Digital Knight 16x20
Digital AUTOMATIC Swinger

Version 1-18
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**Introduction**

Congratulations on your purchase of the Air Operated Automatic DK20SP 16x20 digital swinger! This heat press machine has many exciting features, all of which are meant to help make your heat transfer pressing endeavors as successful and easy as possible. Please take the time now to thoroughly read through this manual to become acquainted with them. It will explain some key features, concepts and methods that will save much time and effort in using this press and in your heat pressing applications.

Throughout this manual, many areas and components of this machine will be referred to by specific names. Please refer to the illustrations below in order to become familiar with some of the terminology used in this manual.

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**Default Operating Mode of Controller**

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1. Temperature
2. °F/°C Indicator
3. Ready/Heating Indicator
4. Open/Timing/Done Ind.
5. Time
6. Pressure Bar Graph
7. TEMP key
8. PRG key
9. Up/Down Arrow keys
Setup & Suggestions

• Locate the press on a firm, sturdy work surface. It is recommended but not necessary to bolt the press to a workbench using the rear mounting holes on the base frame.

• A stand on lockable casters is available from Geo Knight & Co or your distributor.

• The height of the bench/work space the press is located on would be ideally 27” to 32” high.

• Attach the power cord from the rear to the underside of the top head. There is a power inlet under the top head that the modular cord will plug into.

• It is HIGHLY RECOMMENDED that the cord be strapped or tied to the back white post of the press, so that the cord is not pulled on and tugged out of the power inlet where it plugs into the press. TEST and make sure the cord travels freely when swinging the press, and that there is no tension or pulling on the inlet socket where the power cord plugs into the head. Make sure the cord can not be pressed by the heater.

• The top head should be swung over the pressing table when not in use.

• The speed in which the press opens can be adjusted. Underneath the front skirt of the press, behind the air regulator and air gauge, a brass flow control can be found. (Slide the press forward off your benchtop to look underneath.) This is where the air exits the press when the time is finished and the press releases. If the press is releasing TOO SLOWLY - the flow control valve can be loosened so that the air releases faster, and the press opens quicker. If the press is releasing TOO QUICKLY (slamming/banging down upon completion) the flow control can be tightened so that the air releases slower, and the bottom table drops more smoothly. If the air supply is dirty/oily, this may become clogged, resulting in a slower and slower release. Remove the flow control and clean it thoroughly.
Normal Operation

Normal Operating Mode

The normal operating mode of the press will display the current actual Temperature at the top of the screen and the time setting or elapsed time below the temperature.

The right side the screen will indicate the heating status by stating HEATING, READY, both of those words, or none at all, depending on if it is cooling down or heating up to the set temperature. READY is shown only if the current temperature is within 5 degrees of the set point temperature.

The right side of the screen will also indicate the timing status by stating OPEN, TIMING or DONE.

The pressure bar graph is not used on this automatic press.

Setting Temperature

From the normal operating mode, simply press the TEMP key to set the temperature.

The flashing 3-digit number is the temperature setting (not the actual current temp). Use the Arrow Keys to set the desired temperature. Hold them down to increase rapidly, press both together to set it to 350°F.

Press TEMP again to lock in the setting.
Setting Time

From the normal operating mode, simply use the Arrow Keys ONLY to set the time. Do not touch the PRG key.

Hold down either the Up or Down arrow key for more than 2 seconds and the time will increase rapidly.

Press BOTH Arrow Keys and the time will reset to 00 seconds.

Pre-Press Timer

There is a second timer available for use, called the “Pre-Press Timer”. This feature is useful if a multiple-step process is performed.

For example: If a product must be pre-pressed for 5 seconds before a main pressing cycle of 20 seconds, the Prepress timer can be set for 5 secs, and the main timer for 20. When the operator closes the press, the 5-sec time counts down. When the operator opens the press, the time setting switches to 20 seconds.

The word PREPRESS will be displayed next to the pre-press time setting when it is active. To set the pre-press time, simply use the Arrow Keys to set the time. If PREPRESS is not displayed next to the time, quickly close and then open the press to switch to the prepress time.

To turn ON the prepress timer feature, enter the User Options Menus (see page 13) and go to the PPR setting and turn it ON. (see page 17)
Setting Platen Height

The height adjustment knob on the DK20SP allows for thicker items to be placed in the press. The factory set height of the press is the proper platen height setting for most fabrics, and materials under 1/4” thick. Unlike manual presses, the actual amount of pressure on the DK20SP is determined by the air regulator and air gauge, NOT by the height of the heat platen. However, if the platen height does not provide enough clearance for especially thick items, this can be adjusted. There should normally be 1/2” to 3/4” gap between the heater and bottom pad or workpiece.

• To raise the heat platen, turn the pressure knob to the left, counterclockwise. The top head will rise away from the lower table.

• To lower the heat platen, turn the pressure knob to the right, clockwise. The top head will lower toward the pressing table.

Activating the Press

To actuate the machine, simply press both black buttons together. This will cause the air bladder to fill, the table to raise, and the work to be pressed. The digital timer will automatically begin cycling. At the end of the timer cycle the press will automatically release and the timer will reset to the preset time. BOTH black buttons must be pressed together, to insure that both operators hands are clear of the pressing area, for safety purposes.

To interrupt the timing cycle, in order to do a quick pre-press or press for a shorter period of time than is set, simply press both black buttons together again. For emergency one-hand release of the air pressure, press the middle button on the front panel. THE GREEN LIGHT MUST BE ON IN ORDER TO OPERATE THE PRESS.
Guidelines & Standard Settings

The following information covers some basic guidelines for pressing, as well as some generic parameters for basic heat transfer applications.

• When pressing shirts, it is often recommended that the shirts be quickly pressed for 2 to 4 seconds before transferring to remove wrinkles and water content.
• When pressing two sides of a garment, pull the garment over the table so that the printed side drapes underneath the table. This will avoid reheating previously transferred designs on opposite sides of garments. It will also avoid any bleed-through of inks on lighter fabrics.
• Avoid laying collars, cuffs, zippers, and other bulky parts of garments on the lower table, as these can adversely affect pressing conditions, and reduce the life of the silicone pad.
• When pressing rigid substrates (plastics, metals, woods, etc.), be sure that any protective films or laminates are removed before heating.
• Always check that the transfer image is face down against the material, to avoid sealing the image against the heat platen instead of the substrate.

Always follow the transfer media suppliers instructions when pressing. The information below is for general reference only, and may not be as accurate as the instructions provided by the transfer media & imprintable substrate supplier.

- Hot Split Supplier Transfers 350-375°F, 8-10 secs
- Puff Transfers 350-375°, 5-7 secs (extra heavy pressure)
- Ink-Jet Transfer Papers 360°, 15-18 secs
- ColorCopy/Laser Transfer Papers 375°, 20-25 secs
- Sublimation Inks (Polyester Fabrics) 400°, 35 secs
- Sublimation Inks (Plastics) 400°, 1 min, 15 secs
- Sublimation Inks (Metals) 400°, 1 min
- Sublimation Inks (Woods) 400°, 1 min, 15 secs
- Sublimation Inks (Ceramics) 400°, 4 min
**ERR Mode**

During operation of the press, if there is a loss of signal from the temperature sensor wire, the ERR display will appear.

This is a safety feature that will shut off the relay so the press will not overheat aimlessly without a temperature signal.

Once the temperature signal is restored (no longer broken, or plugged back into the control) the press will resume the temperature display, and start heating if necessary. If ERR persists, contact support.

**Over-Temp Alarm**

If the press heats beyond the set temperature by 40 degrees or greater, the OverTemp alarm will sound.

This is a safety feature that warns the operator of a possible thermal run-away of the press. This means the press relay may be locked in a heating position where it will never stop heating, to a possibly harmful temperature level.

If the OverTemp alarm sounds, set the temperature to a higher value than the current actual temp. Wait 30 seconds and then reset the press to your desired temperature and Watch Carefully. Do not let the press rise to extremely high temps.

If it continues to rise, turn off the press and let it cool off to room temperature. Turn the power back on and immediately set the temperature to a low setting like 200°F. Wait for the press to heat up. When the press displays “READY”, monitor the temperature and see if it continues to heat to a level that the OverTemp alarm activates again. If so, contact the factory.
Programmable Presets

How Presets Work

There are 70 programmable presets in the controller. The operator can store a Temperature, Time, Prepress Time, and Pressure setting in each preset.

When a preset program is loaded by the operator, the Current Temperature Setting, Time and Prepress Settings (if there is a Prepress setting in that preset) are updated in the normal operating mode.

The pressure is NOT set for the operator mechanically. A brief display of the pressure value in the preset is shown while updating the current settings. This is simply a reference... a reminder of what pressure setting the operator must adjust for that preset.

There are 2 main functions to using the presets. LOADING and EDITING the preset. LOADING a preset simply means selecting a desired preset, and returning to the normal operating mode where the current settings are changed. EDITING a preset is when the operator actually changes the preset’s settings.

Loading a Preset

To enter the presets, press the PRG key.

SET will display on the screen.

Use the Arrow Keys to select a preset from 00 to 70.

Press PRG to return to the normal operating mode. The current active Temperature, Time & Prepress time settings (if there is a prepress setting in that preset) are now updated with the presets values.
**Editing/Programming a Preset**

To edit a preset and change its values to your own desired settings, you simply use the TEMP key while in the SET preset mode.

From the normal operating mode, press the PRG key. SET displays on the screen. Use the Arrow Keys to select the preset # you wish to edit.

Press the TEMP key. The temperature will flash. Use the Arrow Keys to set the temperature for that preset.

Press the TEMP key. The time will flash. Use the Arrow Keys to set the time for that preset.

Press the TEMP key. The Prepress time will flash. Use the Arrow Keys to set the Prepress time. Set the Prepress time to 00 if only one timer is to be used for that preset. Setting Prepress to 00 will disable the Prepress feature.

Press the TEMP key. The Pressure reference value will flash. Since the Pressure Barg Graph readout is not used on the DK20SP, this can be skipped, or use the number as a reminder to reference your PSI setting (approximately).

Press the TEMP key. The screen returns to the preset #. Press PRG to return to the normal operating mode, or use the Arrow Keys to select a different preset and edit that as well.
A Walkthrough Tutorial for using Presets

Here is a tutorial of programming 2 different presets, and then an example of using them in normal daily operations. Do this walkthrough to practice using presets.

**Part 1: Programming 2 different presets.**

From the normal operating mode, press PRG. SET appears. Use the arrow keys to select SET 01.
Press TEMP. Set the flashing temperature to 400 with the arrow keys.
Press TEMP. Set the flashing time to 45 with the arrow keys.
Press TEMP. Set the flashing Prepress time to 00 with the arrow keys.
Press TEMP. Set the flashing Pressure ref to 8 with the arrow keys.
Press TEMP. Use the arrow keys to select SET 02.
Press TEMP. Set the flashing temperature to 350 with the arrow keys.
Press TEMP. Set the flashing time to 12 with the arrow keys.
Press TEMP. Set the flashing Prepress time to 3 with the arrow keys.
Press TEMP. Set the flashing Pressure ref to 9 with the arrow keys.
Press TEMP. Press PRG to leave the preset mode.
Presets SET 01 and SET 02 have now been programmed.

**Part 2: Loading the presets.** Let’s say we are powering on the machine and starting a job. The first job will need to use preset 01, and later on the next job will need preset 02.

From the normal operating mode, press PRG. SET appears. Use the arrow keys to select SET 01 then Press PRG. Done!
The press is now set for 400°F and 45 seconds and will start to heat to that temperature. When leaving the presets, the screen briefly displayed PRS 8 - reminding you of what pressure setting to manually set the air regulator for.

Now let’s change to the next job. Press PRG. SET appears.
Use the arrow keys to select SET 02 then Press PRG. Done!
The press is now set for 350°F, 12 secs, 3 prepress, and you are reminded to set the pressure heavier on the air regulator.

That’s it! You can load a preset as often as needed: just press PRG, pick the preset you want with the Arrow Keys, and press PRG again.
User Menus

Entering the user menus & options

There are many useful features beyond simply setting time & temperature, and storing presets. All of these additional features are available to the operator in the User Menus.

To access the user menus, simply press TEMP & PRG at the same time from the normal operating mode and let go.

(Try to use two hands and press the keys at the exact same time. If one key is pressed too early from the other, the temperature setting or preset modes may be activated instead. Turn the press off and then on and try again.)

Fahrenheit / Celsius

The current and set temperature can be displayed in °F or °C. After entering the user menus (see above), use the arrow keys to select F or C. Press PRG to move to the next menu item.

Timer Counter Units

The timer and Prepress timer can be set for mins/secs (default) or hours/mins. If special applications need a higher timer range than 99 mins, 59 secs, this can be changed. After entering the user menus (see top of page), Press PRG until CNT displays. Use the arrow keys to select SEC or HR. Press PRG to move to the next menu item.
Recorded Pressings Odometer

There is an “odometer” that records pressing cycles done. This can be cleared and reset to 0 at any time when needed. The figure scrolls and it’s beginning and end are separated by a “-” sign.

After entering the user menus (see top of page 9), Press PRG until REC displays. Use the arrow keys to reset the counter to 0. Press PRG to move to the next menu item.

Pressings Countdown Odometer

There is a second type of “odometer” that counts down the number of pressing cycles from a set amount.

After entering the user menus (see top of page 9), Press PRG until CTD displays. Use the arrow keys to set it ON or OFF.

When this feature is ON - the normal countdown timer display is replaced by this odometer instead. The arrow keys no longer adjust the countdown timer, but instead are used to set the countdown odometer. When OFF, the timers are visible.

The timer & prepress timer (if ON) still operate. However they are not visible. Instead, at the end of every main timing cycle (but not prepress), the odometer decreases by 1. This way, the operator can keep track of how many pressings are left to do, without checking the REC menu.

This feature is useful when a specific amount of pressings must be performed, and the operator must be aware of how many pressings are remaining. Simply use the arrow keys to adjust this value in the normal operating mode (just like they are normally used to change the time). This value will automatically decrease at the end of each timing cycle.
**Pressure Minimum**

This menu item is not used on the DK20SP.

Press PRG to move to the next menu item.

**Pressure Maximum**

This menu item is not used on the DK20SP.

Press PRG to move to the next menu item.

**Temperature Drop Sense**

The press can be set to alarm if the temperature drops a certain range below the set temperature. This is useful to warn the operator if the press is too far out of temperature range during excessive use.

After entering the user menus (see top of page 13), Press PRG until DRP displays. Use the arrow keys to set it to OFF (default), or 10, 20, 30, etc.

If the current temperature drops below the set temperature by that many degrees, and alarm will sound. Press TEMP to silence the alarm.

Press PRG to move to the next menu item.
Temperature Drop Sense Timer Disable

The press can be set to disable the timer if the temperature drops a certain range below the set temperature. This is useful especially on automatic presses to “freeze” the operation of the machine if the temperature is below useful range.

After entering the user menus (see top of page 9), Press PRG until DTD displays. Use the arrow keys to set it to OFF (default), or 10, 20, 30, etc.

If the current temperature drops below the set temperature by that many degrees, the timer will not operate, and therefore on an automatic press, the press will not activate. The press will “unfreeze” once the temperature is within set point by the value selected or less.

For Example - DTD is set for 20. The temperature setting is for 400. As long as the current actual temperature is higher than 380, the timer (and automatic activation if the press is automatic) will operate normally. If the temperature drops to 380 or below, the timer will not start, and on automatic presses, the press will not activate. Set to OFF to disable.

Press PRG to move to the next menu item.

Keypad Beeper

The keypad beep can be silenced if needed. After entering the user menus (see top of page 13), Press PRG until BEP displays. Use the arrow keys to set it to ON or OFF.

Press PRG to move to the next menu item.
Alarms

The timer alarm can be adjusted for different beeping patterns. This can differentiate between multiple presses, and allow the operator to have a short beep or a continuously repeating beep.

After entering the user menus (see top of page 13), Press PRG until ALR displays. Use the arrow keys to set it to OFF, or 1 through 10.

Press PRG to move to the next menu item.

- denotes a short beep.
_ denotes a longer beep.
~ denotes infinite loop.

<table>
<thead>
<tr>
<th>Alarm #</th>
<th>Alarm Pattern</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>No alarm</td>
</tr>
<tr>
<td>01</td>
<td>• • • _</td>
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<tr>
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<tr>
<td>10</td>
<td>• (shorter)</td>
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Finished Warning Beep

The press can sound a beep on the last 3 seconds of the timer or Prepress timer countdown. This is useful if the press is automatic and the operator needs a warning that the press is about to finish, open, or pop-up dramatically.

After entering the user menus (see top of page 13), Press PRG until FWB displays. Use the arrow keys to set it to ON or OFF.

Press PRG to move to the next menu item.

Prepress Timer

The press can cycle back and forth between two distinct timer settings: the normal countdown timer, and a 2nd Prepress timer. (see page 6). This menu item turns the Prepress timer ON or OFF.

After entering the user menus (see top of page 13), Press PRG until PPR displays. Use the arrow keys to set it to ON or OFF.

If PPR is set to OFF, pressing PRG will return to the normal operating mode.

If PPR is set to ON, pressing PRG will move to the next menu item.
Prepress Alarms

The Prepress timer alarm can be adjusted for different beeping patterns. This allows for differentiating from the normal timer, and can allow the operator to have a short beep or a continuously repeating beep.

After entering the user menus (see top of page 13), Press PRG until AL2 displays. The PPR menu must be set to ON for this menu to be visible. Use the arrow keys to set AL2 to OFF, or 1 through 10.

Press PRG to move to the next menu item.

- denotes a short beep.
_ denotes a longer beep.
~ denotes infinite loop.

<table>
<thead>
<tr>
<th>Alarm #</th>
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<td>10</td>
<td>• (shorter)</td>
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</tbody>
</table>

Operator Lockout

An operator lockout feature is available to the owner of the press. This prevents the average user from changing any settings or adjusting anything on the controller. Contact the factory for instructions on using this feature.
Maintenance

The majority of the press has been designed to be as maintenance free as possible. There are only a few aspects of the machine that should be monitored to insure proper operation.

• The Lifter Springs & Shoulder Bolts are the greatest area of wear and friction on the press. However they rarely if at all need to be replaced. If the press raises and lowers unevenly, carefully turn the press on its side and inspect the 4 springs. Replace all 4 springs at the same time if one or more are broken or not even.

• Lightly Lubricating the lifter springs with white lithium grease or similar spray on lubricate will greatly reduce squeaking and noise from the underside of the press

• The air regulator is the easiest component to clog and damage from contaminated air. Make sure a water trap / filter is placed inline with the air supply before the connection to the press. The cleaner and drier the air, the longer the life of the air regulator and other pneumatic components.

• The black push-buttons and rear safety switch should last many tens of thousands of pressings. If however activation of the press is sporadic, replace the push buttons and rear safety switch.

• The silicone pad on the lower table can degrade after much use and over an extended period of time. This pad is replaceable. If the pad becomes dried out, cracked, or there are chunks removed from the silicone pad, this can result in inconsistent and poor quality transfers.
Replacement Parts

Here is a list of current replaceable parts on the DK20SP as of the writing of this manual:

DKP-ACTCVR ...............DK20SP FRONT COVER W/SWITCHES/ASBLY
SHN-DKPHOOD .............DK20SP FRONT COVER PANEL ONLY
ELN-ABB1 .......................PUSH BUTTON PANEL MOUNT (BLACK)
ELN-110SP ....................SPST PUSH/ ON-OFF SWITCH (E-STOP)
ELN-8043X1 ..................PILOT LIGHT (GREEN) 120V SOLICO
ARN-AR20HZ ..................¼ NPT SMC REGULATOR W/PANEL NUT
ARN-15UB8 ..................PANEL MOUNT 0-160 AIR GAUGE 1½ DIA
SHN-DKPSKT ...............DK20SP BOTTOM PANEL SKIRT
DKP-PVSWBX ...............DK20SP REAR PIVOT SWITCH BOX
DKP-HDHNDL ............DK20SP HANDLE BAR W/KNOB
ARN-7564 ..................STYLE 116 MEDIUM AIR BAG
ARN-35AAA120V ..........MINI-3 WAY MAC VALVE 120V 35A SERIES
ARN-4ZJ85 ..................¼” EXHAUST PORT FLOW CONTROL
MEN-M5 ......................3/4 X 3/8 X 3” DIE SPRING
FAS-AB383 ..................3/8 X 3 SOCKET HD SHOULDER SCREW
DKA-CTRLC ..............DIGITAL KNIGHT PROCESSOR BOARD
DKA-CTRLP .............DIGITAL KNIGHT POWER BOARD
ELN-KM0227A1 ..........DIGITAL KNIGHT MEMBRANE KEYPAD
RPK-DKPWR ..........DK POWER INLET/SWITCH/CORD KIT
DK2S-HBA120 ..........DK20S/SP 16X20 HEATER BLOCK ASBLY
CAN-DKKNOB ..........DK/DC BLACK KNOB
FAS-EM5818 ..............5/8-18 HEX ACORN NUT
MEN-DKPVBLT ..........DK/DC PIVOT BOLT
FAS-NTA1018 ..........THRUST BEARING (2 req)
MEN-TWB1018 ..........SMALL WASHER THRUST BEARING (4 req)
SRM-381620 ..............3/8 X 16 X 20 SILICON SPONGE
MEN-DKCLLR ............DK20S/SP STOP COLLAR
SHN-DK2SCVR ..........DK20S/SP TOP CONTROL PANEL COVER
SHN-DK20SHBC ....DK20S/SP 16X20 HEATER BLOCK COVER
ELN-K26TC ...............K-26” THERMOCOUPLE
ELN-MSTB2.5 ..........OST 5MM TRMNL THERMOCOUPLE PLUG
Digital Knight
Heat Press Wiring Diagram

ON/OFF Switch

Power Cord Socket

White
Black

AC In from Power Cord

Ground to Machine Frame

External Beeper

Pressure Sensor

Red
Blue

Yellow
Timer Switch

Grey
White w/ Red Stripe (Y)

Digital Knight Controller

HOT
PRESS
PRESS
NEUT

AUX OUT

Automatic Magno/Coil

Thermocouple Temp Sensor

Heat Platen

C
B
A

110V wiring shown
One power lead to A
Other power lead to B & C joined

For 220V, connect power leads to B & C, leave A empty

Note: Not all connections used for all models. Aux relay & Pressure sensor may be absent in some cases.
Troubleshooting

The following information attempts to address the most probable mechanical and user issues with the press. Most issues with heat transfer presses are application related. That is, they have to do with the results of a particular transfer application.

For technical support on problems having to do with the final results of a particular transfer paper or media, please contact the supplier of that transfer media. Generally, the machinery manufacturer is unable to support the myriad of different transfer papers, inks and imprints on the market from other resellers.

**Q. The timer does not start or the press does not close.**

**A.** There are several probable causes for this. First, check to make sure the GREEN LIGHT is on. Press the silver E-Stop button firmly to make sure it is on. Second, if the press still does not activate, check the inside of the rear safety pivot-switch (black box on back of press). This must trigger-closed the 2 micro-switches inside. Make sure both switches are depressing in the black box and test the press again. If the timer does not count down at all, open the digital control panel and find a black square plug, plugged into the circuit board. It has a mini yellow and grey wire. Unplug this plug from the circuit board, and make sure it is plugged back into ALL 6 gold pins on the circuit board.

**Q. The control displays Err when it first comes on, and I can not set the temperature or use the press.**

**A.** The *Err* message will display if the heating signal from the platen has been cut off, interrupted, or the heating sensor has failed. First check the Lime Green temperature connector that plugs into the digital control. At the top of the controller, there is a green connector that plugs in with 2 small wires. This is the temperature sensor wire. Check to make sure is it properly seated. If after unplugging and plugging the lime green connector the *Err* message still appears; unplug the green connector and remove the 2 tiny wires from the lime green plug. Cut them back 1/4” and strip them so they have new connections. Reconnect them to the lime green plug so they are screwed in tightly and can not pull out. Plug the green plug back in and turn the press on. If this does not solve the issue - purchase DKA-CTRLC at www.heatpress.com/support.php
Troubleshooting (cont.)

Q. I press the keys on the keypad, and there is no sound or response from the controller.
A. Check the connection of the keypad to the controller. This is inside the top panel. The keypad connector passes in through the top panel. It should wind around the first circuit board and be seated fully into the connector. The keypad ELN-KM0227A1 may need to be replaced and can be purchased at www.heatpress.com/support.php

Q. The press is taking a very long time to open at the end of the timing cycle.
A. The flow control has become clogged. Remember to drain your compressor every day, or often enough to avoid running water and contaminants through the heat press. Slide the heat press about 12” forward so it hangs off the table, making sure it will not fall off (it is back-heavy). Look under the front of the press, under the bottom skirt cover. Find the brass/gold/yellow flow-control valve, where the air spits out of the press when releasing. It is connected to the main blue mac-valve and silver exhaust valve. Adjust the screw and nut on the end of this valve to let more air out. Remove it completely to test if this is the reason for the slow release.

Q. The press has shut off, and will not come back on after checking the power cord.
A. Test for power coming from the back side of the power cord inlet socket. Test for power coming from the back side of the on/off switch. Test for power coming to the end of the black & white wires that come from the on/off switch into the control board. This will narrow down which power handling component needs replacement. If any parts prior to the circuit boards need replacing - purchase the RPK-DKPWR socket/switch/wires/cord Kit. Replace everything included the kit at the same time. This is an extremely inexpensive replacement kit that includes all these components and can be purchased at www.heatpress.com/support.php

Q. I pressed a transfer upside down. The inks and transfer material have burned onto the heat platen.
A. Cool the press down. Using a nonabrasive detergent or cleaner, thoroughly scrub the heat platen surface. Do not use an abrasive scrubber, or a pad that will scratch the Teflon coating of the platen. If you are still unable to remove the transfer material, obtain teflon heater block cleaner from the factory.
Geo Knight & Co warrants that the press is free from defects in both material and workmanship. One Year from the date of invoice to the buyer. If any parts or workmanship are found to be defective in manufacture, Geo Knight & Co will repair or replace the defective parts or workmanship. In addition, Geo Knight & Co warrants that the Digital Knight heat control is free from defects in both material & workmanship and is covered under no-charge support for (3) years. Geo Knight & Co also warrants that the heating element is warranted for the lifetime of the press, provided it is owned by the original purchaser. This lifetime warranty on the heating element does not cover temperature sensor failure, damage or disconnection. This warranty covers all parts to repair the defects, except when damage results from accident, alteration, misuse or abuse, or when the machine has been improperly installed, or modified in any way. If the press becomes defective during the limited warranty period of one year for the entire press, three years for the control, or the lifetime of the heating element, Geo Knight & Co reserves the right to recall the defective press to the factory for repairs if on site component replacement is deemed not possible by Geo Knight & Co. A return authorization must be granted by Geo Knight & Co prior to its return.

If a press covered by the one year limited warranty must be returned to the factory for repairs, Geo Knight & Co shall make every effort to repair buyer’s press. However, Geo Knight & Co reserves the exclusive right to determine whether to repair or replace a defective press. If Geo Knight & Co authorizes a replacement press, the warranty of the replacement press shall expire on the anniversary date of the original machine’s invoice to the buyer.

There are no warranties which extend beyond the description on the face hereof. Seller disclaims any implied warranty of merchantability and/or any implied warranty of fitness for a particular purpose, and buyer agrees that the goods are sold “as is”. Geo Knight & Co does not warrant that the functions of the press will meet the buyers requirements or expectations. The entire risk as to use, quality and performance of the press lies with the buyer. In no event will Geo Knight & Co be liable for any damages, including loss of profits, destruction of goods or any other special, incidental, consequential or indirect damages arising from the use of the press or accompanying materials. This limitation will apply even if Geo Knight & Co or its authorized agent has been advised of the possibility of such damage.