

BLUE

User Manual



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NEED HELP WITH YOUR NEW HEAT PRESS? Blue Ox heat presses are sold and supported in the United States By USCutter. For sales and support:
(425)481-3555
<http://support.uscutter.com>
6:15am - 4:45pm PST

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Thank you for purchasing this heat press from USCutter. The following are important things you need to know before you begin:

- Intended usage of this Heat Press: This heat press is designed to press heat transfer vinyl (HTV), sublimation and transfer papers onto soft garments.

Do not attempt to set the temperature on this device at higher than 480 degrees Fahrenheit as it will burn out the heating element.

Also avoid use of this heat press for other activities such as food preparation or extraction of oils from plant materials and other alternative uses.

Use of this heat press in a manner other than intended will void the warranty, will damage the machine, and may constitute a fire hazard.

- Preserve the shipping carton: Please do not discard or disassemble the carton this heat press came in. It was designed to hold the weight of this machine during shipping.

Should you need to return the equipment due to warranty or repair, you will need it. Do not attempt to ship this equipment in a different container.

- Follow manufacturer instructions on materials you press: Always use recommended settings from the manufacturer for any material used in this press. Those instructions are usually always available on-line from the material maker.

Instructions on the most common and recommended materials are enclosed within this documentation.

- Test before you press: We encourage you to always do a test of your fabric and HTV or transfer paper together using a small sample of the materials before you do volume production.

If possible your test should include actually washing and drying a pressed garment to assure that the media has properly adhered to the garment using the heat and pressure setting you have selected.

- Use extreme care during operation: Please also be careful as you operate the heat press. During operation the platens will get hot enough to do serious injury to you should you touch them, and surrounding metal parts will also reach high temperatures.

Please educate children and others around this equipment that it is not a toy and can cause severe burns and/or injury if the unit is closed onto fingers or other body parts.

- Electrical Source: This heat press is designed for the North American market and is designed to plug into a standard household 3 prong outlet. (110-120V/60Hz.) Do not attempt to use this press with a two prong electrical cord or otherwise use it without proper grounding.

Control Panel

Adjusts the temperature and time settings of heat press.

Pressure Adjust Knob

Adjusts the amount of pressure output from press.

Top Platen

Heats to desired temperature/ presses vinyl into garment.

Caution HOT!

Slide Out Platen

Where to place and remove garments/H.T.V. Slides in and out while press is open using the handle located under platen.

Caution may be HOT!

Heat Press Overview

Open and Close Arm

Opens and closes top platen.

Electromagnet

Auto-release magnet triggered by the heat press timer. Optional, USCutter does not support. Disclaimer: *Read instructions on how to use Electromagnetic feature page4.*

Power Switch/Plug

Plug power cord into male adapter. Flip switch to power heat press.



Control Panel Overview

Display Screen

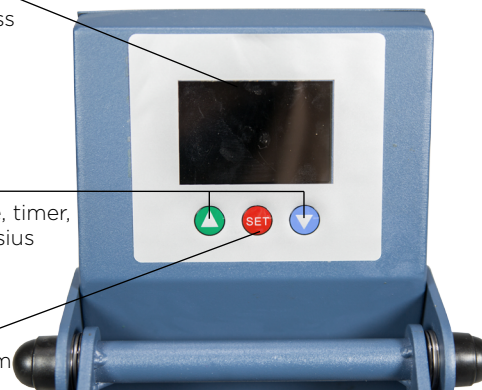
Displays current press settings.

Adjustment Settings

Adjusts temperature, timer, and Fahrenheit/ Celsius settings.

SET Button

Sets temperature, time and cycles through Fahrenheit/Celsius.



Optional: Electromagnetic Release Feature

USCutter **DOES NOT** support the electromagnetic release feature equipped with your Blue Ox Press and recommends that you detach the top metal disc that joins the electromagnet to the press before any operation due to manufacturer flaws. To accomplish this, simply unscrew the **top nut** from the press arm while the platens are open.



However, if you wish to use this feature, please follow these basic guidelines on the Electromagnetic Release feature:

1. Set your press to "medium pressure" (see page 5).
2. This feature will only function correctly when the press is set to "medium pressure" due to the alignment of the magnet.
3. Once the top platen is closed, the press timer will start and the electromagnet will activate. During this time it will be very difficult to open the press until the set time has run out. When timer is finished the electromagnet will release and the press will be easy to fully open again. Please remember this feature is **not** supported by USCutter.

Basic operating instructions:

4. Connect the power cord to the press and a 110 volt outlet. Turn the power switch on. The Display Screen should illuminate.
5. Press SET button. The Display Screen should read P-1. This is where you set the temperature you would like to press with the up and down (Adjustment Setting) arrows then press SET again to save. Keep palet open during the heating process.
6. Once you have the desired temperature input, press the SET button again and the Display Screen should read P-2. This is where you set the time alarm for the press. Press SET again to save. Once you have both time and temperature set up, press the SET button one more time and the Display screen will revert to the current temperature of the press which will eventually settle on whatever you programmed the final temperature to be.
7. To switch between Farenehit and Celsius temperature outputs, press and hold the SET button until the press reads P-3. Use the up and down arrows (Adjustment Settings) to cycle between desired temperature output scales. Press and hold the SET button until Display Screen shows current temperature

How to calibrate the pressure of your new Heat Press:

The innstructions from manufacturers of your heat transfer vinyls and transfer papers will instruct you to use Low, Medium, or High Pressure during the application process. Here's how to calibrate your machine and identify those settings. (Do this while the platens are cold.)

1. Turn the pressure knob counterclockwise a few times to lower pressure on the platens.
2. Place a piece of paper onto the bottom of the platen.
3. Close the clamshell press using the handle.
4. Pull on the paper.
5. If the paper moves at all, turn the knob clockwise and try again.
6. Try again and repeat until the paper doesn't move at all. This is your "Medium" pressure.

From the "Medium" setting, High pressure will be clockwise one to two turns. Low pressure will be counterclockwise one to two turns. The number of turns will depend the thickness of the garment.

Note: Using Medium and High pressure will make it a bit difficult to close the heat press. During the pressing process, the goal is to press the heated material into the fibers of the garment.

How to press Heat Transfer Vinyl (HTV):

1. Use a vinyl cutter to cut your heat transfer vinyl material. Remember, that unless otherwise instructed by the manufacturer, you will want to Mirror the design so that when it cuts it appears backwards. Using Sure Cuts A Lot, this option will appear on your Cut Setting menu as a click-box. With Vinyl Master, you will find the selection for the "MIRROR" option in the Send To Be Cut pop-up window.
2. Weed your design, removing the excess material. Remember to remove any material inside the cavity such as the inside of the letters O and A.
3. Find the appropriate heating instructions for the material you are using either online or in the chart located on the Blue Ox heat press/ this manual, and set your time and temperature according to the manufacturer's recommended settings.
4. Use the Pressure Adjustment Knob on the top of the press to adjust the pressure as recommended.
5. When the heat press reaches it's target temperature, place your garment on the bottom platen so that it is flat and there are no wrinkles in the material. Warning: The Platens will be **VERY HOT!**
6. Pre-press the garment for 2 to 3 seconds to remove wrinkles and moisture.
7. Position the heat transfer vinyl on the shirt so that the colored vinyl on the liner is touching the shirt. Your design should appear through the liner un-mirrored.
8. Lay a sheet of non-stick paper over the design to keep the top platen clean and avoid scorching the surface of your heat transfer vinyl.
9. Press the material at the time/temperature recommended by the manufacturer.
10. Open the press and remove the non-stick paper. Set it aside as it can be re-used.
11. Peel the liner off the top of the garment based on manufactuerer instructions.



Your Guide To Perfect Results Every Time.



PRODUCT	USED ON	TEMP.	PRESSURE	TIME (IN SECONDS)	PEEL
Siser Easyweed	Cotton, Polyester and Polycotton Blends	305°F 151°C	Medium	10-15	Hot/ Cold
Siser Glitter	Cotton, Polyester and Polycotton blends	320°F 160°C	Firm	10-15	Hot
Siser Glow-In-The-Dark	Leather and Polycotton Blends	305°F 151°C	Medium	10-15	Hot/ Cold
Siser Stretch	Lycra/Spandex & Cotton/Polycotton Blends	305°F 151°C	Med./Firm	15	Hot/ Cold
Siser Electric	Cotton, Polyester and Polycotton Blends	305°F 151°C	Medium	15	Hot/ Cold
Siser Extra	Leather, Siliconed Nylons, Polycotton Blends	320°F 160°C	Light/Med.	10	Hot/ Cold
Siser Perf	Cotton, Polyester and Polycotton Blends	305°F 151°C	Medium	10-15	Hot/ Cold
Siser Metallic	Cotton, Polyester and Polycotton Blends	305°F 151°C	Medium	10-15	Cold
Siser Holographic	Cotton, Polyester and Polycotton Blends	320°F 160°C	Firm	10-15	Cold
Siser StripFlock	Cotton, Polyester and Polycotton Blends	320°F 160°C	Medium	15-20	Cold
Siser Reflect All	Polycotton blends and 100% Polyester	305°F 151°C	Medium	10	Warm
Siser CADflex	Polycotton blends and 100% Polyester	305°F 151°C	Medium	15	Cold

Siser ColorPrint PU	Cotton, Polyester and Polycotton Blends	295°F 146°C	Medium	15-20	Hot
Siser ColorPrint Soft	Cotton, Polyester and Polycotton Blends	311°F 155°C	Medium	10-15	Warm
Siser Foil	Cotton, Polyester and Polycotton Blends	275°F 135°C	Medium	15	Cold
Siser ColorPrint Easy	Cotton, Polyester and Polycotton Blends	300°F 149°C	Medium	15	Warm
Siser ColorPrint Extra	Leather, Siliconed Nylons, Polycotton Blends	320°F 160°C	Light	10-15	Hot
Siser ColorPrint Glitter	Leather and Polycotton Blends	320°F 160°C	Medium	15	Hot
Chemica Fashion Prints	Cotton, Polyester and Polycotton Blends	310°F 154°C	Medium	15-20	Cold
Chemica Camouflage	Cotton, Polyester and Polycotton Blends	310°F 154°C	Medium	15-20	Cold
Chemica Animal Print	Cotton, Polyester and Polycotton Blends	310°F 154°C	Medium	15-20	Cold
Chemica Sports 3D	Cotton, Polyester and Polycotton Blends	310°F 154°C	Med./Firm	15-20	Cold
Color Theory Glitter	Cotton, Polyester, & Cotton Poly Blend	320°F 160°C	Firm	10-15	Cold
Color Theory Metallic	Cotton, Polyester, & Cotton Poly Blend	320°F 160°C	Firm	10-15	Cold
Color Theory Prism	Polycotton blends and 100% Polyester	305°F 151°C	Medium	10	Warm
Color Theory Sequin	Polycotton blends and 100% Polyester	345°F 160°C	Medium	10	Cold
Color Theory Primary	Cotton, Polyester and Polycotton Blends	295°F 146°C	Medium	15-20	Hot

Using your Heat Press to press Transfer Paper:

As with all media you'll use on your heat press, we encourage you to look for the pressing recommendations from the manufacturer of the transfer material on-line if possible. If you can't find specific instructions, the following are general guidelines for your consideration.

Care Instructions:

Wait 25 hours after pressing before washing. Machine wash using mild detergent. Do not use bleach or other aggressive cleaning agents. Turn garment inside out before washing. Do not dry clean.

TRANSFERS	PRINTER	GARMENT	TEMP.	TIME	PRESSURE
Sublimation Paper	Ricoh, Sawgrass	Cotton	400°F	25-30sec.	Medium
Ink Tran. Paper	Ink jet Printer	Light Color	365°F	15sec.	Medium
		Dark Color	330°F	25sec.	Medium
Laser Transfer Paper	Laser Printer	Light Color	365°F	15sec.	Medium
		Dark Color	330°F	25sec.	Medium
Trim Free Laser Transfer	Laser Printer	Paper A	250°F	20sec.	High
	/	Paper B	340°F	25sec.	High
Transfer Vinyls	Cutting Plotter	/	300-320°F	8-10sec.	Medium
Plastisol Transfer	/	/	390°F	15sec.	High
Eco-solvent Transfer Paper	Printing & Plotter	/	330°F	15-25sec.	High

When I pressed my HTV, the material would not stick to the garment and/or fell off during washing. How do I fix this?

First double check manufacturer instructions – especially on heat and pressure settings. If you are following them to the letter, increase your pressure. Remember: Pressing isn't just about heating the vinyl – it's about pushing the vinyl into the materials so that the adhesive finds a grip. Increasing the pressure is often the solution.

You might also need to increase your temperature a bit, but try this after you've increased the pressure, and don't up the temperature by more than about 5% over manufacturer instructions.

When I peeled the carrier sheet from my HTV, the color vinyl came up off the garment but the adhesive below it stayed in place. What happened?

You are most likely peeling the material to hot. HTV material like metallic, printed/fashion, and many others are usually recommended for cold peel.

If that's not it, double check the garment you are pressing and make sure it's appropriate for the HTV you are using. If the material has a coating of any kind, you might need to use a special HTV specifically designed for sticking to coated materials. A common example of this is someone trying to heat press HTV onto a water resistant fabric. Using an HTV like Siser Extra will solve the problem.

My transfer paper is sticking to the heated platen. How do I fix this?

We really recommend the use of non-stick paper for most transfer pressings. In the case of the Flex-Soft NO-Cut Fel form Forever Paper use the supplied non-stick paper – not Teflon – which can damage the flex material.

When I transfer, my colors look faded.

You need to increase the amount of time you're pressing and/or increase the heat by 20 degrees.

My Heat Press won't heat up.

Heat presses use a lot of energy while they are heating up. It's possible that the energy drain has blown the fuse in the press. The Fuse is a common household fuse available at any hardware store. The fuse housing is on the side of the press and can be accessed with a phillips head screwdriver.

Time/Temperature control panel shows "000"

If you see this, turn the machine off and back on. If that doesn't fix it, please contact our support group as a replacement part might be necessary.

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