

PixMax™ Flat Transfer Press Instruction Manual

(For the 380 x 380 mm and 400 x 500 mm models)

The PixMax™ flat transfer press will transfer any design, image or literature on to ceramic, glass, metal or cloth flat objects that can be heated up to °C. Transfer unique images to create personal, commercial or memorial products in minutes with simple operation, no skill required and with flexibility in space and functionality.

Components:

1. Press Handle
2. Power On/Off
3. Pressure Screw
4. Temperature Controller
5. Timer
6. Heat Board with Teflon cover
7. Silica Gel Holder

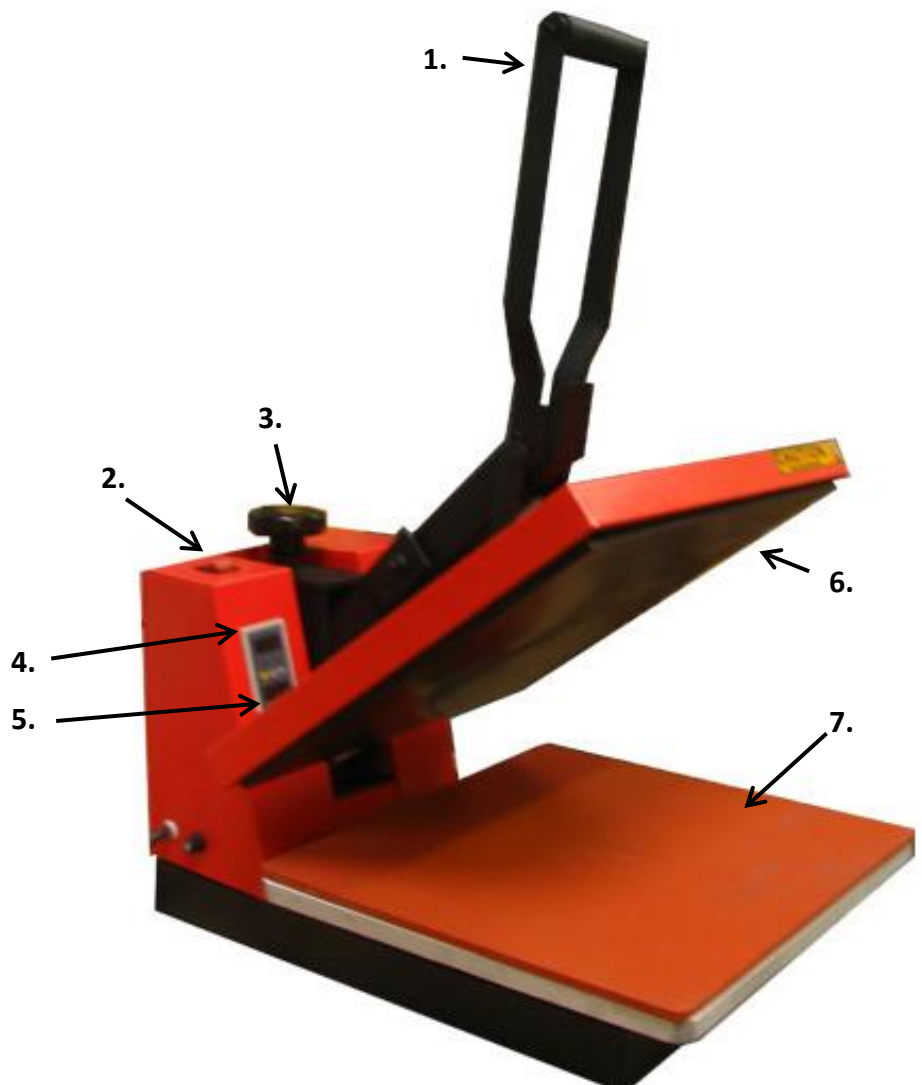


Figure 1: PixMax™ flat transfer press components

Technical Parameters:

Specified Voltage 240V
Power 2.2KW or 2.5KW
Temperature Range 0-400 °C
Time Range 0-999 Seconds
Dimension 380mm x 380mm or
400mm x 500mm

Operating Procedures

Setting the Control Parameters

1. Plug the press into a suitable power supply and switch on the power switch.
2. After a few seconds the top display will indicate the current temperature of the press.
3. The target temperature can be adjusted by pressing the SET button on the top display and using the “^” or “v” buttons (as shown in **Fig. 2.**) to lower or heighten the temperature. Press the SET button again to revert back to current temperature.
4. The pressing time can be adjusted by pressing the SET button on the bottom display. Then press “^” or “v” to set the required time in seconds. Press the SET button again to revert out of the set mode.
5. Adjust the pressure by turning the pressure screw. This is important in ensuring that the product has the correct pressure applied so that the print is good and that the product doesn’t break.
6. Once the display indicates that the target temperature has been reached. Place the product and the design on the lower plate. Press the handle down. The timer will count down the set amount of seconds. When ‘0’ is reached an audible indicator will sound. Lift the handle and remove the product using insulated gloves.



Figure 2: Control Panel

Using paper for light colours:

1. Mirror print your design or image on light sublimation paper. (**Fig. 9.**)
2. Push the press handle up to open the heat board. (**Fig. 3.**)
3. Switch the power on.
4. Adjust the temperature controller to set the desired temperature appropriate to the product. It takes 10 minutes to reach 180°C.
5. Adjust the time controller to the appropriate heating time. (The heating time depends on the product and the temperature).
6. The machine will maintain the target temperature after reaching the target temperature limit.
7. Put the product on the silica gel board and put the picture facing the product for heat transferring. Ensure the pressure on the product is correct, if it is set **too heavy** the press may be **extremely hard to re-open** and the handle may break. If the pressure is **too light** the design **will not transfer** to the product correctly. Push the press handle down and the timer count will start automatically. (**Fig 4. 5. & 6.**)
Note: Ensure the desired temperature has been reached before pressing.
8. After the pre-set time has expired, the buzzer will sound. Release the press handle to remove the product. Make sure to take the product out of the machine once the pressing is complete. (**Fig. 7.**)



Figure 3: Handle in upright position



Figure 4: Pressure screw



Figure 5: Product placed on silica gel board

Operating Procedures

Using paper for dark colours:

1. Print your picture on dark sublimation printing paper.
2. Push the press handle up to open the heat board. (Fig. 3.)
3. Switch the power on.
4. Adjust the temperature controller to set the desired heating temperature appropriate to the product. It takes 10 minutes to reach 180°C.
5. Adjust the time controller to the appropriate heating time. (The heating time depends on the product and the temperature).
6. The machine will maintain the target temperature after reaching the target temperature limit.
7. Put the product on the silica gel board holder; place the picture face up for heat transferring. Push the press handle down. Ensure the pressure on the product is correct, if it is set **too heavy** the press may be **extremely hard to re-open** and the handle may break. If the pressure is **too light** the design **will not transfer** to the product correctly. The timer count will start automatically. (Fig. 4. 5. & 6.)
8. After the pre-set time has expired, the buzzer will sound. Release the press handle to remove the product. Make sure to take the product out of the machine once the pressing is complete. (Fig. 7.)



Figure 6: Heat press locked down on product



Figure 7: Press released and design removed to reveal finished product

Recommended settings:

This is a rough guide for the recommended values of the temperature and time settings. Both may vary depending on requirement.

	Light coloured cotton	Dark coloured cotton	Light coloured polyester/cotton mix	Dark coloured polyester/cotton mix	Polymer coated ceramics
Temperature (preliminary/target)	180°C	180°C	180°C	180°C	220°C
Time	30 seconds	30 seconds	120 seconds	120 seconds	60 seconds

Printing and Design Instructions

These instructions are based on the use of an Epson s22 ink jet printer and supporting CISS (continuous ink supply system). It is important in ensuring that the product images are correctly designed and printed before being transferred in the pressing stage. Please follow the step by step instructions.

1. Firstly, create or acquire the design that you wish to print on to the product. Any design or word processing software can be used to achieve this. Ensure that all boundaries and sizes are catered to fit the product and that the images are manipulated to your desire. This may include colour correction, cropping, transforming etc. (**Fig. 8.**)
2. Once this has been done and ready to print, set the print option to **mirror the image** or design (if the product requires it). You will find this option in the “Printer Settings” menu on the “Page Layout” tab. This is vitally important in ensuring that your design sublimates onto the product correctly. (**Fig. 9.**)
3. If using a CISS system ensure it is fully functioning within your ink jet printer. This can be done by printing a test of your design on regular plain paper. If you are happy with the quality of the print then move onto the next step. If you are not happy with the quality of the print then check your printer maintenance options. **Note: The colour depth of sublimation ink on regular paper will be less than that on sublimation paper.**
4. Load the PixMax™ high quality sublimation paper into the ink jet printer with the whitest/ brightest side facing frontwards and print the design. (**Fig. 10.**) **Note: This is important to ensure that the design will transfer onto the product in the pressing stage.**
5. Once the image has printed, trim the sublimation paper around the image so it fits properly when wrapped around the product. (**Fig. 11.**)

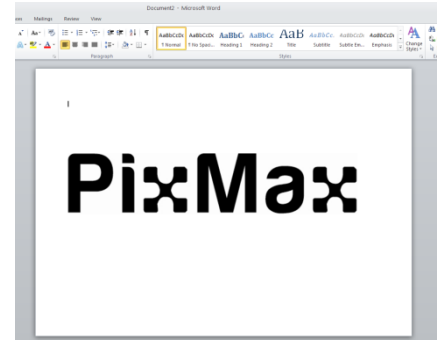


Figure 8: Design creation

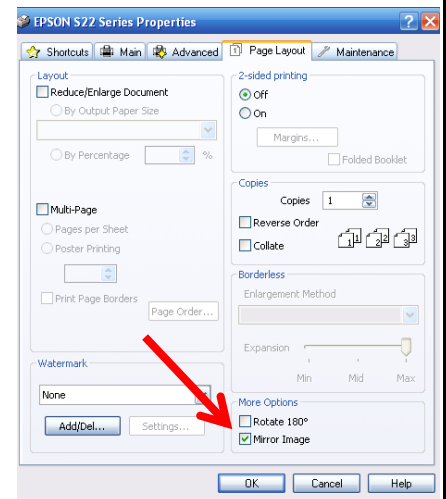


Figure 9: Mirror image for print



Figure 10: Sublimation paper correct printing side



Figure 11: Trim the design

Maintenance and Caution

1. Pressure: Adjust pressure screw clockwise to increase the pressure, counter clockwise to decrease the pressure
2. Time: Check and adjust the position of the switch in the rear machine case if the buzzer is not warning when the time is finished.
3. Please check the circuit if the heat board is not heating up after the machine has been turned on. (Ensure the press is unplugged before touching or fixing circuitry).

Caution:

- 1. The machine must be connected with the ground wire.**
- 2. Do not touch the heat board whilst in operation.**
- 3. Do not touch the heat board once you have finished pressing as it requires time to cool down.**
- 4. Please keep children away from the machine.**
- 5. Please use heat insulated gloves to pick up the finished goods.**