side of the control box (11b). (There will be two control boxes FOR TWIN ONLY (*11c).



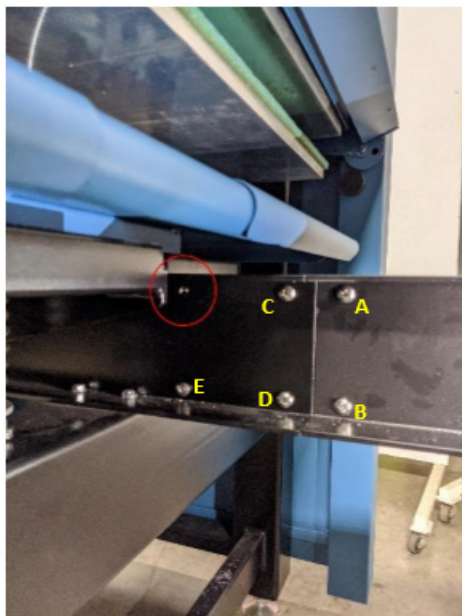
ALIGNMENT & MOUNTING

12. Attach the legs to the extension guide rails. Tighten all fasteners securely (12).
13. Using a carpenters level, adjust the height of the levelers on the legs so that the extension guide rails are level.



ALIGNMENT & MOUNTING

14. Install the extension guide rails onto the C-profile rail mounted in the heat press. Tighten fasteners A through E.



15. Remove the shipping banding on the trolley on the back side of heat press. Ensure that the trolley remains in any given position once released. If it doesn't, then the machine is not level. Repeat step 2 to ensure the machine is level.



ALIGNMENT & MOUNTING

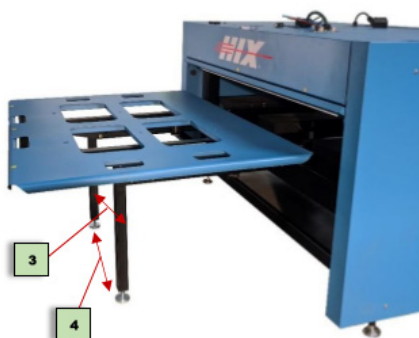
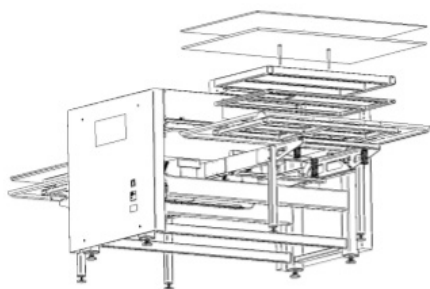
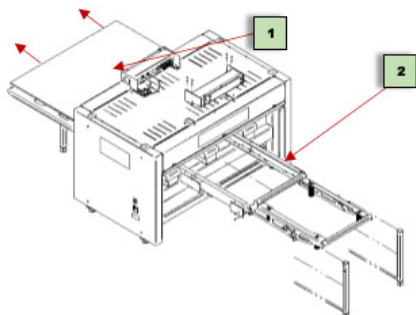
16. ***IMPORTANT*** **Fastener F:** You will need to roll trolley completely out, in order to fasten. See below (16).



TWIN ASSEMBLY

MOUNTING TROLLEY/TEXTILE CATCHER & LOWER PLATEN (TWIN VERSION ONLY)

1. Roll the solo trolley/textile catcher onto the C Channels, and leave in the outward position(1).
2. Using two people, slide the trolley into the C Channels as shown.
3. Install the twin extension guide rails onto the C Channels mounted in the heat press. Tighten all fasteners (2).
4. Install the two support legs (3) onto the extension guide rails and tighten all fasteners.
5. Level the extension guide rails by using the levelers (4) installed on the bottom of the two support legs.



TWIN ASSEMBLY

LOWER PLATEN MOUNTING / HEIGHT ADJUSTMENT

The lower platen spacers frames serve to adjust the space between the pad and the upper heat platen to allow for different thickness substrates.

(See section “Height adjustment of lower platen”)

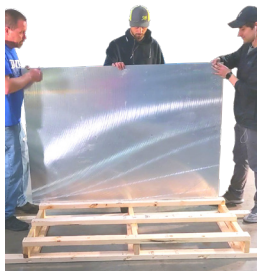
The following instructions describe the assembly. If you need to adjust the height later during operating the press, just follow the instructions in a reverse order.

ASSEMBLY (THREE PEOPLE REQUIRED)

1. Put the two lower platen spacers frames serve to adjust the space between the pad and the upper heat platen to allow for different thickness substrates.



2. Next place the lower aluminum platen with the threaded studs facing downwards through the holes in the lower platen spacers and ultimately through the textile catcher.

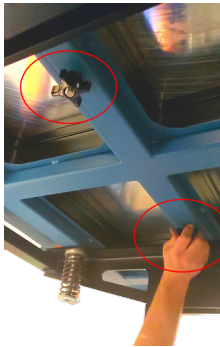


TWIN ASSEMBLY

TIP: Use TWO people to lift and hold the aluminum lower platen and a THIRD person to guide the lower platen so that the threaded studs align with the holes in the lower platen spacer frames.



3. Screw the lower platen retaining knobs from below the textile catcher onto the threaded studs to secure the lower platen assembly. (This will be underneath the textile catcher.)

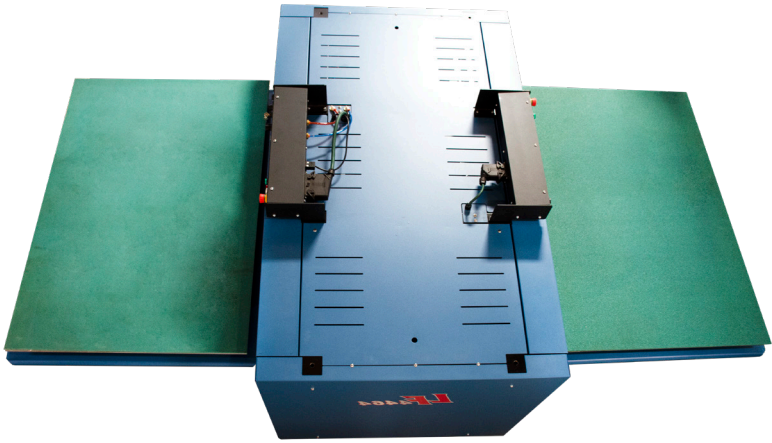


4. Install the control box #2. Connect the electrical plug onto the rear of the control box.



TWIN ASSEMBLY

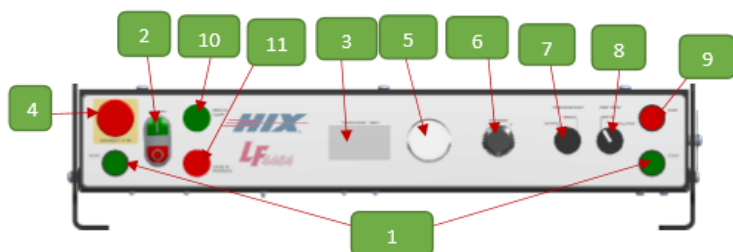
5. Place silicone pad(s) on top of the lower planten(s).



CONTROL BOX(S)

CONTROL BOX #1

1	START BUTTONS (Press simultaneously to start printing cycle)
2	STANDBY SWITCH (Turns the machine ON/OFF (into standby mode))
3	TEMPERATURE & TIMER CONTROLLER
4	EMERGENCY STOP
5	AIR PRESSURE GAUGE
6	AIR PRESSURE REGULATOR
7	KEY PROTECTED OPERATION MODE SWITCH (Service or Operate)
8	PRINT MODE SWITCH (CENTER or ALL-OVER/Large Format)
9	STOP BUTTON (Interrupts printing cycle)
10	SHUTTLE CLEAR (OK to pull lower platen out)
11	CYCLE IN PROGRESS (Shuttle locked - do not try to pull lower platen out)

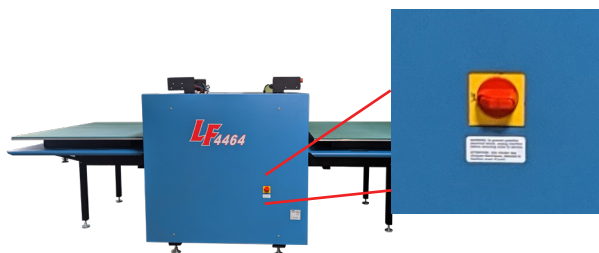


CONTROL BOX #2

(TWIN version only)



MAIN POWER SWITCH

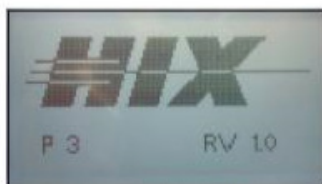


1. After connecting the press to power, turn on the main power switch.

TIME / TEMP CONTROLS

HOME SCREEN

1. Turn on the machine by pushing the on/off switch. Startup/Splash screen is displayed as the controller boots up.



Startup/Splash Screen

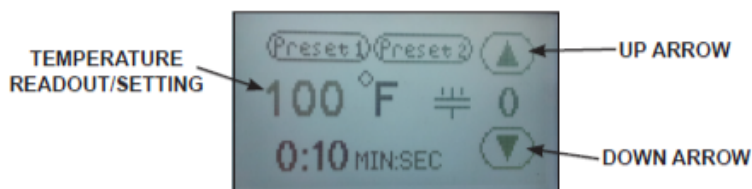
After boot up, the home screen is displayed showing the current heat platen temperature and set cycle time. The heat indicating lamp is represented by the snowflake in the upper left corner of the display. The heat indicating lamp will display anytime the heating element is heating and will cycle on and off after the set temperature is reached to maintain set temperature.



TIME / TEMP CONTROLS

ADJUST TEMPERATURE:

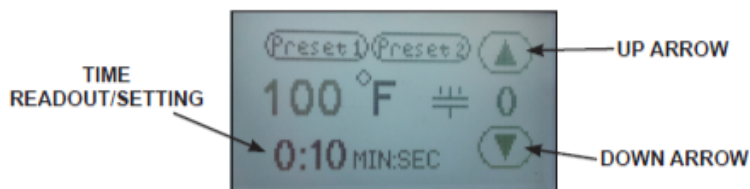
TEMPERATURE ADJUSTMENT SCREEN



1. Touch the temperature readout on the display. "UP" ▲ and "DOWN" ▼ arrows will appear on the right side of the display and the temperature value will start flashing and to indicate it is in set mode.
2. Press the "UP" ▲ or "DOWN" ▼ arrow to change the temperature value. Holding down on an arrow will change the temperature in 1 degree increments for 10 values; then change to 10 degrees incremental changes.
3. Once the desired temperature value is set, either press the temperature value to lock the set temperature or simply wait for 2 seconds and it will lock in the new value automatically.

ADJUST CYCLE TIME:

TIME ADJUSTMENT SCREEN



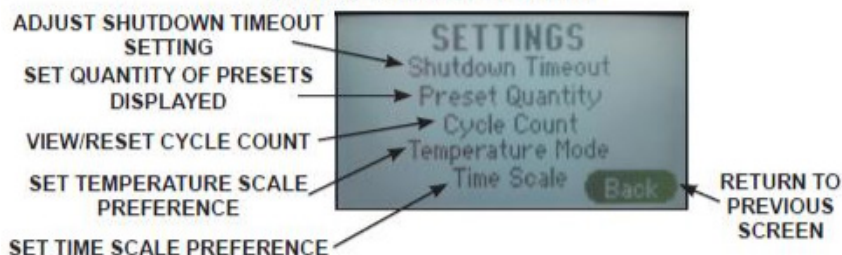
1. Touch the time readout on the display. "UP" ▲ and "DOWN" ▼ arrows will appear on the right side of the display and the cycle time value will start flashing and to indicate it is in set mode.
2. Press the "UP" ▲ or "DOWN" ▼ arrow to change the cycle time value. Holding down on an arrow will change the time in 1 second increments for 5 values; then change to 10 seconds incremental changes.
3. Once the desired cycle time value is set, either press the time readout to lock the cycle time or simply wait for 2 seconds and it will lock in the new value automatically.

TIME / TEMP CONTROLS

SETTINGS:

1. Press the "?" on the upper right corner of the display on the **Home Menu Screen** to access the settings menu.
2. Press the settings sub menu title to be adjusted.

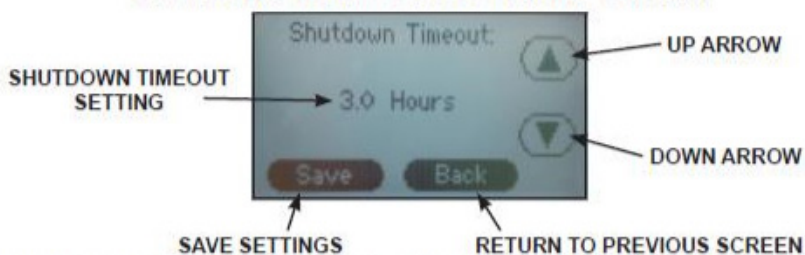
SETTINGS MENU SCREEN



SHUTDOWN TIMEOUT

The shutdown feature shuts off the heat to the press after a period of inactivity.

SHUTDOWN TIMEOUT ADJUSTMENT SCREEN



NOTE: The factory default is set at 3.0 hours.

1. From the settings menu press the "**Shutdown Timeout**" sub menu title.
2. Press the "UP" ▲ and/or "DOWN" ▼ arrows to set the desired shutdown time.

NOTE: Shutdown time adjusts in 1/2 hour intervals. Press the "Down" ▼ button until "Disable" is displayed will deactivate this setting.

3. Press "**Save**" to save the setting.
4. Press "**Back**" to return to the previous screen.

NOTE: After the shutdown time has elapsed with the press idle, the heating element will stop cycling to maintain the set temperature and the home screen will display "**SHUTDOWN.**" Touching the display or closing the press will take the machine out of shutdown mode.

TIME / TEMP CONTROLS

PRESETS

PRESET QUANTITY

Temperature presets can be stored in the memory for different transfer settings. By default two presets are displayed. This setting can be adjusted to display four presets.

PRESET QUANTITY DISPLAYED PREFERENCE SCREEN



1. From the settings menu press the "Preset Quantity" sub menu title.
2. Press the number of presets to be displayed on the home screen, either "Two Presets" or "Four Presets."

TWO PRESET DISPLAY
ON HOME MENU SCREEN



FOUR PRESET DISPLAY
ON HOME MENU SCREEN



3. Press "Save" to save the setting.
4. Press "Back" to return to the previous screen.

NOTE: The "Toggle Two Presets" option will allow the operator to save two different times in each preset (e.g. 2 seconds in Preset 1 and 8 seconds in Preset 2). Each time the press is cycled and the timer times out then the controller will automatically "toggle" to the other preset. This will allow the operator to set a short "pre-press" time.

The "No Presets" option, if selected, will remove the option for any preset buttons to appear on the Home Menu Screen

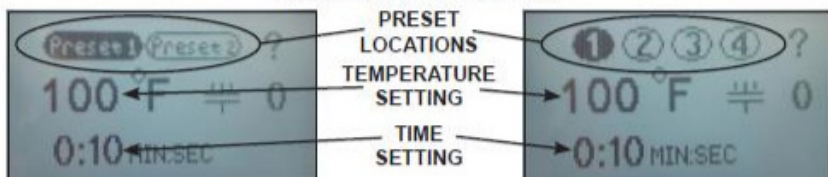
TIME / TEMP CONTROLS

PRESETS

STORING PRESETS:

NOTE: The factory default settings for all presets is set to 200°F and 10 seconds.

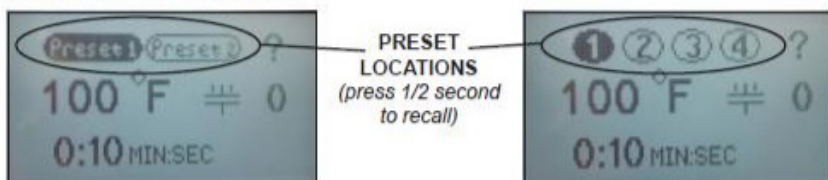
HOME MENU SCREEN



1. Set the desired temperature and/or cycle time using the temperature and time adjustment instructions in this document.
2. Press and hold the desired preset location for two seconds. The controller will beep and the preset location button will display in reverse indicating the preset is stored in memory.

NOTE: Always refer to specific transfer recommendations for temperature, time and pressure as instructed by the transfer manufacturer.

RECALLING PRESETS:



PRESET 1 SELECTED
(two preset setting shown)



PRESET 2 SELECTED
(two preset setting shown)



1. Press and release for approximately 1/2 second the preset button to recall. The controller will beep and the preset location button will display in reverse indicating the preset has been changed.

NOTE: The new set values will display for 1 second before the controller starts adjusting the temperature or time to match the new set-point.

TIME / TEMP CONTROLS

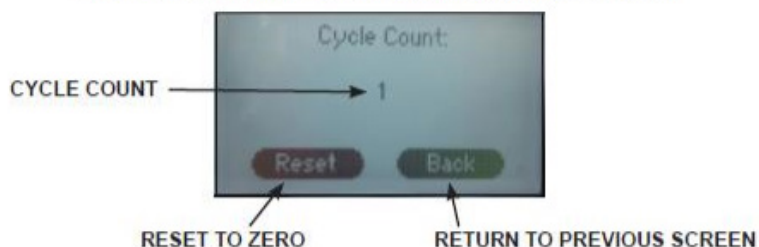
CYCLE COUNT

CYCLE COUNT

The cycle count feature counts the number of cycles that the machine has undergone. A cycle is counted every time the countdown timer is activated by closing the press.

NOTE: The cycle count will maintain the total count even if the power has been turned off.

CYCLE COUNT/CYCLE COUNT RESET SCREEN



TO RESET THE COUNTER:

1. From the settings menu press the "Cycle Count" sub menu title.
2. Press "**Reset.**"
3. Press "**Back**" to return to the previous screen.

TIME / TEMP CONTROLS

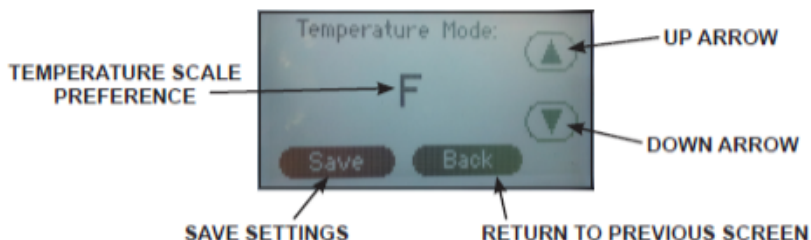
PREFERENCES

TEMPERATURE MODE

Temperature Mode controls which temperature scale is displayed on the controller home screen.

F = Fahrenheit **C** = Celsius

TEMPERATURE MODE PREFERENCE SCREEN



TO CHANGE THE SCALE:

1. From the settings menu press the **"Temperature Mode"** sub menu title.
2. Press the **"UP"** ▲ or **"DOWN"** ▼ arrows to select the preferred temperature scale.
3. Press **"Save"** to save the setting.
4. Press **"Back"** to return to the previous screen.

TIME SCALE

The time scale setting adjusts how the time is displayed on the home screen. There are three Time Scale display options available in the Time Scale menu:

- **MIN:SEC** (Factory Default)
- **SEC** (Seconds)
- **1/10 SEC** (1/10 Second Resolution)

TIME MODE PREFERENCE SCREEN



TO CHANGE THE SCALE:

1. From the settings menu press the **"Time Scale"** sub menu title.
2. Press the **"UP"** ▲ and/or **"DOWN"** ▼ arrows to select the preferred time scale.
3. Press **"Save"** to save the setting.
4. Press **"Back"** to return to the previous screen.

OPERATION

ELECTRICAL CONNECTION



Connection to the electrical power source shall be done by a licensed electrician. Dangerous high voltages sufficient to cause great bodily harm are present and may result in death if proper precautions are not taken.

Before installing, verify that the electrical service agrees with the specifications on the unit's rating plate located on the rear side of the machine. If the supply and equipment requirements do not agree, do not proceed with installation. Contact your HIX customer service representative immediately.

The heat press may or may not be supplied with a power plug depending upon the country it is shipped to.

- If the heat press is fitted with a power plug, be sure to use A compatible mating electrical socket.
- If the heat press is delivered without a power plug, then the electrician can either install a suitable amperage, phase and voltage rated plug for whatever country the unit is being installed, or the unit can be hard wired into a customer supplied electrical disconnect switch (not provided by HIX).

COMPRESSED AIR CONNECTION

Connect the air supply from your air compressor to the back side of the press where you will find a combination air filter/regulator. The air supply shall be "Clean" of any oils and "Dry" of any water. The air regulator on the machine is "FACTORY PRESET AT 100PSI". Do not change this setting.

Machine Air Requirements:

Air Pressure supplied to the machine: 125-150PSI (Set operating pressure at 100 PSI)
CFM Consumption: 3 CFM per cycle

TURNING THE MACHINE ON AND OFF

Turn the Main Power Switch (located on the right-hand side panel) to the "ON" position. The press is now in "Standby" mode.

OPERATION

Next press the STANDBY switch “GREEN BUTTON” on the main control panel (reference item #2 on page 17) and the machine will exit the standby mode and enter the “ON” mode. Press is now ready for operation.

When you press the “RED BUTTON” on the main control panel STANDBY switch, the machine will go into standby mode and stop heating. To completely remove power from the machine, turn the Main Power Switch (located on the right hand side panel) to the “OFF” position.

HEIGHT ADJUSTMENT OF THE LOWER PLATEN

The height adjustment of the lower platen gives the operator the ability to change the amount of space between the upper heat plate and the lower platen according to the thickness of the material substrate that is being printed. For “FLAT” material from 0.010” to 1.0” both of the lower platen spacers should be used. If you desire to print on thicker material, then one or both of the lower platen spacers can be removed. Refer to the following guide below.

Both Platen Spacers Installed:.....0.010” to 1.25” Substrate Thickness
Removal of 1” Spacer Only:.....1.26” to 2.25”
Removal of 2-1/2” Spacer Only:.....2.26” to 3.75”
Removal of BOTH Spacers:.....3.76” to 5.25”



ATTENTION: To protect the heat press for structural damage, there is a limit switch incorporated that will automatically interrupt the printing process if trying to press a substrate that is too thin and not within the substrate thicknesses listed above. If this happens, review the substrate thickness and install the appropriate lower platen spacer as outlined above.

SETTING OPERATING / PRESSING PRESSURE

The operating/pressing pressure is controlled by the air pressure regulator (reference #6, page 17) and monitored by the air pressure gauge (reference page 17). Turn the pressure regulator knob clockwise to increase pressure and counterclockwise to reduce the pressure.

OPERATION

The pressure required will vary from process to process. Please refer to your transfer supplier for their recommended settings.

Maximum pressure is 90 PSI. If that pressure is exceeded a pressure relief valve will activate. Simply reduce the pressure to below 90 PSI to reset the relief valve.

SETTING TEMPERATURE AND TIME

The temperature of the heat platen is controlled by the temperature controller. Maximum temperature setting is 410°F / 210°C. Refer to setting information provided in this manual starting on page 18 of this manual.

Time and temperature settings requirements will vary from process to process. Please refer to your transfer supplier for their recommended settings.

SELECTING OPERATING MODE

The key protected switch on control panel #1 (reference #7, page 17) has two modes, "SERVICE" and "OPERATE". Each mode is described below.

OPERATE:

Push the lower platen completely into the heat press and then press BOTH of the green "START" buttons at the same time (reference #1, page 17). The hand protection guard (TWIN will have TWO guards) will lower into place. Once the hand protection guard(s) are in place, the lower platen will rise into place, the printing starts, and the timer will start counting down.

SERVICE:



This operation mode is NOT for normal printing operation. It is exclusively designed for maintenance purposes only. If this mode is selected, no other person(s) other than qualified service technician(s) can be within reach of the machine because of the hazard created by selecting this mode.

Functions are as in the "OPERATE" mode except for the hand protection guards which are deactivated in this mode. The printing process will start immediately after pressing the two green "START" buttons. This may be useful if the behavior of a certain material needs to be observed during the printing process.

OPERATION

In order to prevent the erroneous or unintended switch of operation modes, the key must not remain in the heat press. The key should be kept in a safe place only available to the supervisor and not available or accessible to unauthorized people.

SELECTING CENTER / ALLOVER PRINT

The heat press is designed with three in-line pressure actuators (similar to an air bag or cylinder). The Print Mode selection switch (reference #8, page 17) allows the operator to disengage the two outside actuators for certain applications.

ALLOVER:

All three actuators are engaged for the printing operation. This is the standard setting for most applications.

CENTER ONLY: Only the center actuator is engaged. The outside two actuators are dis-engaged. Use this setting if the article to be printed has a thickness of more than 0.040" (1mm) and also covers LESS THAN 1/3 of the lower platen.

ATTENTION: Always arrange the articles to be printed in the CENTER of the lower platen.

PRINTING OPERATION

Turn the heat press on and set the temperature, time and pressure settings as required by the transfer and substrate (consult with your supplier for recommended settings). The heat platen will start heating. Once the platen reaches setpoint, the controller will beep.

For best printing results it is necessary to "preheat" the foam pad and the lower platen to remove moisture. To do so, push the lower platen with the foam pad in place into the heat press (without any other article or substrate) and start a printing cycle. Repeat this process until the lower platen's lower side is warm to the touch (may take 2 or 3 cycles of 2 minutes each to accomplish).

Once the lower platen is warm you can load a substrate and transfer onto the lower platen. Be sure to center the substrate and transfer on the lower platen/pad. There may be other techniques and processes required of the substrate or transfer. Consult with your transfers and material supplier for suggestions on the best way to process their product.

Once the substrate and transfer is loaded, set the operation mode to "OPERATE" (if not there already), push the lower platen into the machine, press the two green "START" buttons and the printing process will start. When the printing process is finished the heat press will open automatically and you can pull the lower platen out (or push it out if you have a TWIN machine).

In order to stop the printing process prematurely, you can press the red "STOP" button (reference #9, page 17).

OPERATION

In case of emergency activate the EMERGENCY STOP BUTTON (reference #4, page 17). This will release the air actuators and the machine will stop heating. Once the emergency condition has cleared, reset the E-Stop button by twisting on the cap and pulling out, then press the green STANDBY button to restore power to the press.

MAINTENANCE

EVERY DAY

- At the beginning of each shift, check the water filter/trap located on the rear of the unit and drain any water that has accumulated in the bowl. In heavy humidity environments or where the unit is cycled heavily, this may need to be checked several times each shift.

MONTHLY

- Check the surfaces of the C-profile rails and guild rails for the trolley to see if there is dirt or debris that needs to be removed. Clean these surfaces if need be with a dry cloth.

YEARLY

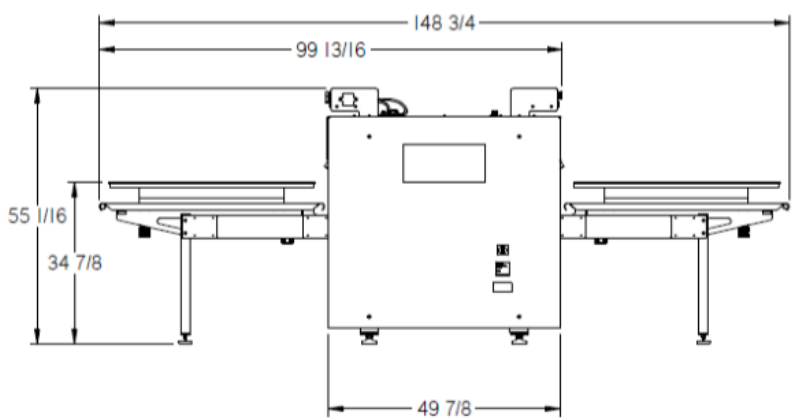
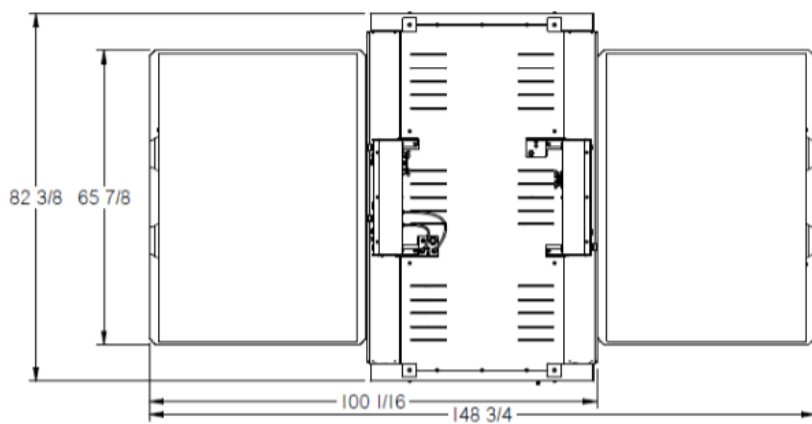
- Have a licensed electrician check all the electrical connections inside the main control box to ensure they are all tight. Check especially the heavy wire connections on the Main Rotary Power Switch, power contactor marked "K1" and the wires on the solidstate heater relays.

**For any service questions, contact HIX Technical
Service Phone: 800-835-0606 Fax: 620-231-8568 Email:
sales@hixcorp.com**

TROUBLESHOOTING

<u>PROBLEM</u>	<u>REASON</u>	<u>REMEDY/REPAIR</u>
Heat press will not come on	E-Stop Pressed	Reset the E-Stop
	Main Rotary Power Switch turned off	Turn the switch to the "ON" position.
	No power to the machine	Check power plugs, cable and fuses or breakers in the facility main disconnect box.
Temperature control shows error or heats irregularly	Bad thermocouple, controller or heater relay	Call HIX Customer Service
Heat Press will not close	No or inadequate air pressure supply to machine	Verify pressure on air filter/regulator on back of machine is set at 110PSI and shows that pressure on gauge.
	Lower platen not pushed full into the press	Push lower platen fully in to a dead stop, check trolley rollers to ensure there is no blockage.
	BOTH Green Start Buttons not pressed at the same time.	Press BOTH Green Start Buttons within 1/2 second of each other.
	Hand protection gates not fully closed (Operation mode)	Check if gates are jammed, air regulator on back of machine is set to 110 PSI.
Printing process is interrupted	Too much space between upper heat platen and substrate	Review substrate limits outlined on page 26 and install proper lower platen spacer.
Heat press does not create enough pressure	Print mode set on "CENTER ONLY"	Change print mode to "ALLOVER"
	Operating pressure set too low	Increase operating pressure (page 26). Maximum setting is 90 PSI.
Base plate rolls away	Heat press is not "Level"	See page 9, point #2
Print is irregular	Wrong settings for print time, temperature or operating pressure	Change settings to those recommended by the transfer and substrate manufacturer.
	Lower silicone sponge pad worn out	Replace pad
	Problems with printer, ink, paper or substrate	Contact manufacturer of products to discuss.

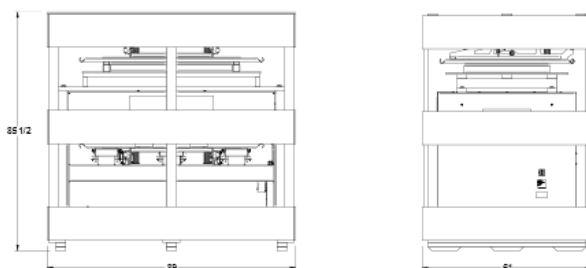
DIMENSIONS



SPECIFICATIONS

Weight NET SOLO TWIN:	1,540 1,805 Lbs
Heating Power:	13.8kW @ 208V 18.6kW @ 240V
Voltage:	208-240V, 3-Ph + Gnd. 50/60Hz
Amperage:	45 Amps @ 240V 3-Ph 39 Amps @ 208V 3-Ph
Compressed Air Supply:	125-150PSI @ Inlet
Air Consumption:	3 CFM per cycle
Maximum press pressure @ 90 PSI:	24,000 Lbs. total 9 PSI on 44" x 64" pad
Printing Time:	0 Seconds to 99 Minutes
Temperature:	Up to 410°F / 210°C
Crated Weight:	2,928 lbs. (TWIN)

Crated Dimensions:



WARRANTY

(Effective 3/1/2020)

HIX will automatically register the equipment on the date it was shipped to you or your distributor. If the equipment was not purchased directly from HIX, but through a distributor (either domestic or foreign), please keep a copy of their sales invoice showing the serial number and date it was sold/shipped to you with this warranty. In this case, we will use the distributor's invoice date as the beginning warranty date. **STAPLE A COPY OF YOUR PROOF OF PURCHASE TO THIS WARRANTY** and keep in a safe place to provide verification of your warranty should a problem occur. Thank you.

Please fill in the following information and attach a copy of your receipt for your records.

Date Purchased:_____ From:_____

Model #:_____ Serial #:_____

This warranty applies to equipment manufactured by the HIX Corporation (HIX), Pittsburg, Kansas, U.S.A. HIX warrants to the original purchaser, its Ovens and Dryers, Heat Transfer Machines, Textile Printers, Spot Heaters, and Exposure Units against defects in workmanship and material, except for wear and tear for a period of "One Year" from the date of purchase. HIX warrants Accessories for a period of 90 days from the date of purchase. doughXpress products are covered under separate warranty.

In the event of a defect, HIX, at its option, will repair, replace or substitute the defective item at no cost during this warranty period subject to the limitations of insurance and shipping costs stated below (excludes labor).

In the case of heat transfer presses (except the Hobby Lite and Large Format presses), HIX warrants the heat casting for the "Life" of the machine for the original purchaser. If a part becomes obsolete at the time for repair, and/or cannot be reasonably substituted for, HIX will credit, at half the then current list price or last recorded price, only that part toward a new machine or any product HIX offers. This credit offer shall be the sole responsibility of the HIX Corporation in the event of an obsolete part.

This warranty does not cover belts, rail tape, pads, mug wraps, canvas, rubber blankets, bulbs, glass. Warranty does not cover damages due to accident, misuse/abuse, alterations or damage due to neglect, shipping or lack of proper lubrication or maintenance. HIX shall not be responsible for repairs or alterations made by any person without the prior written authorization by HIX. This warranty is the sole and exclusive warranty of HIX and no person, agent, distributor, or dealer of HIX is authorized to change, amend or modify the terms set forth herein, in whole or in part.

In the case of a problem with the equipment identified herein, HIX Corporation should be contacted during regular business hours to discuss the problem and verify an existing warranty. HIX personnel will assist the customer to correct any problems which can be corrected through operation or maintenance instructions, simple mechanical adjustments, or replacement of parts. In the event the problem cannot be corrected by phone, and upon the issuance of a return authorization by HIX, the equipment shall be returned to HIX or an authorized service representative. All insurance, packaging and shipment/freight costs are solely the responsibility of the customer, and not that of HIX, and HIX shall not be responsible for improper packaging, handling or damage in transit. Contact HIX customer service for complete return authorization information. Correct shipping boxes are available from HIX.

This expressed warranty is given in lieu of any and all other warranties, whether expressed or implied, including but not limited to those of merchantability and fitness for a particular purpose, and constitutes the only warranty made by HIX Corporation.

In no event shall HIX's liability for breach of warranty extend beyond the obligation to repair or replace the nonconforming goods. HIX shall not be liable for any other damages, either incidental or consequential, or the action as brought in contract, negligence or otherwise.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

HIX CORPORATION
Design and Manufacturers of Graphic Imaging, Commercial Food, Industrial and Custom Drying Equipment

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