

INFORMATION & INSTRUCTIONS

General Use

- Fabrics (100% polyester or special fabric for sublimation);
- Specially coated ceramics, metals (super-hard polymer coating);
- Mouse pad material, coasters, slates

Printing

When using SubliJet refer to the Sawgrass Print Manager Manual. If using Epson or another brand of ink, use the instruction manual provided from the vendor you purchased your ink from. All images should be MIRRORED unless specified below.

Important

When the image is printed, it may look dull on the paper—this is normal. Trim the image to make it easier to position on your item. Secure your image to the object with heat tape to keep it from slipping or shifting. Protective plastic sheet on the insert must be peeled off before use with sublimation.

When pressing is done, open the press slowly and gently remove the object and remove the paper (be careful not to let the paper shift across the surface of the object, or you may create a “ghost” image). When the object is removed from the press, just let it cool.

Heat Press Setup

Pressing time may vary. Adjust according to your own press. In order to properly heat set your sublimation transfers, you will need to adjust some settings depending on what type of material you are transferring to. Below is a guide for most sublimatable imprints.

► Ceramic Mugs

Temperature: Phoenix Mug Press: 360°F; Idle 300°F; Other mug presses without an Idle: 400°F / **Time:** 240 seconds / **Pressure:** light

Tips: Print transfer and attach to the mug using a heat resistant tape. Wrap the mug with pellon (recommended) or plain white paper. Place the mug in the press for 4 minutes. Remove the mug from the press and remove the transfer immediately. Place the mug in room temperature water to cool and to stop the sublimation process. Additional notes: It is important to recognize what your specific mugs “safe area” is. It is suggested that you make a test mug to define an area that you can depend on for quality results. For example, an average mug may take an image up to 1/2 inch of the top and bottom and no closer than 1 inch of the handles horizontally.

► Porcelain Mugs / Porcelain Money Banks / Porcelain Jar Holders / Porcelain Candles Holder

Temperature: Phoenix Mug Press: 360°F; Idle 300°F; Other mug presses without an Idle: 400°F / **Time:** 180-190 seconds / **Pressure:** light

Tips: Print transfer and attach to the mug using a heat resistant tape. Wrap the mug with pellon (recommended) or plain white paper. Place the mug in the press for 3 minutes. Remove the mug from the press and remove the transfer immediately. Place the mug in room temperature water to cool and to stop the sublimation process.

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► Stainless Steel Travel Mugs

Temperature: Phoenix Mug Press: 360°F; Idle 300°F; Other mug presses without an Idle: 400°F / **Time:** 60 seconds / **Pressure:** light

Tips: Print transfer and trim to slightly smaller size than mug. Remove the plastic lid. Attach the transfer in position to the mug, using a heat resistant tape. Wrap the mug with pellon (recommended) or plain white paper. Place the mug in the press and press for 60 seconds. Remove the mug from the press and remove the transfer immediately. Allow to cool.

► Aluminum Water Bottles

Temperature: Phoenix Mug Press: 390°F; Idle 205°F; Other mug presses without an Idle: 400°F / **Time:** 60 seconds / **Pressure:** light

Tips for Phoenix Mug Press: Print transfer and attach to the water bottle using a heat resistant tape. Using the green heat shield, wrap around the bottle and close the mug press. Press for 60 seconds. Remove the bottle from the press and remove the transfer immediately. Place the water bottle on a clean surface in room temperature to cool and to stop the sublimation process.

Conventional Oven using mug wrap and heat shield: 400°F at 8 minutes

Additional notes: It is important to recognize what your specific water bottles "safe area" is. It is suggested that you test the product before pressing.

► Porcelain Ornaments / Porcelain Magnets

Temperature: 400°F / **Time:** 180 - 240 seconds / **Pressure:** light

Tips: Prepare your artwork and make transfer with consideration to the size and shape of the ornament or magnet. First place your rubber or felt pad on the press. Place item face down on image and tape with heat resistant tape. Place the item facing down on the heat press and cover with plain white paper. Press at 400°F for 3 - 4 minutes using light pressure.

Remove transfer immediately being very careful as ornament is extremely hot. Allow to cool on a clean surface.

► Ceramic Tiles

Temperature: 400°F / **Time:** 360-420 seconds / **Pressure:** light

Tips: Make transfer larger than the tile by at least 0.25". Using a heat resistant tape, secure the transfer face down on the tile. First place your rubber or felt pad on the press. Place the tile facing down and place a sheet of plain white paper on top. Press at 400°F for 6-7 minutes using light pressure.

Remove transfer immediately being very careful as tile is extremely hot. Allow to cool on a clean surface.

► Glass Tiles / Cutting Boards

Temperature: 400°F / **Time:** 240-300 seconds / **Pressure:** light

Tips: Make transfer larger than the item by at least 0.25". DO NOT MIRROR IMAGE. Using a heat resistant tape, secure the transfer face down on the tile. First place your rubber or felt pad on the press. Place the tile facing down and place a sheet of plain white paper on top. Press at 400°F for 4-5 minutes using light pressure.

Remove transfer immediately being very careful as tile is extremely hot. Allow to cool on a clean surface.

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► Tumbled Stone Tiles

Temperature: 400°F / **Time:** 300-360 seconds / **Pressure:** light to medium

Tips: Make transfer larger than the tile by at least 0.25". Using a heat resistant tape, secure the transfer face down on the tile. First place your rubber or felt pad on the press. Place the tile facing down and place a sheet of plain white paper on top. Press at 400°F for 5-6 minutes using light pressure.

Remove transfer immediately being very careful as tile is extremely hot. Allow to cool on a clean surface.

► Mousepads / Coasters / Can Coolers / Fabric Puzzles

Temperature: 400°F / **Time:** 35-45 seconds / **Pressure:** light to medium

Tips: Prepare your artwork and size transfer with consideration to the size of the item. Using heat resistant tape, fasten the item in position facing the printed side of the transfer. Spread a white piece of paper on the bottom of the press. Place the item on the heat press with the transfer on top of the item. Cover transfer with a sheet of plain white paper. Press with light to medium pressure for 35-45 seconds. Remove transfer immediately and set item to the side to cool.

*For Can Coolers, fold the black Velcro piece to the back before pressing to avoid crushing and flattening the velcro.

► Shopping Bags (See Joto's Bag Instructions for more info)

Temperature: 390°F / **Time:** 40 seconds / **Pressure:** high

Tips: Prepare artwork and size transfer with consideration to the size of the bag flap. Remove any lint or fibers which might still be on the flap. If applicable (Ladies' Handbag and Wallet), cover the leather part of the flap with heat tape, silicon paper or Teflon sheets. Prepress flap for 20 seconds at 390°F. Use heat resistant tape to fasten the transfer image side down on top of the flap. Lay a piece of white paper on the bottom of the press and place the flap on the heat press with transfer on top. Cover transfer with a sheet of plain white paper. Press at 390°F for 40 seconds with high pressure. Remove transfer while hot.

► Towels/ Sequin Pillows

Temperature: 360°F / **Time:** 120 seconds / **Pressure:** Medium

Tips: Prepare artwork and size transfer with consideration to the size of the towel. Use heat resistant tape to fasten the transfer image side down on the microfiber side of the towel. Lay two pieces of white paper on the bottom of the press and place the towel on the heat press with transfer on top. Cover transfer with two sheets of plain white paper. Press at 360°F for 120 seconds with medium pressure. Remove transfer while hot.

Note: To print on both sides of the Sequin Pillow, print each side separately. We recommend to sublimate the sequin side first if possible.

► Slates

Temperature: 360°F / **Time:** 8 minutes / **Pressure:** Light

Tips: Prepare artwork and size transfer with consideration to the size of the slate. Use heat resistant tape to fasten the transfer image side down on the sublimable side of the slate. Place a Nomex felt on the bottom of the press with two pieces of plain paper and place the slate face down on the heat press with transfer on top. Cover transfer with two sheets of plain white paper. Press at 360°F for 8 minutes with light pressure. Remove transfer while hot.

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► Vapor Apparel Performance Fabric (100% polyester)

Temperature: 375°F / **Time:** 35 seconds / **Pressure:** light to medium

Tips: Place the shirt face-up on the platform, smoothing out folds and wrinkles. Cut transfer to size and place the transfer face-down on the shirt. Press with light to medium pressure for 35 seconds. Peel the transfer and remove the shirt from the press. Allow to cool on a clean surface. With all polyester shirts pressing lines will occur. To reduce the visibility of the pressing lines you can place a clean sheet of Teflon on the heat pad before positioning the shirt. You may also want to bevel the edges of the heat press pad to a 45 degree angle using an Exacto knife.

****Important for pressing Ringer or Player T-shirts:** Do NOT put the colored collar or colored sleeve edge of the Ringer or Player T-shirts in the heat-press. If necessary, silicon paper may be placed inside the collar/T-shirt and around the collar to protect the rest of the T-shirt and the heat press.**

Vapor Apparel Production Recommendations

In order to ensure your success with our Vapor Apparel shirts we would like to strongly recommend and encourage these minor heat press modifications, production tips, and image preparations:

1. **Reduce Pressure & Temperature / Extend Dwell Time:**

A well known way to reduce heat press lines from apparel is by reducing the heat and pressure during pressing. We recommend all at 375°F for 35 seconds.

2. **Bevel Your Heat Press Pad at 45° Angle:**

By beveling or rounding the edge of your heat pad you are dramatically reducing pressure on the edge of the garment from the heat press. This will dramatically reduce heat transfer impressions on the garment. For a smooth edge, we recommend that you use an Exacto knife to trim the heat pad.

3. **Make Sure Paper is Larger than the Press Platen:**

This can usually be done with Epson 4000 and larger printers and will keep you from having paper press lines.

4. **Trim Images to Eliminate Paper Lines:**

When the printer is a 1280 or smaller, some decorators often take the time to trim the excess paper surrounding the transfer image. This prevents any detection of the paper press line by the customer. This step can be labor intensive if the graphics are odd shaped. Some decorators will also frame images with a darker color outline and then trim the excess paper.

5. **Other Tips for Eliminating the Paper Line:**

- Drop the head of the heat press on the sublimated shirt for 2-3 seconds after the paper is removed.
- Roll the shirt with a Teflon rolling pin immediately after pressing.
- Run your finger along the paper line immediately after pressing (Be careful - it will be hot!).

You may want to protect your finger with something.

► ilumipiX™ HD Panels (See Joto's ilumipiX™ Instructions for more info)

Temperature: 400°F / **Time:** 65-120 seconds / **Pressure:** High

Tips: Remove plastic cover from metal. Place Nomex felt the base of the heat press. Place silicone sheets on top. Prepare artwork and size transfer with consideration to the size of the metal. Use heat resistant tape to fasten the transfer image side down on white side of the metal. Flip metal and paper over and place in heat press with paper on top. Cover with polyester fabric. Press at 400°F at 65-120 seconds at maximum pressure. Let cool before removing transfer.

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