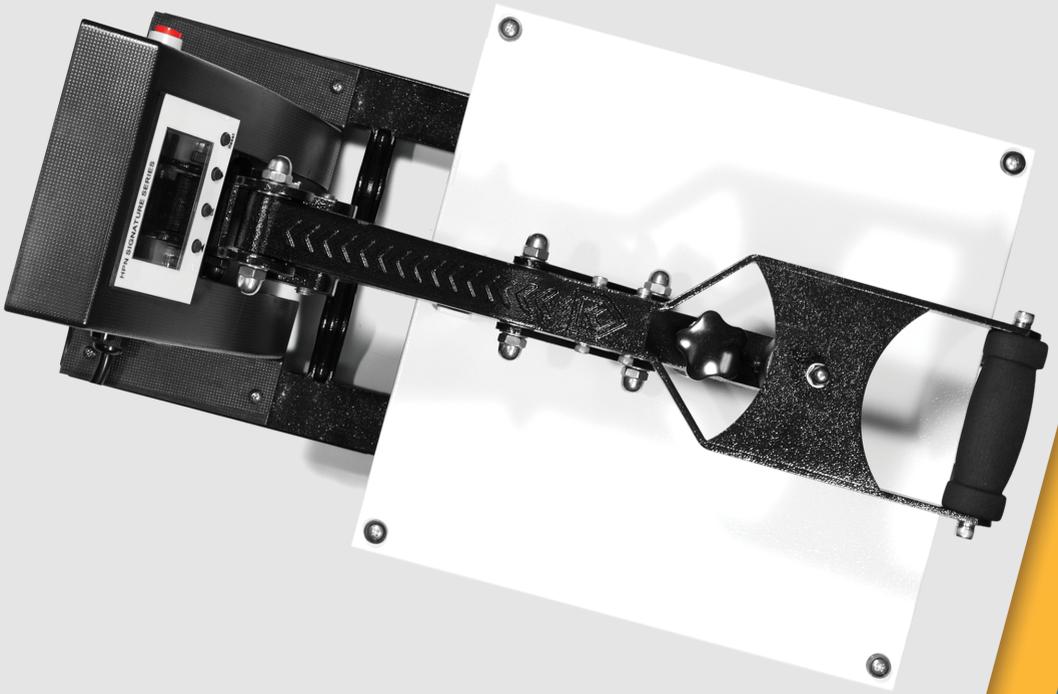




# *Signature Series*



OWNERS MANUAL

# THE BEST TRANSFER MATERIALS BRANDS FOR YOUR HPN SIGNATURE SERIES



Siser Easyweed Heat Transfer Vinyl is an easy to use material that is ready to cut and allows you to weed out your designs with ease.



Paropy Heat Transfer Paper is widely known as the premier brand in quality heat transfer paper.



Neenah Paper has been an industry leader in the creation, development, and improvement of heat transfer products since their first patent was granted in 1980.



ThermoFlex by Specialty Materials is a durable polyurethane based heat transfer vinyl that is ready for all of your creative needs.



With Forever, you can produce self weeding designs without the need for a special toner. This makes your job easier by eliminating a tedious task.



Sawgrass is the go to brand for your sublimation printer and ink needs. They have been leading the industry for many years with their products.



CALL US: (800)215-0894  
WEEKDAYS 7:00AM-5:00PM PST  
WWW.HEATPRESSNATION.COM

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# GETTING STARTED

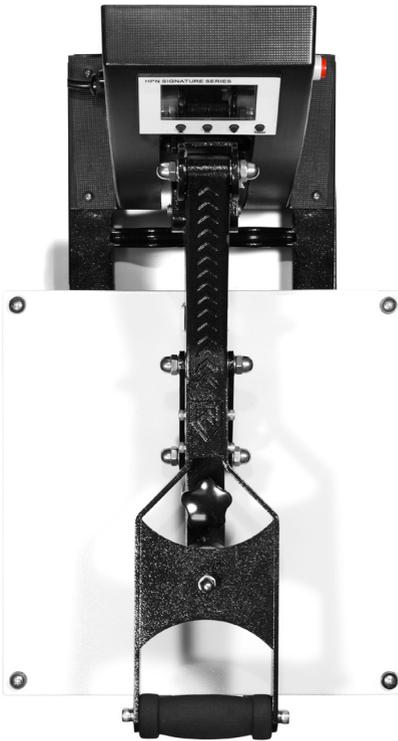
Thank you for purchasing an HPN Signature Series! Before you get started, it is important you understand the following.

Welcome to the world of heat pressing! This is an exciting time to get started as there are many different types of unique transfers available. Transfers include media such as heat transfer paper, heat transfer vinyl, sublimation, plastisol, rhinestones, and many more. This instruction manual will help you become a professional with your new heat press.



# INCLUDED IN THE BOX

- A. Heat Press
- B. Secondary Handle  
(Swing Models Only)
- C. Lower Platen Cover



A.



B.

Call (800)215-0894 if any parts are missing



## CAUTION

TURN OFF AND UNPLUG MACHINE WHEN NOT IN USE

### REMOVING THE MACHINE OUT OF THE BOX

- These units can weigh up to a 140 lbs. Please use caution when lifting these machines out of the box. Ask for assistance and lift using your legs to stand up and keeping your back completely straight when doing so. Do not arch or hyperextend your back as it can lead to serious injuries.

### INSPECT THE MACHINE FOR ANY DAMAGES OR MISSING PARTS

- Inspect the entire machine for any damages that could potentially be a hazard. Make sure the arm structure does not have any cracks and the joints are properly secured. Check the power cord to make sure it hasn't been dropped on and the internal wires aren't exposed. If you see any concerning issues, please contact us right away.

## OPERATING ON A STABLE LOCATION

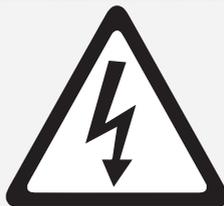
- Be sure the machine is placed on a sturdy, even surface. If you are using a cart or stand, make sure the legs are properly secured with no damage. Plastic tables aren't recommended as the machine can dent through the surface over time.

## REMOVE ALL LIQUIDS OUT OF THE AREA

- Do not operate the machine with any liquids or chemicals nearby that could potentially spill onto the machine. This would create a high risk of electrical shock or fire.

## PLUGGING THE MACHINE INTO A DIRECT ELECTRICAL OUTLET

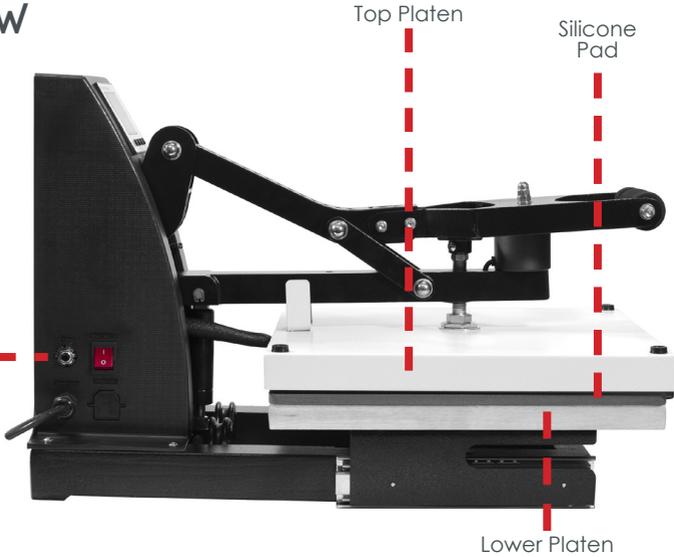
- It is highly recommended to keep the machine plugged into its own isolated circuit, as it could potentially overload the breaker. If you do plan on using an extension cord, make sure it is rated for at least 20 amps which, is a 10 gauge cord or thicker. If you plan on using a surge protector or power strip, make sure the specifications will support your machine. Using an insufficient power strip or surge protector can stall your heat press from reaching its desired temperature.



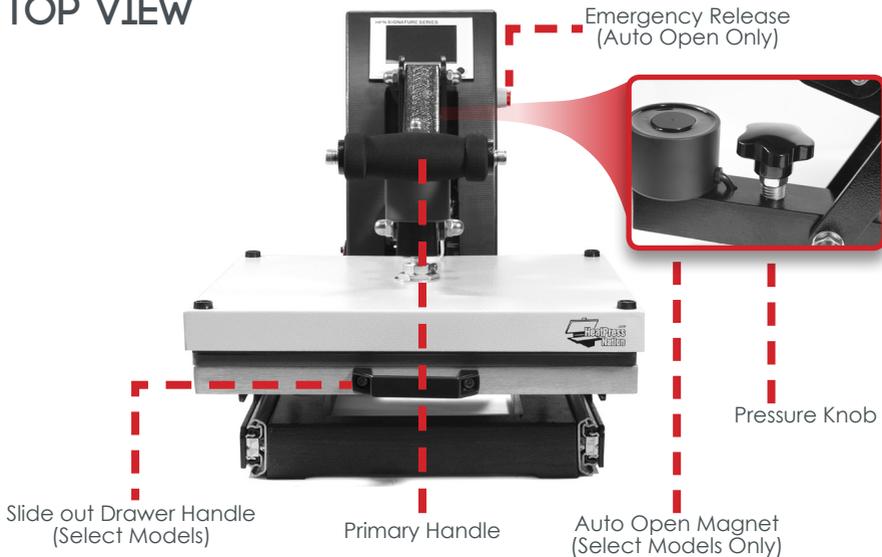
# CLAMSHELL MODEL

## SIDE VIEW

Red Rocker  
Power Switch  
&  
Circuit Breaker



## TOP VIEW



# CLAMSHELL MODEL

## COMPUTER GAUGE

Present Value

Set Value

Press Counter

Tactile Buttons



## INTERNALS

Computer Gauge

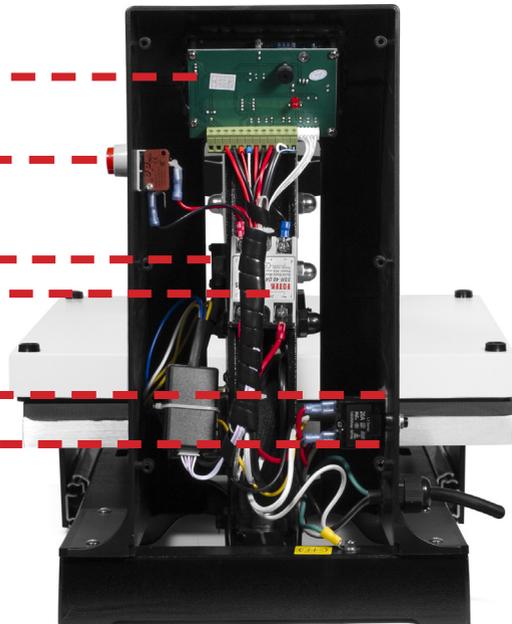
Emergency Release  
(Auto Open Only)

Timer Actuator

Solid State Relay

Red Rocker  
Power Switch

Circuit Breakers



Call Us: (800)215-0894

# SWING AWAY MODEL

## SWING HANDLE ATTACHMENT LOCATION

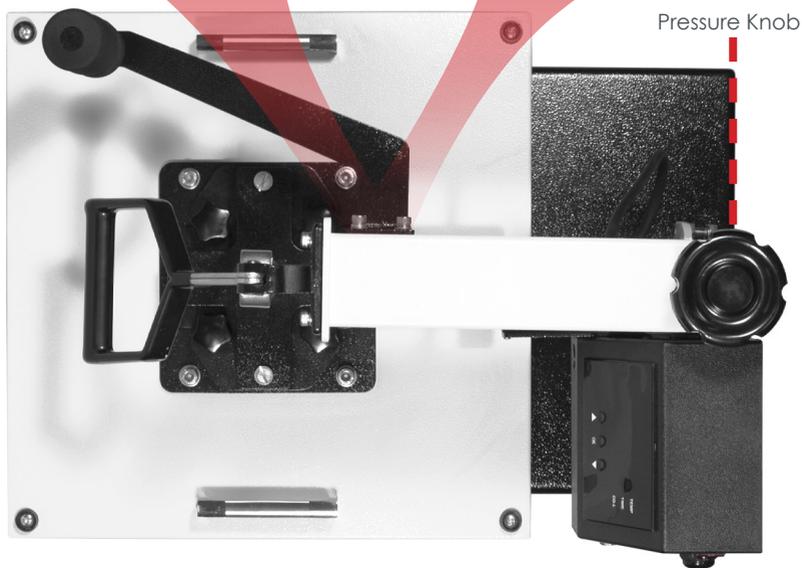
16x20 Swing Away



15x15 Swing Away



OR



Pressure Knob

HPN-SIG-1515-S

# LABEL PRESS MODEL



Call Us: (800)215-0894

# GAUGE 1 USAGE MODEL

1



Turn on the power switch and the display should turn ON. The digital display shows as above.

2



Press "OK". Use "▲" or "▼" to switch between "C°" or "F°" for your desired reading.

3



Press "OK" to set the temperature as labeled "SV". Use the arrow keys to select desired temperature.

4



Press "OK" button to set time. This will be labeled "SV" on the right. Use arrow keys to set desired time.

5



Press "OK" to enter real time mode. Note that "PV" is short for present value. "SV" is the desired value.

6



The "COUNTER" on the bottom right shows the number of transfer cycles. It can range from 0 to 999. Press "Reset" for 5 seconds to make counter go to 0.

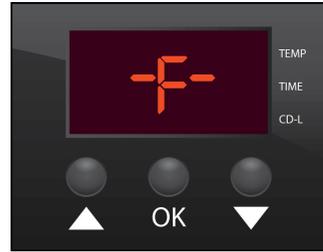
# GAUGE 2 USAGE MODEL

1



Turn on the power switch. It will say OFF. Press OK to turn on the machine. This is a safety feature.

2



Press "OK". Use "▲" or "▼" to switch between "C°" or "F°" for your desired temperature scale.

3



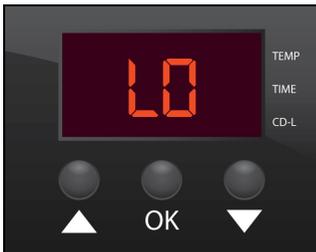
Press "OK" to set the temperature. A red dot will appear next to "TEMP". Use the arrow keys to select desired temperature.

4



Press "OK" to set the timer. A red dot will appear next to "TIME". Use the arrow keys to select desired value.

5



Press "OK" to enter real time mode. Note that the display might say "LO". This is because the heat press is still heating up.

6



A red dot will appear next to "CD-L" when the press is closed. This indicates that the timer has started and is now counting down.

# FULLY AUTOMATIC MUG PRESS

## AUTOMATIC



## AUTOMATIC MUG PRESS OPERATING GUIDE

1. Press "OK" to switch between Fahrenheit and Celsius
2. To set temperature, press "OK" once and the upper numbers will blink which indicates you can now change the values to your choice
3. To set the time, press "OK" until the numbers to the right of time start blinking.
4. Once you're all done, press "OK" one last time and your machine will start heating in this general mode. When it reaches your desired temperature, you will be ready to insert a mug into the heating element. The heating element will automatically wrap around the mug.
5. When the timer reaches 0, the mug press will automatically release.

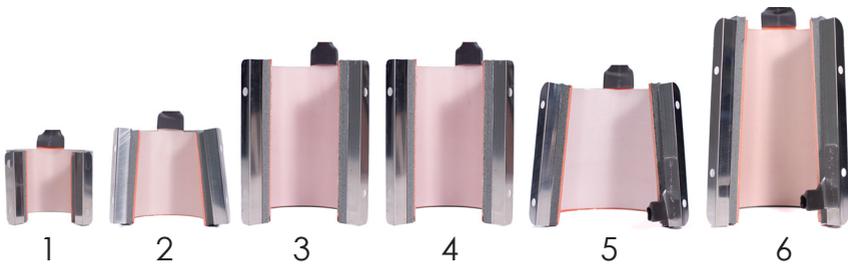
**TO RELEASE THE GRIP OF THE MACHINE, PRESS THE RED "EMERGENCY RELEASE BUTTON"**

# STANDARD MUG PRESS

## STANDARD



## STANDARD MUG PRESS HEATING ELEMENTS



1. Mini Mug
2. Shot Glass
3. Water Bottle & 6oz. Mug
4. 11 & 15 oz. Mug
5. 12 oz. Latte Mug
6. 17 oz. Latte Mug

For use with Standard Mug Press Only (HPN-SIG-MUG)

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# BEFORE YOU START

## TIME, TEMPERATURE, AND PRESSURE

Time, temperature and pressure are the three settings that you will work with in every heat press application. The recommended settings of time, temperature and pressure will typically come from the instructions of the heat transfer material that you are working with. However, due to the variety of products that each user works with (heat presses, t-shirt fabric, substrate and transfer material, etc.), we do recommend testing and adjusting these settings to reach an ideal transfer quality for your combination of products.

## TESTING PRESSURE BEFORE APPLICATION

Test the pressure before heat pressing anything. If you are pressing a garment, we would highly recommend performing a simple paper pressure test.

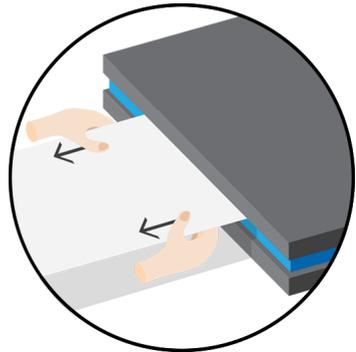
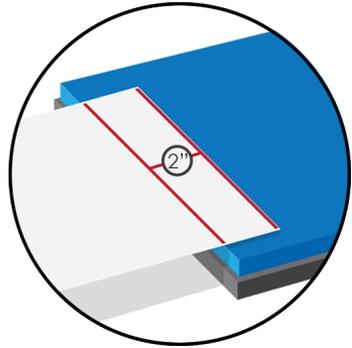


HPN-SIG-CAPLABEL

# PAPER PRESSURE TEST

## PERFORMING THE PAPER PRESSURE TEST

1. Take a plain piece of 8.5" x 11" copy paper and insert only 2" of the paper in the front of the machine.
2. Lock your machine down completely and try tugging on the paper on both ends.
3. If the paper slips out, open your machine and start turning the pressure knob clockwise to add more pressure. The rule should always follow as, "righty tighty, lefty loosey."
4. If the paper does not slip out then the pressure us proper.
5. Repeat steps 1 through 4 on the front, left, and right side of the heat press.
6. This is what is considered 50-60 psi or medium to heavy pressure.
7. From here, you may gauge pressure and adjust accordingly to reach light to heavy pressure.



# MATERIAL APPLICATION

## CHOOSE THE RIGHT MATERIALS

There are a variety of heat transfer materials and it is important to know which materials work best on certain fabrics. The list below will help you decide which materials are best for your heat transfer application.

### White & Light Colors



Inkjet/Laser Light Transfer Paper, ChromaBlast, Heat Transfer Vinyl, Plastisol, Rhinestones

### Black & Dark Colors



Inkjet/Laser Opaque/Dark Transfer Paper, Heat Transfer Vinyl, Plastisol, Rhinestones

## REMOVE MOISTURE AND WRINKLES

Before applying the transfer onto your garment, lower down the heating element for about 5 seconds so it can settle on top of your fabric to remove all the moisture and wrinkles.

## BE WARY OF SEAMS

Seams can cause pressure imbalance which leads to transfers not sticking properly and falling off after a wash. Try to hang the seams

off of the platen when pressing but if you are unable to do so, there are great products we sell such as the Tee Pad It or Sof-Fusion Pressing Pillows that act as a pressure isolator. You will use these cushion pad like products to raise the part you are trying to press so that all the seams, buttons, collars, and zippers will not be pressed.

## ALIGNMENT IS KEY FOR A PROFESSIONAL JOB

The "Tee Square It" is an alignment tool that is great in helping you align your designs to the proper area of the T-shirt while also keeping it completely straight. Other alignment tools are available on our website to help you have a professional result.

## PROTECT YOUR HEAT PRESS AND TRANSFERS

To prevent staining of your top heat platen or residual ink transfer to your t-shirt or transfer material, we recommend the use of a Pro Grade Non-Stick Sheet or the Pro Grade Non Stick Upper Platen Protector.

## PROTECT YOUR LOWER PLATEN AND INCREASE PRODUCTION

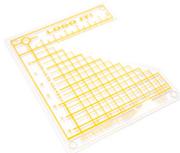
To prevent staining of your lower platen and increase the life of your silicone pad, we recommend the use of the Quick Slip Non-Stick Lower Platen Protector. In addition, the slick surface makes t-shirts slide on and off the machine much faster.



Tee Square



Tee Pad It!



Logo Grid It!



Pro Grade  
Non-Stick Sheet

All these tools are available at [HeatPressNation.com](http://HeatPressNation.com)

# MATERIAL GUIDELINES

- HEAT TRANSFER VINYL
- HEAT TRANSFER PAPER
- SUBLIMATION
- RHINESTONE

## HEAT TRANSFER VINYL

Transfer Material	Temperature	Time	Pressure	Trim	Peel
Siser Easyweed	305F/150C	10-15s	Medium-Firm	No	Hot or Cold
Siser Easyweed Extra	320F/160C	10s	Light-Medium	No	Hot or Cold
Siser Easyweed Stretch	305F/150C	10-15s	Medium-Firm	No	Hot or Cold
Siser Easyweed Electric	305F/150C	15s	Medium	No	Hot or Cold
Siser Glitter	320F/160C	10-15s	Firm	No	Warm
Siser CADFlex	305F/150C	10-15s	Medium	No	Cold
Siser VideoFlex Glitter	305F/150C	10-15s	Medium	No	Cold
Siser Metallic	305F/150C	10-15s	Medium	No	Cold
Siser StripFlock	320F/160C	10-15s	Medium	No	Cold
Siser ReflectAll	305F/150C	10-15s	Medium	No	Cold
Siser Holographic	320F/160C	10-15s	Firm	No	Cold
Siser Easyweed Glow	305F/150C	2-3s	Medium	No	Hot or Cold
Siser Brick	311F/155C	5-15s	Medium-Firm	No	Cold
Siser ColorPrint Soft	311F/155C	10-15s	Medium	No	Warm
Siser ColorPrint Sublithin	265F/130C	15s	Medium	No	Warm
Siser ColorPrint PU	295F/146C	15-20s	Medium	No	Hot
Siser ColorPrint Glitter	320F/160C	15s	Medium	No	Hot
Siser ColorPrint Extra	320F/160C	10-15s	Light	No	Hot

These settings are based off of various internal tests. Time and temperature can vary depending on the model of heat press.

# MATERIAL GUIDELINES

## STANDARD HEAT TRANSFER PAPER

Transfer Paper	Shirt Material	Colors	Temperature	Time	Pressure	Mirror	Trim	Peel
Paropy Ink Jet Light Professional	100% Cotton, 100% Polyester, Cotton & Poly Blends	White & Light Colors	350F/175C	20s	Heavy	Yes	Moderate	Hot
Paropy Ink Jet Dark Professional	100% Cotton, 100% Polyester, Cotton & Poly Blends	Black & Dark Colors	375F/190C	25s	Medium	No	Full	Cold
Paropy Laser Light	100% Cotton, 100% Polyester, Cotton & Poly Blends	White & Light Colors	385F-400F/190C-250C	25-30s	Maximum	Yes	Moderate	Hot
Paropy Laser Dark Opaque	100% Cotton, 100% Polyester, Cotton & Poly Blends	Black & Dark Colors	350F/175C	30s	Medium	No	Full	Cold
Neenah Jet-Pro SS	100% Cotton, 100% Polyester, Cotton & Poly Blends	White & Light Colors	375F/190C	30s	Heavy	Yes	Moderate	Hot
Neenah Jet-Pro Active Wear	Synthetic and Performance Fabric	White & Light Colors	375F/190C	20s	Medium	Yes	Moderate	Hot
Neenah Jet-Opaque Dark	100% Cotton, 100% Polyester, Cotton & Poly Blends, Leather	Black & Dark Colors	350F/175C	30s	Heavy	No	Full	Cold
Neenah 3G Jet-Opaque Dark	100% Cotton, 100% Polyester, Cotton & Poly Blends, Leather	Black & Dark Colors	350F/175C	30s	Medium	No	Full	Cold
Neenah Techni-Print EZP	100% Cotton, 100% Polyester, Cotton & Poly Blends, Leather	White & Light Colors	375F/190C	25s	Heavy	Yes	Moderate	Hot
Neenah Laser-One Opaque	100% Cotton, 100% Polyester, Cotton & Poly Blends, Leather, Nylon, Wood Veneer, Magnets	Black & Dark Colors	350F/175C	30s	Medium	No	Full	Cold

## SELF WEEDING HEAT TRANSFER PAPER

Transfer Paper	Shirt Material	Colors	Step 1 Temperature & Time	Step 2 Temperature & Time	Pressure	Mirror
Neenah Image Clip Laser Light	100% Cotton, 100% Polyester, Cotton & Poly Blends	White & Light Colors	210F/99C @ 20 sec. Peel Hot	375F/190C 30 sec. Peel Hot	Heavy	Yes
Neenah Image Clip Laser Dark	100% Cotton, 100% Polyester, Cotton & Poly Blends, Leather	Black & Dark Colors	250F/121C @ 25 sec. Peel Hot	375F/190C 25 sec. Peel Cold	Heavy	Yes
Forever Laser Light Weedless	100% Cotton, 100% Polyester, Cotton & Poly Blends	White & Light Colors	N/A	356F/180C 30 sec. Peel Warm	Medium	Yes
Forever Laser-Dark (No-Cut) LowTemp	100% Cotton, 100% Polyester, Cotton & Poly Blends	Black & Dark Colors	320F/160C @ 90-120 sec. Peel Hot	300F-320F/150C-160C. Peel Cold	Medium	Yes

These settings are based off of various internal tests. Time and temperature can vary depending on the model of heat press.

Call Us: (800)215-0894

# MATERIAL GUIDELINES

## COMMON SUBLIMATION BLANKS

Substrate	Temperature	Time	Pressure
100% Polyester	375F-385F	45-60 sec.	Light
Ceramic Mugs	360F-385F	180-240 sec.	Heavy
Ceramic Tiles	400F	4-5 min.	Medium
Hardboard Tiles	400F	35-40 sec.	Medium
Fabric Coasters	400F	30 sec.	Medium
Hardboard Coasters	400F	30-45 sec.	Medium
Award Plaques	400F	30-45 sec.	Medium
Chromaluxe Panels	400F	90-120 sec.	Medium
Mouse Pads	400F	30 sec.	Medium
Phone Case Metal Inserts	400F	45-60 sec.	Medium
Ceramic Plates	360F	120 sec.	Medium
Metal Tags/Badge	400F	30-45 sec.	Medium
Magnets	400F	30-45 sec.	Medium
Ceramic Ornament	400F	120 sec.	Medium
Unisub Ornaments	400F	30-45 sec.	Medium
Metal Water Bottles	360F	60-90 sec.	Light/Medium

These settings are based off of various internal tests. Time and temperature can vary depending on the model of heat press.

# MATERIAL GUIDELINES

## RHINESTONE

Transfer Material	Temperature	Time	Pressure
Bella Machine Cut 6SS	320F/160C	15s	Medium
Bella Machine Cut 10SS	320F/160C	15s	Medium
Bella Machine Cut 16SS	320F/160C	15s	Medium
Bella Machine Cut 20SS	320F/160C	15s	Medium
Bella Machine Cut 30SS	320F/160C	15s	Medium
Bella Machine Cut 34SS	320F/160C	15s	Medium
Silhouette Assorted Rhinestones 10ss	325F/163C	10-15s	Firm
Silhouette Assorted Rhinestones 16ss	325F/163C	10-15s	Firm

These settings are based off of various internal tests. Time and temperature can vary depending on the model of heat press.



ThermoFlex



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# TROUBLESHOOTING

Transfer Material	Solution	Tools Required	Time
<p><b>Machine does not turn on or shuts off during use.</b></p> <p>If your machine doesn't turn on, this could either be a loose connection from shipping or your power switch and/or circuit breaker may have tripped during use.</p>	<ul style="list-style-type: none"> <li>Check the wires that go into the red rocker switch and the circuit breaker fuse. Make sure they are tightly connected.</li> <li>If there is no light on the red rocker switch, you will need to replace the switch.</li> <li>If there is light on the red rocker switch, you will need to replace the circuit breaker fuse.</li> </ul>	<p><b>Phillips Screw Driver</b></p> <ul style="list-style-type: none"> <li>To open the back panel.</li> </ul> <p><b>Needle Nose Pliers</b></p> <ul style="list-style-type: none"> <li>To pull the wire connectors off of the component with ease. Sometimes they are difficult to pull out with your fingers.</li> </ul>	5-10 Minutes
<p><b>Machine does not heat up</b></p> <p>If your machine doesn't heat up, the two most common factors would either be the heating element or the solid state relay. You can identify which part it is by doing a simple solid state relay test.</p>	<ul style="list-style-type: none"> <li>Locate the solid state relay which has screws labeled 1, 2, 3, and 4. Disconnect and cross the wire from port #1 into port #2. Now you will have both wires connected into port #2 and no wire in port #1.</li> <li>Once tightly connected, turn on your machine and see if it heats up. If your machine heats up while the wires are crossed, then your heating element is working and the cause of the issue is likely the solid state relay. If it doesn't heat up, then your solid state relay is fine and your heating element will need to be replaced.</li> <li>Once the solid state relay test is complete, do not operate the machine in this manner and return the moved wire back to its original position.</li> </ul>	<p><b>Phillips Screw Driver</b></p> <ul style="list-style-type: none"> <li>To open the back panel.</li> <li>To unscrew and screw the solid state relay port.</li> </ul>	15 Minutes
<p><b>Timer does not start</b></p> <p>This machine has a timer actuator switch that engages and disengages every time you close and open your machine. Over time, the metal arm on the switch may be bent to a position that does not allow for solid contact and engagement of the timer. If this is the case, you will need to bend it manually back to the original position.</p>	<ul style="list-style-type: none"> <li>Locate the timer actuator switch that is located in the center of the machine behind the pressure rod. This piece is a small plastic component with an aluminum metal arm. You can identify this piece by the black/red color.</li> <li>Lower down and see if the arm structure to your machine is clicking into the switch. If it is not, when you will need to be the metal arm upwards so that your machine will click into it.</li> </ul>	<p><b>Phillips Screw Driver</b></p> <ul style="list-style-type: none"> <li>To open the back panel.</li> </ul>	5-10 Minutes
<p><b>Continually heats and does not stop</b></p> <p>This could be an indication that your solid state relay is not shutting off when it has reached the desired temperature.</p>	<ul style="list-style-type: none"> <li>Check the wires that go into your solid state relay. Make sure wires on port #1 and port #2 are on their own designated spot. If your wires are crossed from the solid state relay test, you will need to place the wires back to the original spot or else it will continue to heat and not stop</li> <li>Check the red light on the solid state relay when it reaches your desired temperature. The light should turn off or blink when it reaches the temperature if it is working correctly. If it doesn't turn off, then you will need to replace the solid state relay.</li> </ul>	<p><b>Phillips Screw Driver</b></p> <ul style="list-style-type: none"> <li>To open the back panel.</li> <li>To unscrew and screw the solid state relay port</li> </ul>	5 Minutes
<p><b>Auto Open model does not lock down in place</b></p> <p>The auto open models are equipped with electro magnets that lock your machine into place when you close down the lid. But sometimes, the pressure level can affect the magnet from working correctly.</p>	<ul style="list-style-type: none"> <li>Make sure the pressure is set so that it is firm to close.</li> <li>If it still doesn't lock in, then you will need to replace the computer gauge.</li> </ul>	N/A	1-3 Min

# TROUBLESHOOTING

Transfer Material	Solution	Tools Required	Time
<p><b>Temperature display shows 000 number</b></p> <p>This could either be an issue with the computer gauge or heat sensor wire. There is a wire that connects directly from the heating element and into your temperature gauge. If this wire is damaged, loose, or disconnected, your temperature display will show either 000 or HH.</p>	<ul style="list-style-type: none"> <li>Start by disconnecting the large green connector behind your computer gauge and connecting it back in. Sometimes if this is slightly loose, you will get that error reading.</li> <li>If you're facing the temperature gauge directly from behind, the two wires on the bottom right corner are your heat sensor wires. If you route them to the other side, they should go directly into your heating element. Make sure this wire is tightly connected.</li> <li>Try disconnecting them and reconnecting it just to be sure they're tightly connected.</li> <li>If problem persists, you will need to replace the heat sensor wire.</li> </ul>	<p><b>Phillips Screw Driver</b></p> <ul style="list-style-type: none"> <li>To open the back panel.</li> <li>To unscrew and screw the wire for the heat sensor wire</li> </ul>	5 Minutes
<p><b>Auto Open model does not pop open when it is done counting down</b></p> <p>All auto open models are supposed to open on their own when the timer has completed counting down. The gas shocks installed are supposed to push your upper platen up very much like the shocks on a car trunk.</p>	<ul style="list-style-type: none"> <li>Turn your machine off completely and start by closing down the lid while it is off.</li> <li>If your machine doesn't pop up, then start increasing the pressure knob to the right until it pops up on its own.</li> <li>If you are noticing that the machine doesn't pop up even when the pressure is set heavy, then try lifting the handle upwards and see if the platen stays up or if it falls down.</li> <li>If your platen falls down, then your gas shocks have failed and will need to be replaced.</li> </ul>	N/A	1-3 Min

## Notes:

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Contact Us!  
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