



## **OPERATING INSTRUCTIONS**

### **for heat press Secabo TM1/TM2/TM5**

Congratulations on purchasing a Secabo heat press!

Please read these operating instructions carefully so you can start production with your press without problems. Reproduction of these operating instructions in any form requires the written approval of Secabo GmbH. We reserve all rights to change technical data and product features. Secabo GmbH does not assume any liability for direct or indirect damage resulting from use of this product.



## Overview

### Secabo TM1/TM2/TM5 heat press

With the new Secabo TM1/TM2/TM5 heat press, mugs can be printed on using sublimation or other transfer technologies. The TM1/TM2/TM5 Secabo heat press is for beginners and professional users and suitable to use with their digital controller quickly and safely. The pressure can be easily adjusted by a hand wheel.

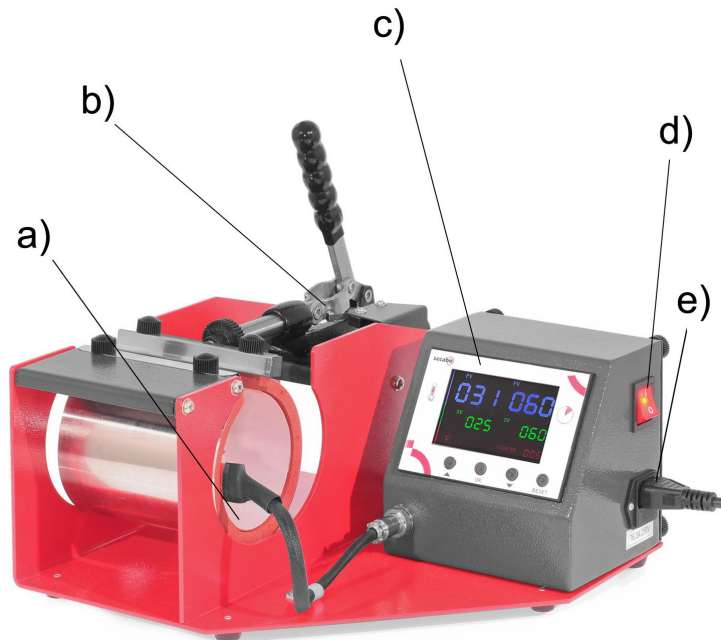
- digital controller for temperature, time and a counter
- available with different heating sleeves
- easy adjustable contact pressure
- convenient for mug sublimation

### Safety precautions

- Please read these instructions and safety precautions carefully before using your press for the first time! press for the first time!
- Never reach into the heat press with your hands when it is connected to the power supply, particularly when it is switched on and heated up – danger of severe burns!
- Never open the housing or attempt to modify the machine yourself.
- Ensure that liquids and metal objects do not get into the inside of the heat press.
- Ensure that the power socket used is grounded. Note that it is only permissible to operate a heat press from a power socket protected by a ground fault protection switch.
- Disconnect machine from power outlet when not in use!
- Never operate the heat press within the reach of children and never leave the machine unsupervised when switched on.
- Ensure that the machine is used only in dry rooms.

**If you cannot observe one or more of the safety precautions above, or if you are not sure whether all points are satisfied, please contact our Technical Support Department.**

## Machine description TM1



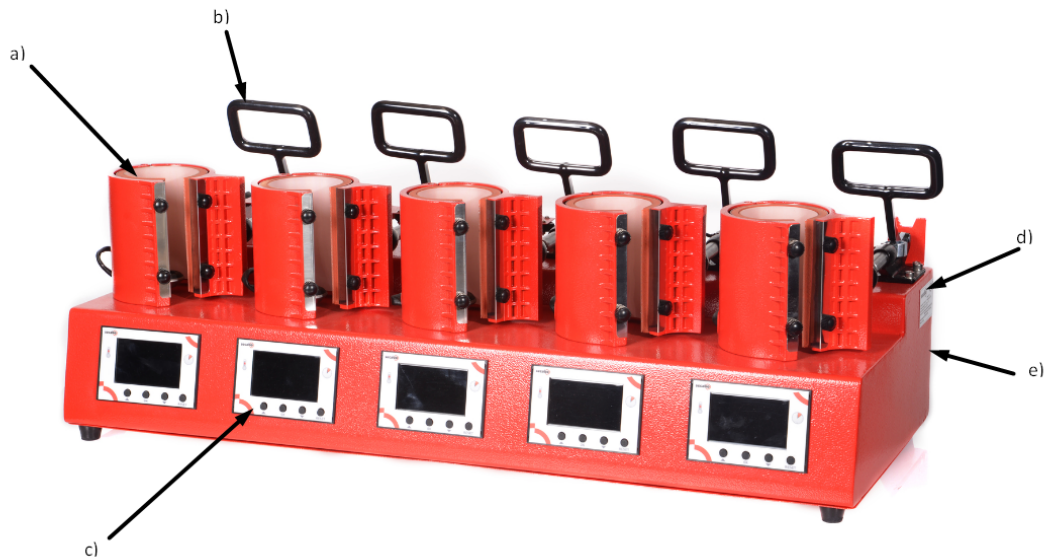
- a. Heating element
- b. Press lever
- c. Digital controller for temperature, time and counter
- d. Switch
- e. Power supply

## Machine description TM2



- a. Heizelement
- b. Presshebel
- c. Digitaler Controller für Temperatur und Zeit sowie Counter
- d. Schalter
- e. Stromanschluss

## Machine description TM5



- a. Heizelement
- b. Presshebel
- c. Digitaler Controller für Temperatur und Zeit sowie Counter
- d. 5x Schalter auf der Rückseite ohne Abbildung
- e. 5x Stromanschluss auf der Rückseite ohne Abbildung

## Controller



With a large digital controller, temperature (°C und °F) and pressing time can be adjusted. The green digits are showing the theoretical value, the white digits are showing the actual value. A counter (at the right bottom) counts the number of transfers that have already been made during the current session. The counter can be reset at any time.

## Operation

- Connect the heat press to a 230V power socket using the connection cable supplied.
- Switch on the press with the red rocker switch.
- After a short self-test lines appear in the display.
- Press the OK button.
- Use “UP” or “DOWN” to set °C or °F and press OK.
- Use “UP” or “DOWN” to set the desired temperature and press OK.
- Use “UP” or “DOWN” to set the desired time and press OK.
- You can now make the first transfers. The timer starts running as soon as the press is closed with the press lever.
- 3 seconds before the end a warning signal sounds. After the set time has expired, open the press by folding back the press lever.
- The contact pressure can be adjusted with a black wheel between the press lever and the heating sleeve.
- The settings cannot be changed during pressing.
- Each time the pressing process is completed, the counter display increments by one after the set time has expired.
- You can reset the counter by pressing RESET for longer than 5 seconds.

**Note:** Please note that a certain time is required before the press cools down after it is switched off. By not using the press, please deactivate it.



**Warning:** The heating elements are wearing parts. They can be used for approx 700 mug transfers. The heating elements may not be heated up without performing transfers. Switch the TM1/TM2/TM5 off, whenever you are not performing transfers.

## Maintenance and cleaning

Maintenance work should always be accomplished with the press switched off and cooled down. The plug must first be disconnected from the power socket. Consult Technical Support before carrying out any maintenance work.

Clean the press regularly with a soft cloth and mild household cleaner to remove adhesive residues etc. Never use scouring sponges, solvents or gasoline!

## Recommended times and temperatures

These values are only guidelines - they can vary from material to material and should always be checked before pressing.

Material	Temperature	Pressure	Time
Flock film	170°C - 185°C	light-medium	25s
Flex film	160°C - 170°C	medium-high	25s
Sublimation flex	180°C - 195°C	medium-high	10s - 35s
Sublimation on ceramic mugs	200°C	medium-high	150s - 180s
Sublimation on tiles	200°C	high	120s - 480s (depending on thickness of material)
Sublimation on jigsaw puzzles	200°C	light-medium	25s
Sublimation mousepads	200°C	medium	20s - 40s
Sublimation on textiles	200°C	medium-high	30s - 50s
Sublimation on metal plates	200°C	high	10s - 50s (depending on thickness of material)



**Important note:** You should carry out your own tests with the transfer material and backing to be used before starting production. The values given above and the manufacturer's own figures are only intended as a guide. You should establish the washability and behaviour during transfer in your own tests.

The recommended values do not imply a guarantee. The user is responsible for determining and using the appropriate setting for his particular conditions.

**Note for textile work:** After pressing, allow textiles to cool down before removing any type of backing from the transfer material. The hot glue in the transfer material develops its adhesive force only in the cold state. If the adhesive does not stick in the cold state, it may have been pressed too cold or for too short a time.

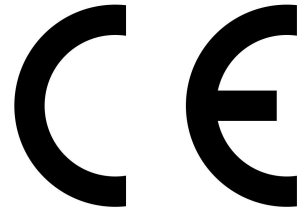
## Technical data

Heat press	Secabo TM1	Secabo TM2	Secabo TM5
Type	Mug press	Mug press	Mug press
Max. height of mug	12,0cm	12,0cm	24,0cm
Mug diameter	7,5cm - 9,5cm	7,5cm - 9,5cm	7,5cm - 9,5cm
Max. time setting	999s	999s	999s
Max. temperature	225°C	225°C	225°C
Pressure setting	Hand wheel at the press lever	Hand wheel at the press lever	Hand wheel at the press lever
Power supply	230V / 50Hz - 60Hz, 350W	230V / 50Hz - 60Hz, 600W	230V / 50Hz - 60Hz, 5x350W
Environment	+ 5°C - +35°C / 30% - 70% humidity	+ 5°C - +35°C / 30% - 70% humidity	+ 5°C - +35°C / 30% - 70% humidity
Weight	5kg	11kg	35kg
Dimensions (W x H x D)	32cm x 21cm x 30cm	59cm x 37cm x 52cm	92cm x 36cm x 35cm



## Konformitätserklärung - Statement of Conformity

Hiermit erklären wir in alleiniger Verantwortung, dass das unter „Technische Daten“ genannte Produkt mit den Bestimmungen der folgenden EG-Richtlinien und Normen übereinstimmt:



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 Niederlassungsrichtlinien
- 2014/35/EC Low Voltage Directive
- 98/37/EG Maschinenrichtlinie (2006/42/EG ab 29.12.2009)
- 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