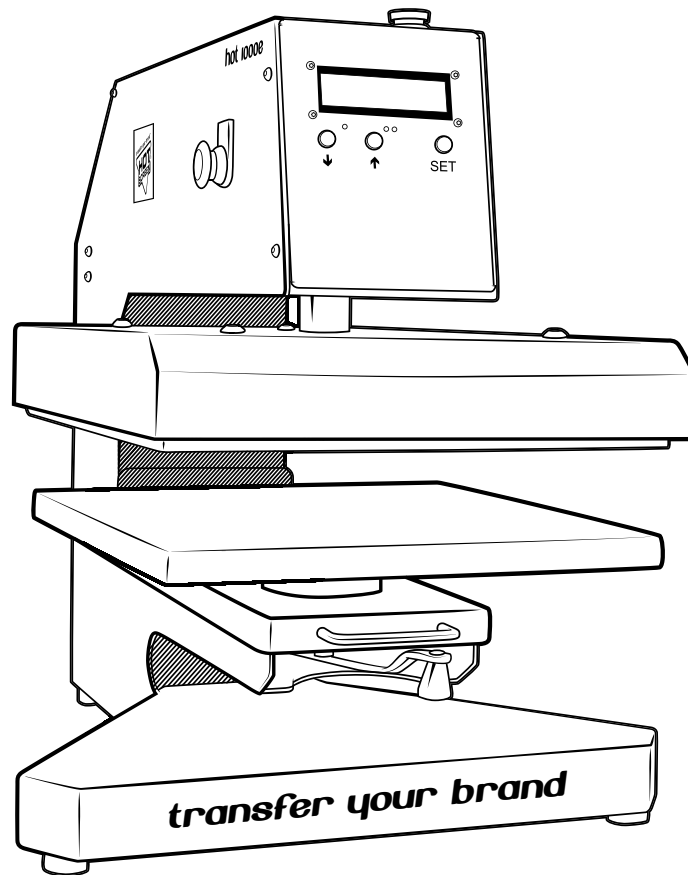


Hot 1000e

Version 1.0



ORIGINAL USER MANUAL



READ DIGITALLY
Scan to read the user manual digitally.

Please read the complete instructions of use before using the machine.



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CONGRATULATIONS ON YOUR INVESTMENT!

It is our sincere hope and belief that you will be satisfied with your new Hot 1000e heat press, and that you will enjoy using it. The heat press is designed and manufactured with user safety, ergonomics and efficiency in mind. It is also the first Hot Screen heat press to be completely powered by electricity. This means you do not have to purchase or maintain a compressor, but still enjoy all the advantages of always keeping a constant and precise pressure.

Read the complete user manual before commissioning the Hot 1000e heat press for both operational efficiency and user safety. By operating the machine correctly you minimize the risk of injury and failed applications caused by mistakes.



F. Skanselid

Fredrik Skanselid

CEO - Hot Screen

Fjärås, Sweden 15-03-2021

EC DECLARATION OF CONFORMITY FOR HOT 1000e HEAT PRESS

Directive 2006/42/EC, Annex II 1A

Conforms to the Machinery Directive 2006/42/EC.

Also complies with the following directives:

2014/35/EU, LVD

2014/30/EU, EMC

The following harmonized standards have been applied:

EN ISO 12100:2010 Safety of machinery - general principles for design - Risk assessment and risk reduction

EN ISO 13849-1:2016 Safety of machinery - Control systems - Safety-related parts of control systems - Part 1: General principles of design

EN ISO 13850:2015 Safety of machinery - Emergency stop function - Principles of design

EN ISO 13857:2008 Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs

EN 349:1993+A1:2008 Safety of machinery - Minimum distances to avoid crushing of body parts

EN 60204-1:2006 Safety of machinery - Electrical equipment of machines - Part 1: General claims

EN ISO 14120:2015 Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards

ISO 13851 Two-handed control devices

Authorized to compile technical documentation:

Name: Karl-Magnus Öjersson

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Gunneshögsvägen 2

43974 Fjärås, Sweden

Name:

Print name: Fredrik Skanselid

Position: CEO

City/Date: FJÄRÅS / 14-01-2021



SAFETY INSTRUCTIONS

Before using the Hot 1000e, all the basic precautions below must be followed

1. Follow the instructions to reduce the risk of burns, fire, electric shock or other injuries.
2. To prevent electric shocks, do not allow the Hot 1000e heat press to come into contact with water or other liquids.
3. When cleaning or performing other work than applying the heat transfer, disconnect the voltage and disconnect the plug from the electrical outlet.
4. Connect Hot 1000e directly to the power outlet, or use an approved 10A extension cord.
5. Never use the Hot 1000e if the cord or plug is damaged. Do not use it if water is spilled on the machine. Contact our heat press customer support for troubleshooting and repairs.
6. Only use Hot 1000e for its intended uses as described in the user manual (see page 8).
7. Only those who have read and understood this manual are considered authorized operators of the Hot 1000e heat press.
8. A safety distance of at least 1 metre around the heat press must be ensured in order to prevent accidental crushing injuries.
9. The Hot 1000e heat press must be recycled or destroyed according to local regulations for electrical machinery.

The contents of this user manual and product specifications may be changed without prior notice.

CONTACT DETAILS

ITEK AB (HEAT PRESS SERVICE)

 Ehns gata 11
511 56 Kinna, Sweden

 +46 (0)724-02 16 79

 Service@itekab.com

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RISK OF INJURY

As the heating plate and protective cover can reach high temperatures and there is a risk of crushing injuries, only authorized operators should have access to the machine while it is in operation.

Risk of personal injury

- Burns
- Crushing injuries
- Heavy lifting (when manually lifting the machine)

OTHER KNOWN RISKS

Decals of unknown quality and decals not intended for heat application should not be used due to the risk of gas release and fire hazard. Hot Screen's heat transfers are tested by test organizations and emit no dangerous gases (scan the QR code below to view the test report). Only textiles that are approved for decal heat application may be used with the machine.



READ TEST REPORT
Scan to read the test report digitally.

- The machine must not be covered.
- The machine must not be left in operation in unsupervised premises.
- The machine must not be washed with water, only wiped down with a damp cloth.

SAFETY FEATURES

The Hot 1000e heat press has two main safety features to prevent and avoid accidents.

- 1. Emergency stop:** The large red button on top of the machine. Disconnects the voltage and the heating plate to allow you to pull out objects stuck under the heating iron.
- 2. Two-handed grip:** The two-handed grip is designed to require both push buttons on the side of the heat press to be pressed with a maximum interval of 0.2 sec. for the machine to activate and the heating plate to be lowered. This ensures that the operator's hands are not crushed when the heating plate is lowered.

INTENDED USE

The machine is only intended for applying heat transfers with hot-melt adhesive on textile garments. The machine is designed especially for Hot Screen's heat transfer, but also works with heat transfers from other manufacturers. This requires the settings to adhere to the machine specifications.

MACHINE CLEANING

The machine may only be cleaned with a dry and clean cloth.

TRANSPORT

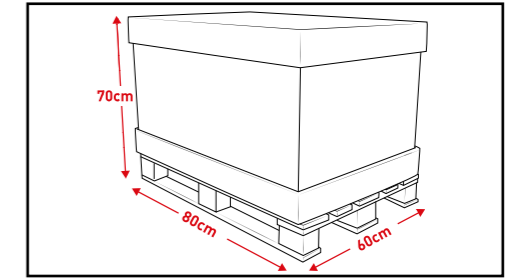
PACKAGING

The Hot 1000e heat press is delivered in a corrugated cardboard box attached to a pallet for safe transport.

Weight: (Packaging + contents): 100kg

Dimensions: 80 x 60 cm

Height: 70cm



LIFTING THE HEAT PRESS

The Hot 1000e heat press must be lifted with a pallet jack or forklift. When manually lifting the Hot 1000e heat press, at least two people are required. The decals on the machine indicate the appropriate location for the lifting strap.

INSTALLATION PLANNING

Plan your installation well before starting. There are several issues that you should consider before the installation. If you need help planning, you can contact one of our sales representatives for help.

Below are examples of important points to consider:

- The work environment where the heat press is placed is important to keep in mind at an early stage of the planning (temperature, light, air, etc.).
- The work table must have a comfortable height, 75–90 cm for a standing position. An electrically raised and lowered table is recommended.
- The bottom plate of the heat press is placed 22cm above the surface on which the machine is standing. There should be sufficient work surfaces on both sides of the machine, or room for a rolling table (see page 21 "Rolling table").
- Ensure that the heat press has sufficient clearance to allow for a smooth workflow.
- Enables efficient loading and unloading of finished garments.
- Safety distance of 1 metre from the movable heating plate.
- Access to voltage 220V 10A slow fuse (runs on its own circuit since all power is regularly used by the heat press)
- Internet access if you plan to use the placement tool from the Hot Screen as a reference for customer-specific placement.
- Proximity to computer and telephone for new orders and contact with Hot Screen sales support for application support.

INSTALLATION

Tools required for installation: knife or scissors for opening the packaging

1. Remove the packaging
2. Remove any screws and fasteners used to secure the heat press during transport
3. Place the heat press on the work table

COMMISSIONING

1. Connect the machine to the supply voltage (10A slow fuse with earthing).
2. Activate the heating press circuit breaker (see below)
3. Configure the temperature, time and pressure (see page 12-15)
4. The heat press is now ready for use

INTENDED USE

The machine is only intended for applying heat transfers with hot-melt adhesive on textile garments. The machine is specially developed for Hot Screen's heat transfers, but it works as designed when using heat transfers from other producers as long as the settings are within the specifications for the machine.

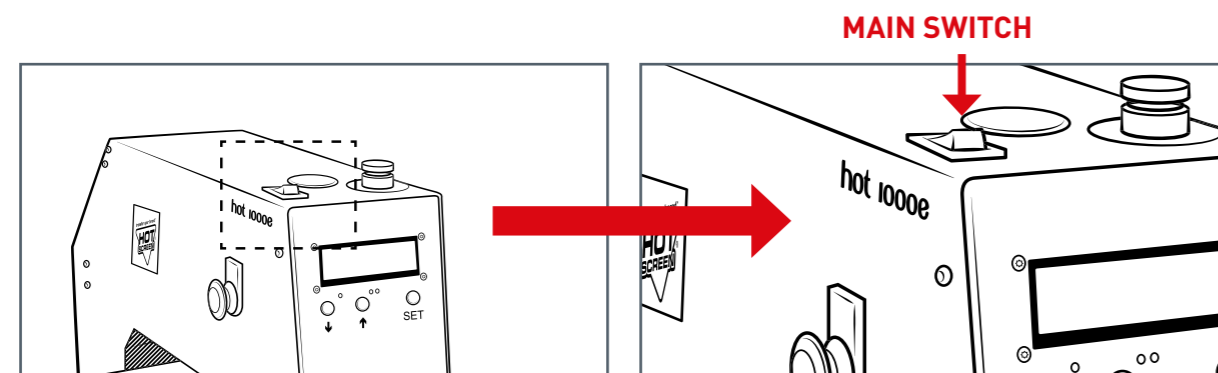
STORAGE

The heat press must be stored in a dry environment.

USING THE MACHINE

STARTING THE MACHINE - MAIN SWITCH

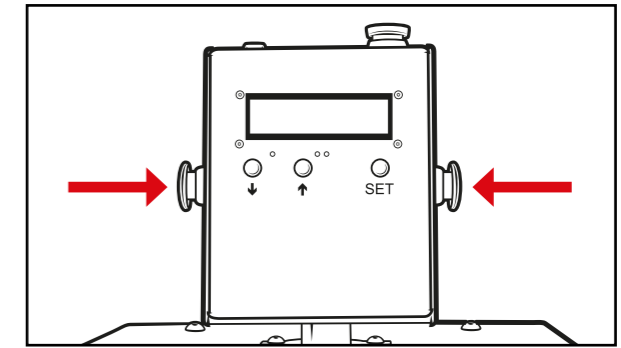
Start the machine by putting the switch in the "1" position. The display lights up and the machine starts. To turn off the machine, set switch to the "0" position. The machine and display are then switched off.



USING THE MACHINE CONT.

TWO-HANDED GRIP

The two-handed grip is designed so that you have to press both push buttons on the side of the heat press with a maximum interval of 0.2 seconds for the machine to activate and the heating plate to be lowered. To avoid crushing injuries, the buttons must be pressed for 1.5 seconds, or the plate will be raised. This ensures that the operator's hands are not crushed when the heating plate is lowered.



PRE-SHRINKING GARMENTS - INTERRUPTING THE TIME CYCLE

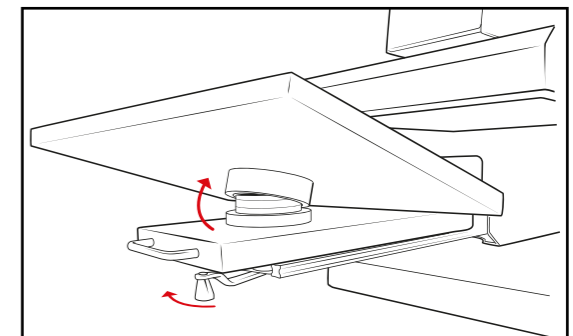
It is common to pre-heat/pre-shrink garments to prevent the garment from shrinking during the application phase. By pressing any of the control buttons once before the set time cycle is finished, the timer is interrupted regardless of the setting. The display reads "Cut" and the heat plate is raised to its original position. This feature makes it easy to pre-shrink garments without having to adjust the set application time in the menu.

CORRECT TEMPERATURE FEATURE

THE HOT 1000 E HEAT PRESS HAS AN INTEGRATED FEATURE THAT PREVENTS THE HEATING PLATE FROM BEING LOWERED BEFORE THE SET VALUE HAS BEEN REACHED. THE FEATURE ENSURES THAT THE SET TEMPERATURE IS THE ONE ACTUALLY USED FOR THE APPLICATION OF HEAT TRANSFER. (IF THE HEATING PLATE'S TEMPERATURE DEVIATES BY MORE THAN +/- 5 DEGREES CELSIUS FROM THE SET VALUE, THE HEAT PLATE IS NOT LOWERED. AN ERROR MESSAGE IS SHOWN ON THE DISPLAY, "Temp to high" OR "TEMP TO LOW".

CHANGING THE BOTTOM PLATE

1. Beneath the bottom plate is a lever used to release and lock the bottom plate. Move the lever to the left to release the bottom plate.
2. Lift the bottom plate straight up. Mount the required bottom plate and lock it in place by moving the lever to the right to return it to its starting position.



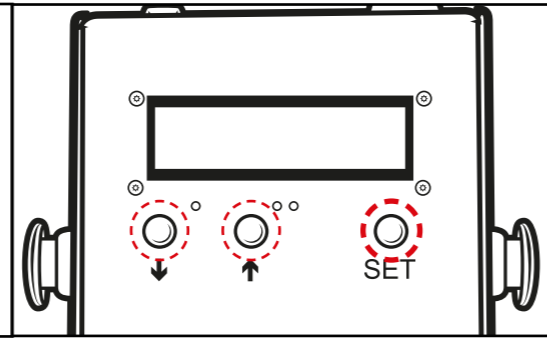
FEATURE FOR ENSURING THE CORRECT POSITION OF THE BOTTOM PLATE

The slide on which the base plate is mounted is equipped with a sensor that ensures the heating iron cannot be lowered in the wrong position. If you attempt to lower the heating iron while the heating plate is in the wrong position, the error message "TABLE POSITION" is shown on the display. Push the bottom plate until it reaches the end position in order for the machine to lower the heating iron.

USING THE MACHINE CONT.

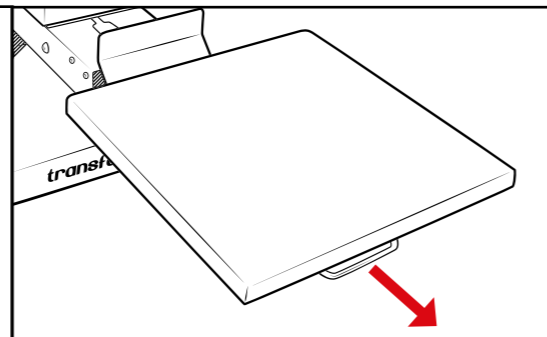
1. CONFIGURE THE SETTINGS

Configure the settings based on the product to be applied (see page 12-16)



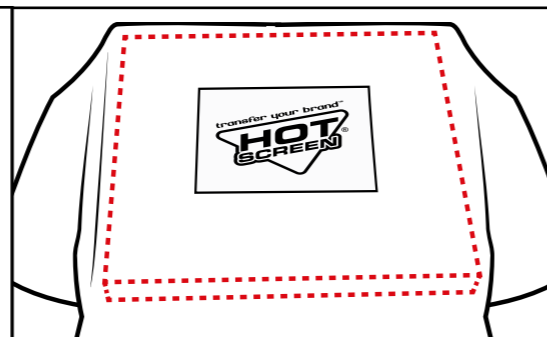
2. PULL OUT THE PLATE

Use the handle to pull out the slide with the bottom plate.



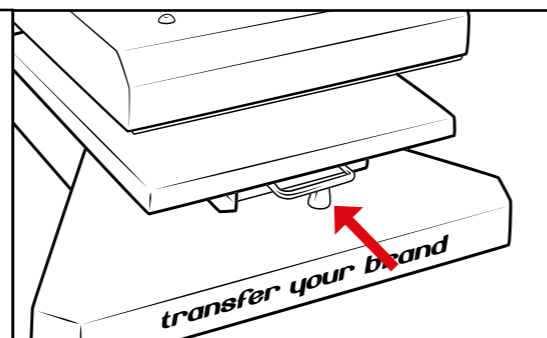
3. PLACE THE GARMENT AND THE HEAT TRANSFER

Thread the garment onto the bottom plate and place the heat transfer in the desired position.



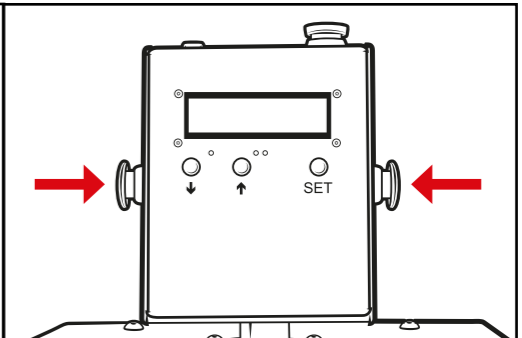
4. SLIDE BACK THE BASE PLATE

Slide the bottom plate to the end position.



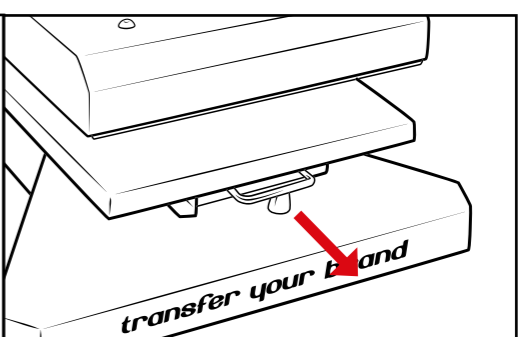
1. ACTIVATE BY DOUBLE COMMAND

Press the buttons on both sides of the heat press to lower heating plate and start the application.



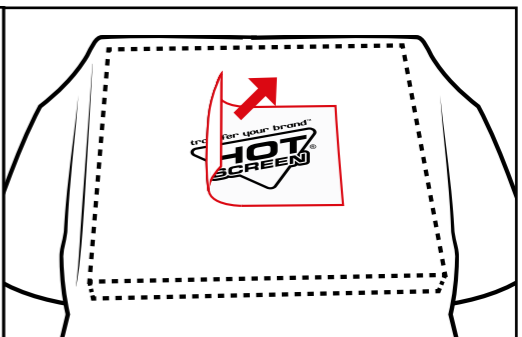
1. PULL OUT THE BOTTOM PLATE

Once the set time has passed, the heating plate is automatically raised. You can now pull out the slide with the bottom plate by pulling the handle.

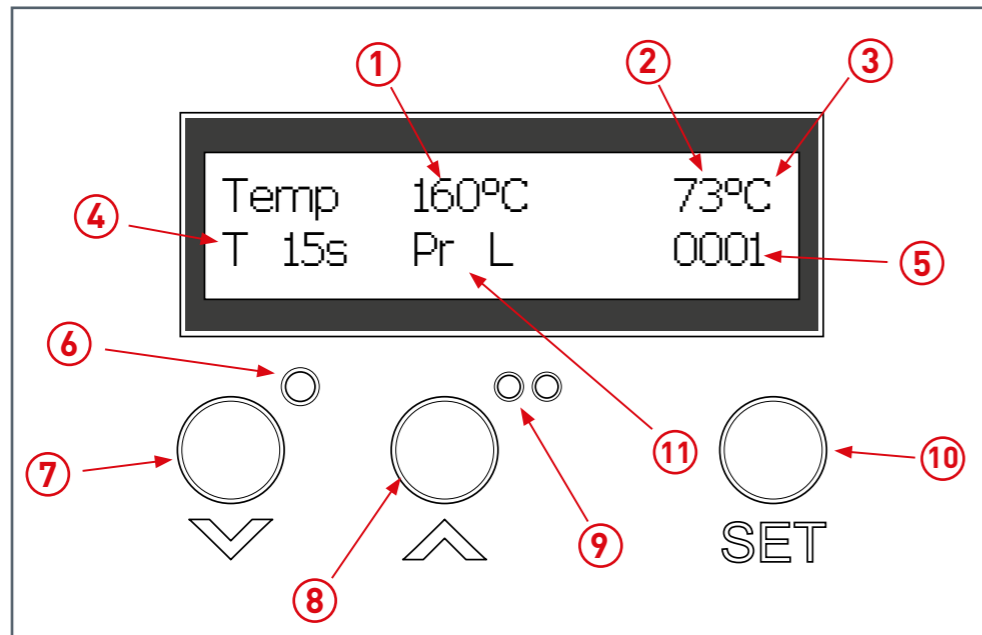


1. REMOVE TRANSFER CARRIER AND GARMENT

Remove the heat transfer carrier from the heat transfer. The garment is now ready.



CONFIGURATION

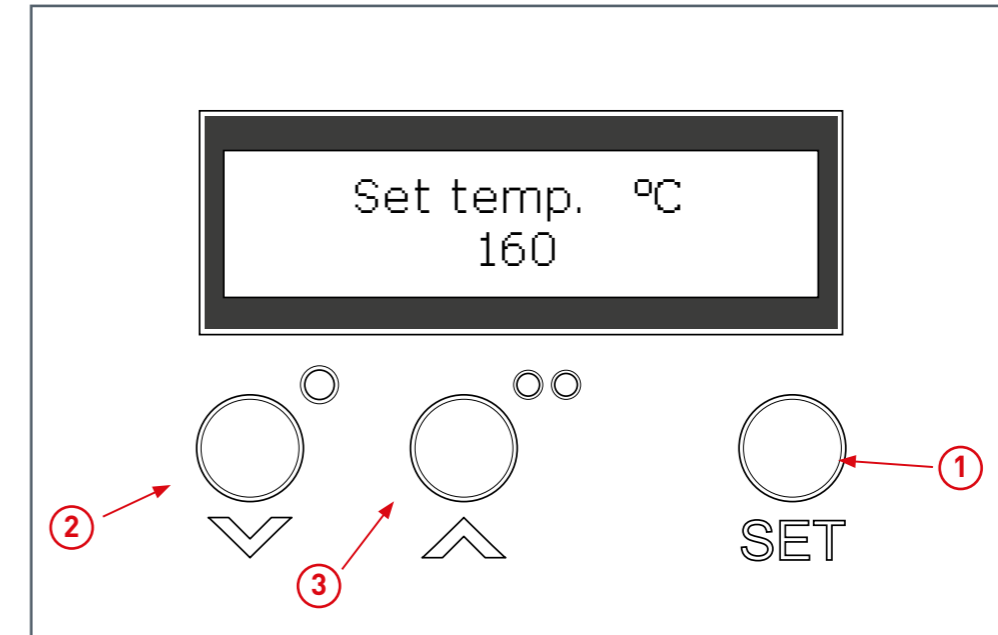


MAIN MENU - WORKING MENU

- | | |
|---|---|
| <p>1 Set temperature
Displays the set temperature.</p> <p>2 Actual temperature
Displays the actual temperature.</p> <p>3 Degrees
Flashes to show that the electronics are active</p> <p>4 Time
Shows the set time</p> <p>5 Counter
Shows the number of completed cycles/heatings</p> | <p>6 Heat indicator
Shows when the heating plate is active</p> <p>7 Down arrow
Reduces the temperature or time (depending on the selected menu)</p> <p>8 Up arrow
Increases the temperature or time (depending on the selected menu)</p> <p>9 Cycle indicator
Shows if a cycle/heating is in progress</p> <p>10 Set button
Push to scroll the menus</p> <p>11 Pressure
Shows the set pressure</p> |
|---|---|

In order for the setting you configured to be saved, a full time cycle must elapse.

TEMPERATURE CONFIGURATION MENU

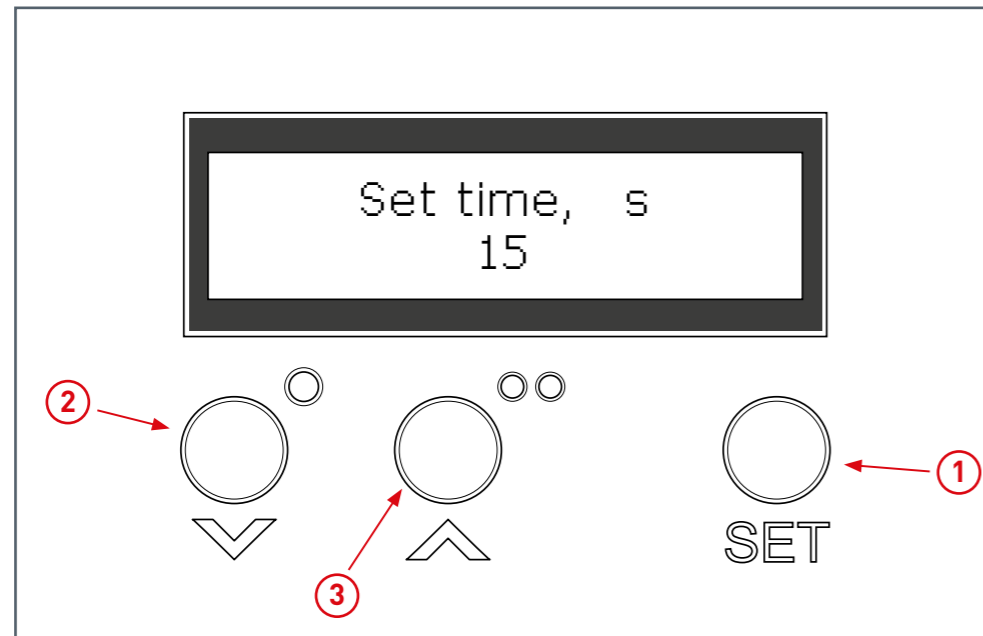


- 1 Temperature configuration menu**
To access this menu, press Set once. If you don't touch any of the buttons, the menu automatically returns to the operations menu.
- 2 Increase temperature**
To increase the temperature, press the up arrow once. By keeping the button pressed, the value increases continuously.
- 3 Decrease temperature**
To decrease the temperature, push the down arrow once. To decrease continuously, hold down the button.

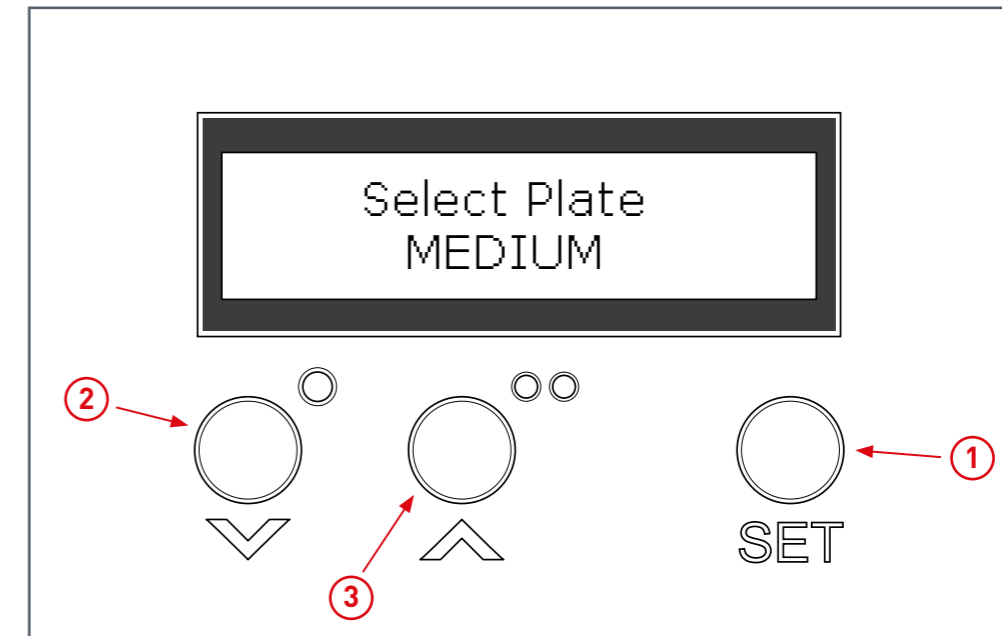
When the menu returns to the operations menu, the set temperature will appear on the display.

In order for the setting you configured to be saved, a full time cycle must elapse.

TIME CONFIGURATION MENU



ADJUSTING THE PRESSURE / SELECTING BOTTOM PLATE



- ① **Time configuration menu**
Pushing the Set button twice opens the setting for how long the heat plate will press against the garment.
- ② **Increase time**
To increase the time, press the up arrow once. By you holding down the button, the value increases continuously.
- ③ **Decrease time**
To decrease the time, press the down arrow once. By holding the button down, the time is decreased continuously.

When the menu returns to the operations menu, the set time will appear on the display.

In order for the setting you configured to be saved, a full time cycle must elapse.

The pressure against the bottom plate (application pressure) on Hot 1000 e is adjusted by selecting the size of the bottom plate. See the below table for the actual values in kg/cm².

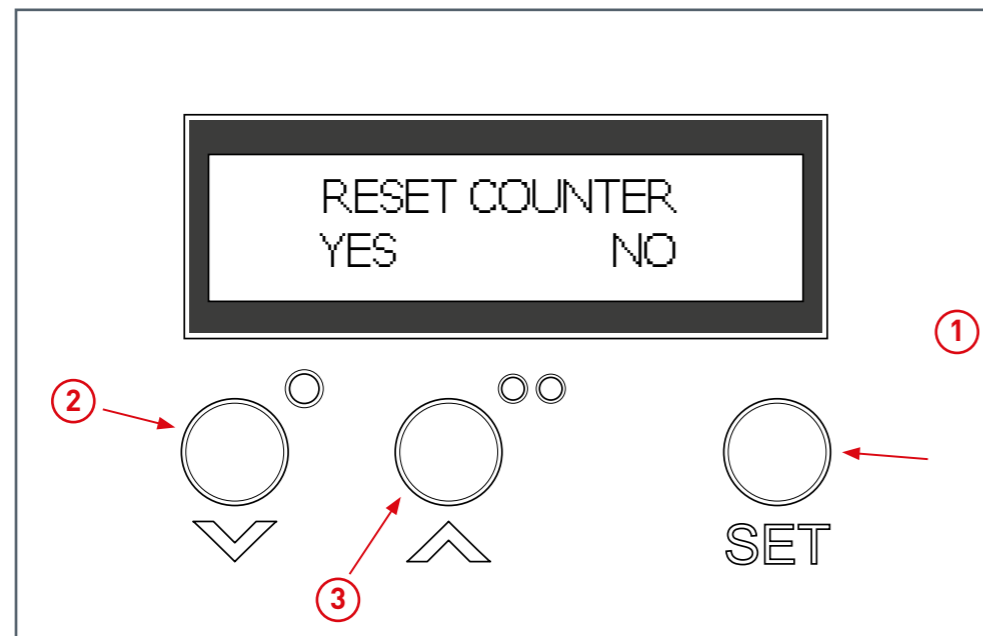
- ① Pressing the set button three times opens the menu for configuring the pressure by selecting the size of the bottom plate. You can choose between SMALL, MEDIUM, LARGE depending on which plate you are using.
- ② + ③ Choose one of the three different bottom plate sizes by pressing the up arrow (3) or down arrow (2). Once you have selected the desired plate, wait two seconds for the menu to return to the main menu and the selected plate to be saved to the settings.

ACTUAL PLATE PRESSURE

Size	Area cm ²	Pressure kg/cm ²
Large plate 38x38cm	1444	0.35
Medium plate 38 x 15cm (Accessories)	570	0.30
Small plate 15x15cm	225	0.64

In order for the setting you configured to be saved, a full time cycle must elapse.

COUNTER RESET MENU



- ① **Resetting menu**
Pushing the Set button three times opens the menu for resetting the counter. The menu does **not** return automatically.
- ② By pressing the down arrow, you answer "No" which means that the counter does not reset and the menu now returns the operations mode.
- ③ If you press "Yes" using the up arrow, you reset the counter and the menu returns to the operating position and the counter shows "0000".

When the menu returns the operations menu, the reset counter will appear on the display.

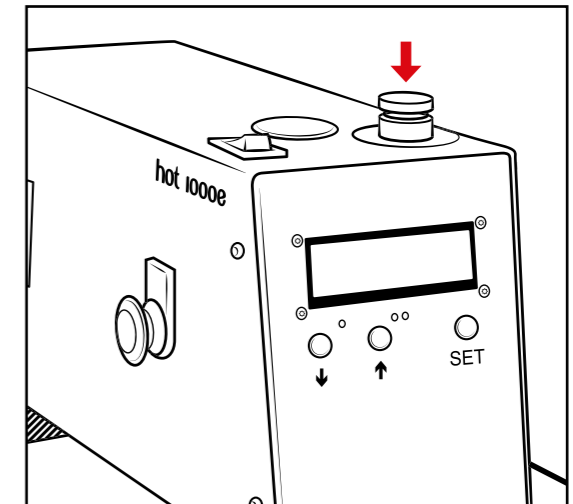
SAFETY FEATURES

EMERGENCY STOP

The emergency stop is easily accessible on top of the heat press. The emergency stop breaks all electrical circuits and releases the heating iron.

Resetting an active emergency stop Before resetting, you must make sure that the cause of the error has been resolved.

The emergency stop is reset by restarting the machine using the main switch.



SAFETY WATCH "WATCHDOG"

The machine's electronics are equipped with a watchdog feature that ensures the software and hardware operates correctly. In case of errors, the electronics are shut down.

Resetting the heat press when the watchdog is activated The watchdog is reset by turning off the machine using the main switch and waiting for 10 seconds before restarting it.

If the error persists, all functions will reset and an ITEK AB service technician should be contacted.

INTERNAL FUSE

The machine has an internal fuse that trips in the event of a short circuit or overload and may cause the machine to stop working. Contact a technician to resolve this issue.

TROUBLESHOOTING - HOT 2000

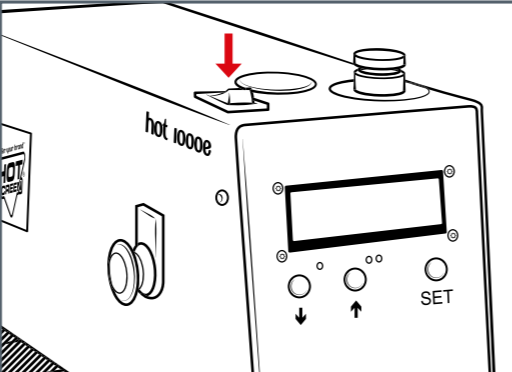
GENERAL TROUBLESHOOTING - MACHINE DOES NOT START

Do the following if your Hot 2000 does not start.

1

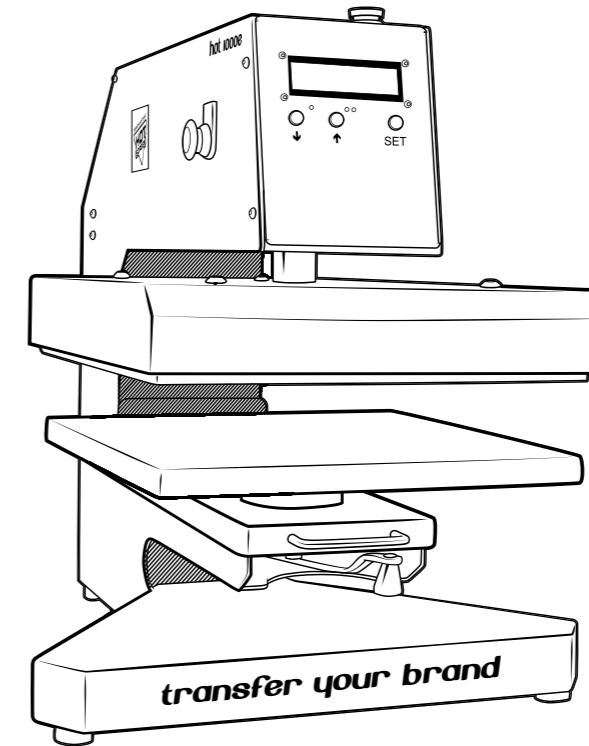
Check that the switch on the Hot 1000e heat press is in the "1" position.

If the display is not lit when the switch is in the "1" position, check that socket is powered.



**IF THE PROBLEM PERSISTS, CONTACT OUR HEAT PRESS SERVICE
OR CUSTOMER SERVICE.**

SPECIFICATIONS HOT 1000 e



SPECIFICATIONS

Weight:79kg	Noise level: < 70 dBa 1m
Height:640mm	Min. heating time: 1 sec
Width: 520mm	Max. heating time:60 sec
Depth: 710mm /1120mm in extended position	Max. temperature: +200°C
Power:2200W	Heat plate width:..... 380mm
Voltage:210-240 VAC 50-60hz	Large bottom plate:..... 380 x 380mm
Main fuse:10A slow fuse with earthing	Small bottom plate:.....150 x 150mm
Pressure: 0.35 - 0.64kg/cm2	

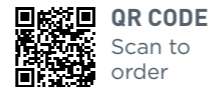
ACCESSORIES - FOR HOT 1000E

Trolley

Perfect for unloading surfaces when applying heat transfers. The trolley is fitted with castor wheels for maximum mobility.

Specifications

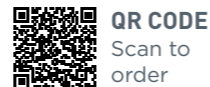
Width: 120cm
Length: 60cm
Height: 89. cm
Max load: 80kg



Teflon sheet Ducts

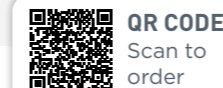
The teflon sheet is used to protect sensitive materials when applying heat transfers. The teflon sheet is specifically designed for our latest version of Hot 2000 with ducts that can be attached on top of the heating iron.

Dimensions: 40 x 45 cm.



Rubber for bottom plate

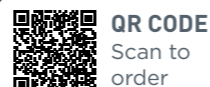
Replacement for the existing rubber on your bottom plate. The rubber can also be cut to size and used on the inside of garments etc. to prevent contact with seams and zips during application.



Cooler plate

Used for cold peeling the heat transfer before removing the plastic carrier. The cooling plate has a teflon layer to minimise friction when cooling heat transfers.

Dimensions: 15 x 15cm.



ACCESSORIES - FABRIC COVER

Textile Cover XS

The textile cover is used on the bottom plate and ensures that the garment slides more easily on the surface. The cover also prevents glue from sticking to the surface during application. Fits both Hot 1000e & Hot 4000. Dimensions: 10 x 15cm.



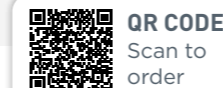
Textile cover Small

The textile cover is used on the bottom plate and ensures that the garment slides more easily on the surface. The cover also prevents glue from sticking to the surface during application. Fits both Hot 1000e & Hot 4000. Dimensions: 15 x 15cm.



Textile cover Medium

The textile cover is used on the bottom plate and ensures that the garment slides more easily on the surface. The cover also prevents glue from sticking to the surface during application. Fits both Hot 1000e & Hot 4000. Dimensions: 38 x 15cm.



Textile cover Large

The textile cover is used on the bottom plate and ensures that the garment slides more easily on the surface. The cover also prevents glue from sticking to the surface during application. Fits both Hot 1000e & Hot 4000. Dimensions: 38 x 38cm.



ACCESSORIES - BOTTOM PLATE

Bottom plate XS incl. textile cover

Replaceable bottom plate that fits all Hot 2000 models, supplied with a detachable textile cover.
Dimensions: 10 x 15cm

Note: Bottom plates are ordered individually.



Bottom plate Small incl. textile cover

Replaceable bottom plate that fits all Hot 2000 models, supplied with a detachable textile cover.
Dimensions: 15 x 15cm

Note: Bottom plates are ordered individually.



Bottom plate Medium incl. textile cover

Replaceable bottom plate that fits all Hot 2000 models, supplied with a detachable textile cover.
Dimensions: 38 x 15cm

Note: Bottom plates are ordered individually.



Bottom plate Large incl. textile cover

Replaceable bottom plate that fits all Hot 2000 models, supplied with a detachable textile cover.
Dimensions: 38 x 38cm

Note: Bottom plates are ordered individually.



DELIVERY

HOT 2000 is supplied with the following:

- 1 x bottom plate 380 x 380mm incl. textile cover
- 1 x bottom plate 150 x 150mm incl. textile cover
- 1 x user manual with EC declaration of conformity for the machine in accordance with the Machinery Directive 2006/42/EC AFS 2008.3
- 1 x signed certificate of approved function check

WARRANTY

1 year warranty on all components, starting from the delivery date. Shipping, allowances, and travel costs are charged for warranty repairs.

MANUFACTURER, PRODUCER

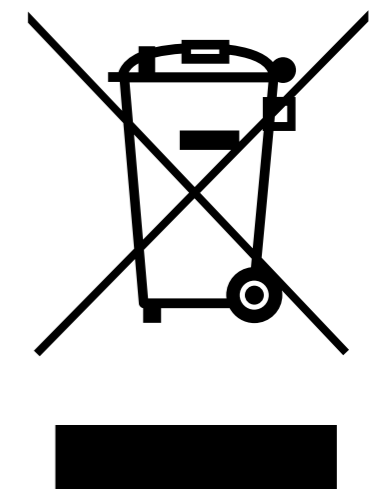
HOT SCREEN AB
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439 74 Fjärås
Sweden
Tel: 0300-56 89 90
Fax: 0300-779 95
E-mail: info@hotscreen.se

<http://www.hotscreen.se>

RECYCLING

The symbol with a crossed-out dustbin means that the product must not be disposed of as normal household waste. Electronic waste products may contain materials and substances that are hazardous to the environment, and if not handled correctly may harm the environment and people. Contact your local waste management centre for more information on how and where to dispose of your electronic waste.

Hot Screen AB in Fjärås, which is responsible for any statutory recycling, will accept the used heat press if there is no local solution.





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hotscreen.se