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OPERATING MANUAL

for the heat press

Secabo TM5

Congratulations on the purchase of your Secabo heat press!

Please read this operating manual carefully to ensure a smooth production launch with your new device.

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Version 1.1 (29.07.2018)

Brief overview

Secabo TM5 Heat Press

The new TM5 mug press by Secabo is ideal for comfortably performing sublimation transfers on ceramic mugs and other similar objects. The Secabo TM5 heat press is suitable for novice and professional users, and equipped with a digital controller that allows for fast and safe operation. Pressure can easily be adjusted via a hand wheel. Optionally, there are 4 different heating elements available, including conical variants.

- digital controller for temperature, time and counter for keeping track of pressing operations
- varying heating sleeves available
- easily adjustable contact pressure
- suitable for sublimation on mugs

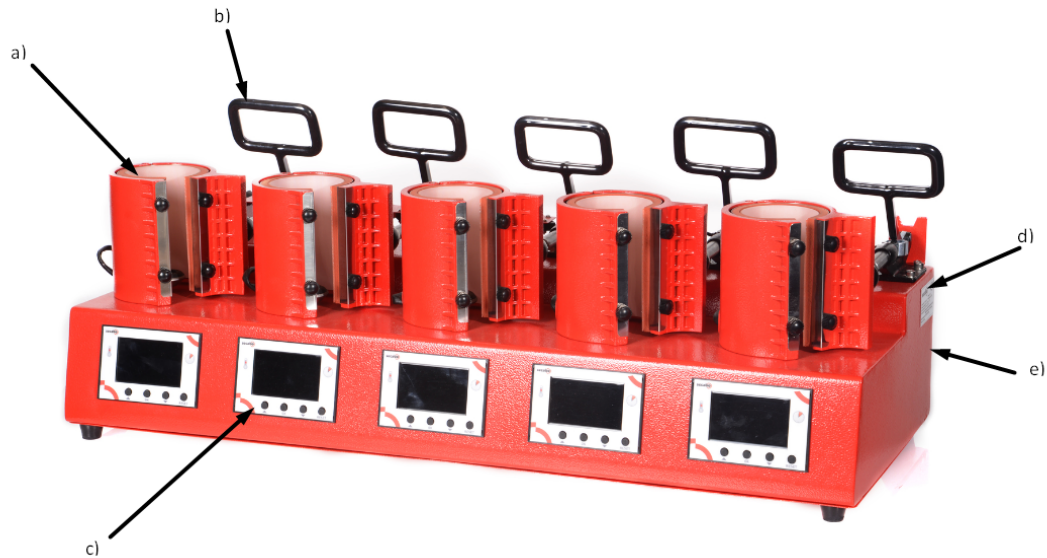
Safety Precautions

Please read the information and safety precautions carefully prior to first commissioning of the device!

- Never reach inside the heat press with your hands when it is connected to the power supply, especially if it is switched on and heated up – danger of burns!
- Never open the casing and do not make any modifications to the unit yourself.
- Should it be necessary to open the heat plate cover upon explicit request by Secabo's customer service team, it is recommended you wear respiratory protection and only touch the insulation wool located therein using gloves. Possible disposal of the insulation wool should only be done inside a closed bag.
- Ensure that neither liquids nor metal objects reach the inside of the heat press.
- Make sure you use a grounded wall socket. Keep in mind that a heat press may only be operated using a wall socket equipped with a ground fault circuit interrupter.
- Disconnect the heat press from the power supply when it's not in use.
- Always ensure that the heat press is out of reach of children during operation and never leave the device unsupervised when switched on.
- Make sure the unit is only used in dry rooms.

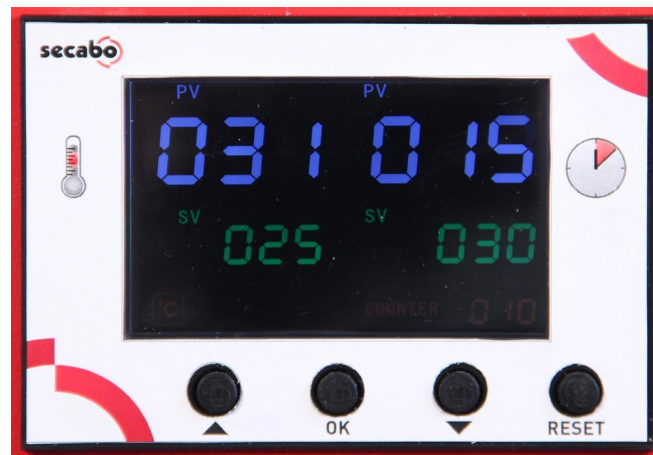
If you cannot comply with one or more of the aforementioned safety rules, or if you are unsure as to whether you're in compliance with all of the points, please contact our technical support.

Machine description



- a. Heating element
- b. Press lever
- c. Digital controller for temperature and time as well as a counter
- d. 5x switches on the back without picture
- e. 5x power connections on the back without picture

Controller



The central controller allows for setting the desired temperature ($^{\circ}\text{C}$ and $^{\circ}\text{F}$), as well as the press duration in seconds. The green digits because represent the target values, while the white numbers reflect the current values. The counter is displayed at the lower right and indicates the number of pressing operations carried out since the last reset.

Operation

- Use the supplied power cord to connect the heat press to a 230V socket.
- The red toggle switch turns the press ON.
- After a short self-test, dashes appear in the display.
- Press the OK button.
- Now you can use the arrow keys to choose between °C and °F. Confirm your selection by clicking "OK".
- Now configure the desired temperature using the arrow keys and also confirm with OK.
- Next, use the arrow keys to set the desired pressing duration in seconds and again confirm with OK.
- You're now ready to perform your first transfers. The clock starts counting as soon as the press is closed with the press lever.
- 3 seconds before the set time elapses, a warning signal sounds, at which time you should open the press again by folding back the press lever.
- You can regulate the contact pressure by turning the black handwheel between the lever and the heating sleeve to the left or right.
- No settings can be changed during the press operation.
- With each completed pressing process, the counter displays increases by one, as soon as the specified time has elapsed.
- The counter can be reset by pressing and holding RESET for approx. 5 seconds.

Heating elements

Heating elements are generally wearing parts and not covered by the warranty

To extend the service life, the following points should be noted:

- When heating up, it is recommended to insert a mug to protect the element, the same advice applies to cooling down.
- It is advisable to turn the mug press off, even if it will not be used for just a short period of time.
- All heating elements must be checked for their function on the day of receipt.

Maintenance and cleaning

All maintenance work must be carried out with the press switched off and cooled off, no exceptions! First, remove the plug from the wall socket. Only perform maintenance work after consultation with our technical support team.

The press should be cleaned regularly using a soft cloth and a mild household cleaner to remove adhesive residues, etc. Do not use scouring sponges, solvents or gasoline!

Recommended times and temperatures

These values should only be considered as guideline values, may vary depending on the material and must be checked before pressing.

Material	temperature	Pressure	Press duration
Flock film	170°C - 185°C	low-medium	25s
Flex film	160°C - 170°C	medium-high	25s
Sublimation flex	180°C - 195°C	medium-high	10s - 35s
Sublimation on mugs	200°C	medium-high	150s - 180s
Sublimation on tiles	200°C	high	120s - 480s (depends on the thickness of the material)
Sublimation on puzzles	200°C	low-medium	25s
Sublimation on mouse pads	200°C	medium	20s - 40s
Sublimation on garments	200°C	medium-high	30s - 50s
Sublimation on metal plates	200°C	high	10s - 50s (depends on the thickness of the material)

Important note: You should perform your own tests with the respective transfer materials and carrier media prior to each production. The aforementioned values, as well as any manufacturer specification merely serve as indications. Washing resistance and behavior during the transfer must be determined by performing your own tests.

No guarantee can be derived from the recommended values. It is always the user's responsibility to determine and apply the correct settings for his specific conditions.

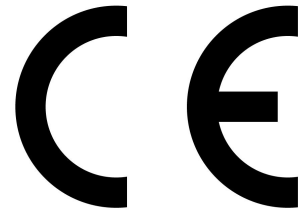
Note on garment finishing processes: After the press operation, garments must cool off before any carrier media can be pulled off the transfer material. The hot glue in the transfer material doesn't develop its adhesive strength until cooled off. If the glue does not stick in its cold state, this may indicate that the pressing procedure was too cold or too short.

Technical data

Heat press	Secabo TM5
Type	Mug press
Max. mug height	12.0cm
mug diameter	7.5cm - 9.5cm
Max. preset time	999s
Max. temperature	225°C
Pressure setting	Handwheel on press lever
Power supply	230V / 50Hz - 60Hz, 5x350W
Environment	+ 5°C - +35°C / 30% - 70% relative humidity
Weight	35kg
Dimensions (W x H x D)	92cm x 36cm x 35cm

Declaration of conformity - Statement of Conformity

We hereby declare under our sole responsibility that the product referred to in "technical data" complies with the provisions of the following directives and standards:



We herewith declare under sole responsibility that the under „technical data“ mentioned product meet the provisions of the following EC Directives and Harmonized Standards:

- EG-Richtlinien / EC Directives:
- 2014/35 / FG Establishment Directive
- 2014/35/EC Low Voltage Directive
- 98/37/EC Directive on machinery (2006/42/EC from 12/29/2009)
- 98/37/EC Directive on machinery (from 2009-12-29: 2006/42/EC)

- Norm / Standard: EN 60204-1:2006

Technische Dokumente bei / Technical documents at:

Secabo GmbH, Hochstatt 6-8, 85283 Wolnzach, Germany

A handwritten signature in black ink, appearing to read 'Fabian Franke'.

Dipl. Ing. Fabian Franke

A handwritten signature in black ink, appearing to read 'Bernhard Schmidt'.

Dipl. Ing.(FH) Bernhard Schmidt