

Pro World Transpro 16x20 Heat Press



Introduction:

The heat press is designed to apply heat to a heat transfer vinyl fusing it to fabric. While the bed has a 16"x20" area, it is recommended designs be no larger than 14"x18" to help ensure the edges of the design are evenly pressed.

This heat press is semi-automatic meaning that once the timer counts down the handle will release on its own ensuring you don't over press your design.

Machine Set Up

Parts of the Heat Press	1
Adjusting the thickness to a material	1
Editing the machine settings	2

Pressing a design

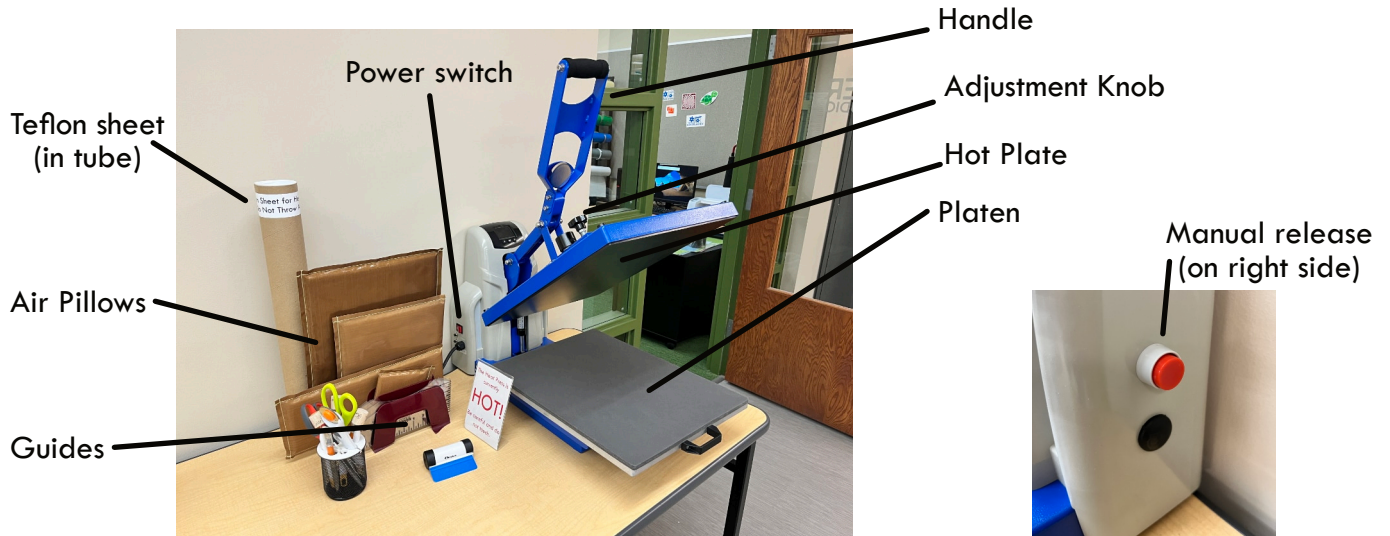
Using single color heat transfer	3
Using a printed heat transfer design	5
Using a sublimated image	8

Alignment

Using the tee square	10
Using the quick guides	12

Machine Set Up

Parts of the Heat Press



The manual release should be pressed in the event that you need to release the handle before the timer runs out. This commonly happens when adjusting pressure, but may also happen under poor or odd pressing circumstances.

Adjusting the thickness to a material

To adjust the thickness of a material, it's best to do so while the heat press is off and cool. But it can be done while on, you just need to be careful of the hot plate.

1. Set your material on the platen.
2. Lower the handle down until you can lower it no more. If your material is too thick, it won't close all the way. If it's too thin it will close fully with no resistance.
3. The goal for this step is that the handle should close with a little force and snap shut when it does.
4. Examine the gap between your material and the hot plate.



5. If the press locked in place, press the manual release button on the right side of the machine. Open the heat press by raising the handle, and turn the knob to adjust the thickness settings. Turning clockwise will close a gap, turning counter-clockwise will open the press wider.



6. Repeat the process of closing and checking until the handle snugly closes around your object when lowered.

Editing the machine settings



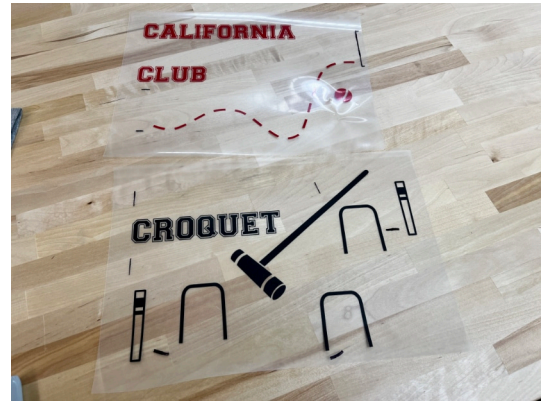
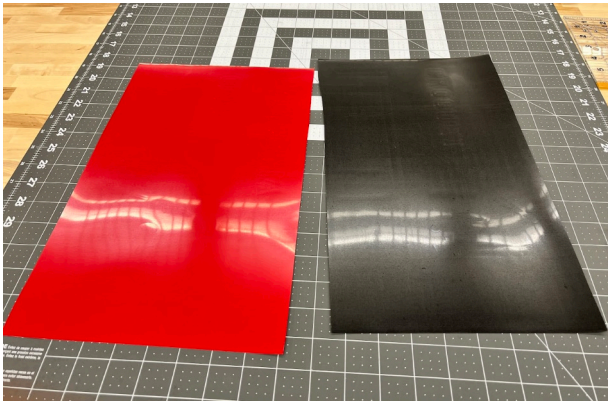
1. Press the OK button twice until the temperature is flashing.
2. Use the up and down buttons to set the temperature. Then press the OK button.
3. Use the up and down buttons to set the timer. Then press the OK button.
4. The time and temperature are now locked in.

Pressing a design

Using single color heat transfer

Note: Some light discoloring of the fabric may occur with use of the heat press, particularly with red fabrics. This discoloration usually goes away after a short period of time.

1. Take your single color cut vinyl and weed the parts so the design is left behind. Ensure you cut your design using the mirror setting. Once weeded, flip them over so the vinyl is on the bottom and the clear backing is now on the top.



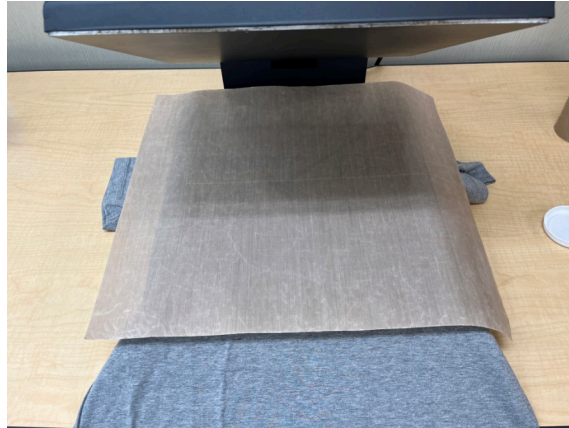
2. Turn on the heat press using the switch on the left hand side. The heat press has a memory and applies whatever settings were last used when it boots up. You may need to adjust these as necessary before pressing your project. See the previous section “Editing the machine settings” for more information on how to do this.



3. Extend the platen by pulling on the handle. This gives you more room to work while staying away from the hot plate.



4. Place your material flat on the platen and the heat transfer vinyl on top of your material with the transfer tape facing up. Then place the Teflon sheet over top of the design. (Sheet is located inside the cardboard tube beside the heat press.)
 - a. If a transfer tape is no longer in place due to a second color or additional pressing, place the Teflon sheet directly over the vinyl design to keep the vinyl from adhering to the hot plate.



5. Slide the platen back in fully.

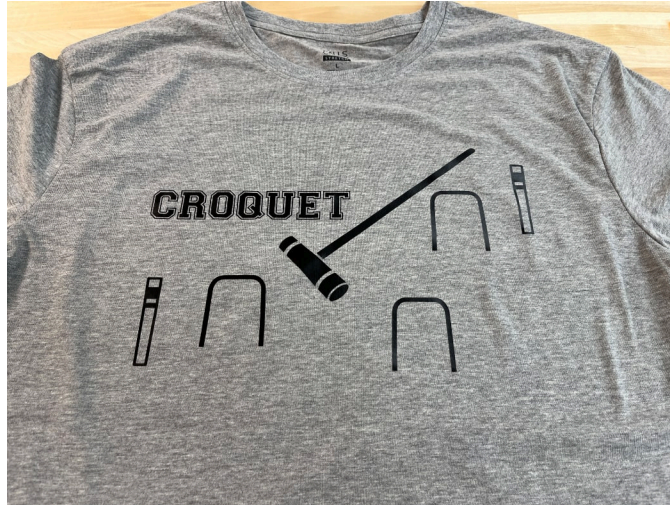


6. Lower the handle and begin the press. The timer should begin counting down from 5 seconds.



7. When the timer is done it will beep and automatically open. If the pressure settings were not set just right, the handle may not release on it's own. But it will still unlock allowing you to lift the lid by hand.

8. Remove the Teflon sheet and peel the transfer tape off of the design while still hot.
 - a. If the design didn't press fully, place the Teflon sheet back down and press for another 5 seconds.



9. If using multiple colors, apply the next color and ensure any exposed vinyl is covered with a Teflon sheet as to not let it stick to the lid.

Using a printed heat transfer design

Pressing a printed design works the same mechanically, though there are a couple of extra steps.

Note: Some light discoloring of the fabric may occur with use of the heat press, particularly with red fabrics. This discoloration usually goes away after a short period of time.

1. Take the printed heat transfer element and weed away any parts that aren't needed.



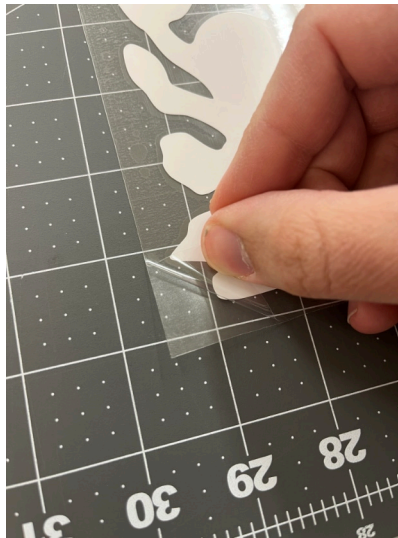
2. Cut a section of the clear transfer tape off the roll that is slightly larger than your overall design.



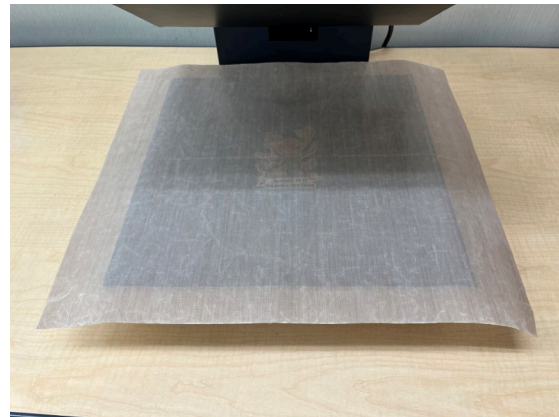
- a. You can reuse the same piece of transfer material several times. Feel free to use the same sheet until it stops adhering well to the vinyl during the transfer process.
3. Peel this off and lay it over your design. Squeegee out any air going from the center outward. Squeegee it from both sides longer than you think you should need to to ensure the design has firmly attached to the transfer tape.



4. Flip over your design and peel the clear backing off the heat transfer element. Do this at a sharp 45 degree angle.



5. Pull out the platen by the handle and place your heat transfer element over your shirt and cover it with the Teflon sheet. (The sheet is usually located on the table, but if not it is located in the cardboard tube beside the heat press.)



6. Push the platen back in and lower the handle. When the timer is done it will beep and automatically open. If the pressure settings were not set just right, the handle may not release on it's own. But it will still unlock allowing you to lift the lid by hand.
7. Immediately peel the transfer tape off of the design while it is still hot.



8. If the design pulled off from the shirt, place the Teflon sheet back over the design and press for another 5 seconds.

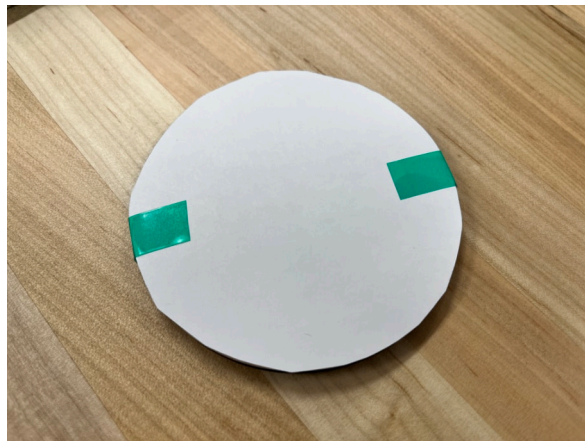
Using a sublimated image

This covers the process of pressing an image onto a sublimation ready product. See the guide for the Sublimation printer on how to create the printed design.

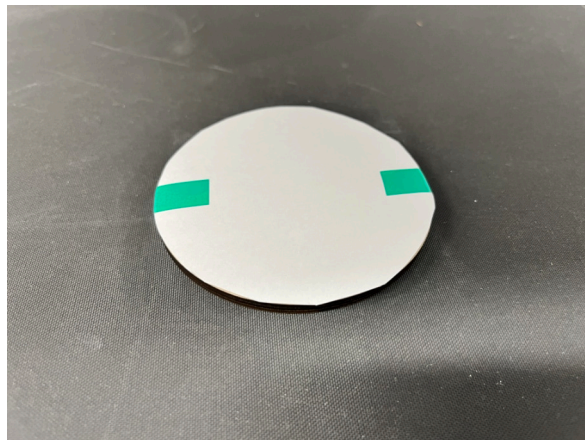
1. Cut the paper to be close to, but slightly larger than the size of your object.



2. Using some sublimation tape, secure the paper to your object with the printed side facing the sublimation ready side of your material. Not all materials are double sided. Look for a shiny side or a white side if unsure. Additionally, check if there is a clear protective film applied to your object. If so, be sure to remove that before applying your image.

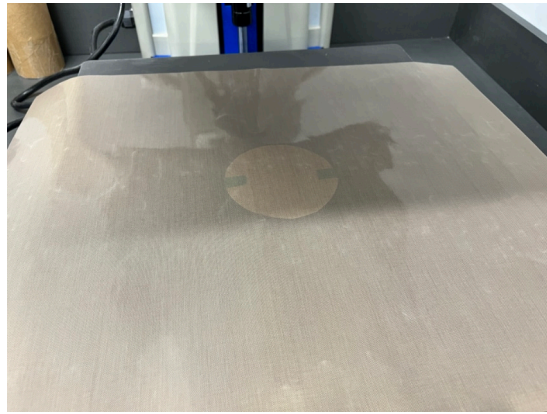


3. Having adjusted the heat press for your material (see the section on “Adjusting the Thickness to a Material” for how to do so) place the object with the paper side up onto the heat press.



- a. Note, this is general advice and there may be times you should put the paper face down. Always refer to the information provided by the maker of your object.

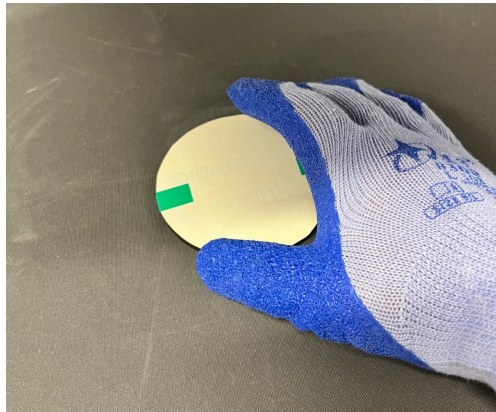
4. Add the Teflon sheet over the object.



5. Close the press until it clicks. Wait for the timer to finish. The press to auto release.



6. Using the heat resistant gloves, remove your object from the heat press to cool.



7. Once it has cooled, unseal the tape and remove the paper from the object.



Alignment

Some items can be applied by look such as a simple design being added to a drink koozie. However, items like a T-shirt may require the use of alignment guides. This section will cover how to apply a design using the tee square alignment guides. If you don't need as much precision, there are quick alignment templates described in the next section.

Using the tee square

1. Lay a T-shirt out on a work surface so you can see the whole shirt.
2. Place the alignment guides onto the shirt.
 - a. The vertical post looks like a T and the top part can be aligned with the collar of the shirt. The bottom of the T goes at the edge of the collar, and then set the arrows so they are centered between both sides.



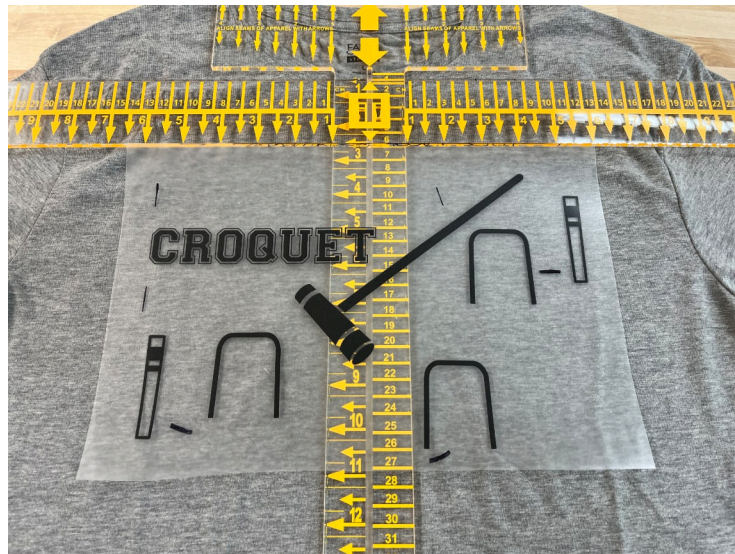
- b. The second part is a horizontal bar the slots into the groove on the first piece. It allows you to adjust the left and right alignment of your shirt design.



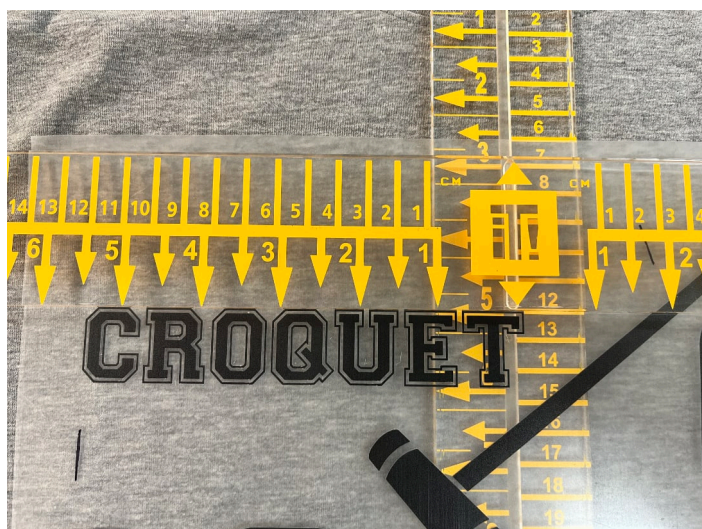
- c. Check that the numbers match on the left and right sides. If they don't, hold the vertical guide near the collar and pivot the vertical bar so that the numbers match on each side of the horizontal bar. This indicates your vertical line is now centered on the shirt.



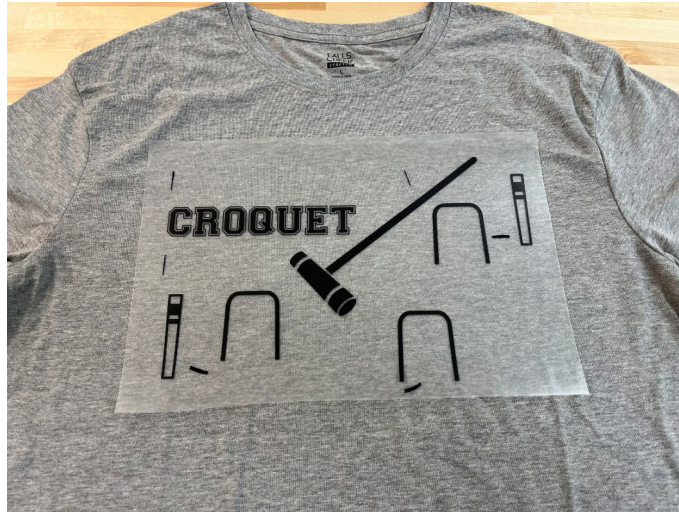
3. Line up your heat transfer element so that it is even on both sides and the desired distance down from the neck of the shirt.



4. Slide the horizontal bar down to the bottom edge of the design (or to one part of the design with the straightest horizontal line) and check that the design is aligned correctly.



5. Once the position has been achieved hold the heat transfer item in place as you remove the alignment guides.



6. Set your shirt on the platen and proceed with pressing your design.

Using the quick guides

If you just want a quick measurement but don't require the exact precision of the tee square, there are a supply of clear acrylic templates in the stand of the left of the heat press.

1. Place the shirt on a table or platen. Set the appropriate guide on the shirt aligning to the collar.



2. Place your design along the edge of the template where you want to place your design.



3. Hold your design in place and remove the template.
4. Proceed to the press to press your design.