



## **Instruction manual**

Version 11.01

# **HotMug GIGANT**

## **1. Introduction**

### **1.1 Content**

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## 1.2 Construction of the oven

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- |                      |                             |
|----------------------|-----------------------------|
| 1. Grip              | 5. Ventilator               |
| 2. Oven              | 6. Top with the electronics |
| 3. Electronics       | 7. Main fuse                |
| 4. Time start-button | 8. Main switch              |

## 1.3 Technical data

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Dimensions of the oven . . . . . 50 x 59 x 72 cm  
 Weight . . . . . 35 kg  
 Operation voltage . . . . . 230VAC  
 Performance . . . . . 2400 W  
 main fuse . . . . . 12A  
 Temperature range . . . . . 0 – 200°C  
 Time settings. . . . . 1sek – 99:59 Min

## 1.4 Safety arrangements of the oven

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The oven is equipped with different safety arrangements, to make a safe usage possible.

### Main fuse 12A

The main fuse 12A is placed next to the main switch of the oven. In case of overcharge, the main fuse prevents the oven from getting damaged. Once the fuse was activated, it has to be replaced. The instruction for replacing the main fuse can be found in chapter 4.1.

### Acoustic signal

3 Seconds before the end of the pressing process an acoustic signal will sound.

## 1.5 Safety precautions at the workplace

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### Testing of the oven

After a correct installation of the oven it is important to ensure that the oven works properly, isn't damaged and has no safety defects. The testing can only be done by the employer or other authorized persons and is mandatory to guarantee correct installation and safe usage of the oven.

If any irregularities regarding functionality or safety are found during the testing, these have to be noted and reported to Walter Schulze GmbH in written form within 7 days. Until clarification the press can not be used.

### Information and Education

According to § 81 industrial relations law and § 14 employment protection law the employer has to make arrangements to give all information about the function and the range of application to the user.

In particular the user needs to be acquainted with the complete manual and be explicitly informed of the dangers of working with the oven. The details have to be explained in a coherent form and language.

### Safety distance and ventilation

The oven has to be installed at a place which gives enough space on both sides to put the cup in.

The space in front of the oven has to be wide enough to let nothing disturb the user at work.

Using the oven with certain materials may create a strong smell. That's why the user should evaluate the need for a ventilation system at the workplace.

### Safety instruction:

- The oven should only be used by trained personal after notice of this manual.
- Only one person is allowed to work on the oven at a time.
- The surface of the table must be heat resistant.
- Beware of the oven – risk of burns.
- The plug has to be pulled out of the power outlet while maintenance.
- **Caution:** please do not connect this press to any other outlet (socket) than those equipped with *ground-fault protection* ELCB (earth leakage circuit breaker).

## 2. Preparation activities

### 2.1 Remarks regarding transportation

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The HotMug GIGANT is covered with a cardboard for transport. Right after the receiving you should check if the cardboard and the oven are in good condition. Later on, if you have to send the oven somewhere, we ask you to cover the oven with the same cardboard and in the same way. The oven has to be cold.

### 2.2 Installation of the oven

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The oven is delivered in a cardboard. After unpacking and connecting oven can be worked with. The HotMug GIGANT doesn't need any other installations.

### 2.3 Power supply

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The HotMug GIGANT has to be connected to a voltage of 230VAC/ 50Hz. The oven is equipped with a plug. Make sure that the power outlet is in the right condition and that the grounding is connected to the power outlet.

**Caution:** please do not connect this press to any other outlet (socket) than those equipped with *ground-fault protection* ELCB (earth leakage circuit breaker).

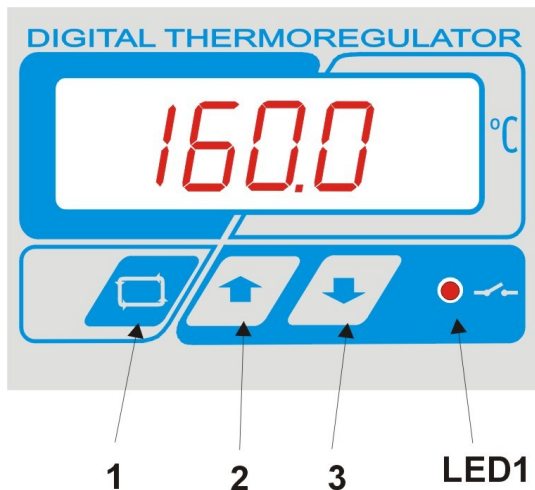
### 2.4 Installation of the oven

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While powering up the oven, the door of the oven has to be close. The oven also has to be close while heating up. The oven can be turned on with the green switch. If the green switch glows the oven up to the adjusted temperature. After finishing the work with the oven the switch has to be turned off and the plug has to be pulled out.

### 3. Working with the oven

#### 3.1 Programming of electronic devices



After switching on the press, the current temperature is indicated on the display and the press heats up.

To change the settings, you must:

1. The programming mode shows up when you press **Button 1** for about 5 seconds, until the LED1 blinks up.
2. LED1 blinks and the programmed temperature shows up. The programming mode is activated.
3. The temperature gets programmed with button **2** and **3**.
4. Press **Button 1** shortly.  
On the display you now can see the programmed time. You can adjust the time by pushing Button **2** and **3**.
5. Press **Button 1** shortly to save the changes and leave the programming mode.  
All settings are saved.

or:

5. To get to the ECO programming, press **Button 1** for 3 seconds.
6. With **Button 2** and **3** you can switch between the ECO modes:  
„Eco 0” - ECO Mode turned off,  
„Eco 1” - ECO Mode turned on.
7. To leave the programming mode press **Button 1** shortly.  
All settings are saved.

##### Control of adjusted temperature

If you want to control which temperature is adjusted at the moment, press button 2. The temperature shows up on the display.

##### Control of adjusted time

If you want to control which time is adjusted at the moment, press button 3. The time shows up on the display.

#### 3.2 Application range and sample adjustments of the oven

This oven is used to apply transfers on cups and mugs. Here are some settings:  
Sample setting, sublimation and laser transfers on cups

- Temperature 180°C - 200°C
- Time 15 - 17 minutes,  
If you print less than 20 cups, you can shorten the time to 12 minutes.

### 3.3 Printing on the caps

Print your photo on the sublimation paper. Then attach the paper with the motif with a heat resistant tape on the cup. Insert the HotMug - SIMPLE on the cup.

#### HotMug-SIMPLE



1. The Hot Mug - SIMPLE on the cups attach - Photo 1
2. The Hot Mug - SIMPLE clamp slightly so that it creates an even pressure - Photo 2
3. Close the Hot Mug - SIMPLE. Check the even pressure of the cuff - Photo 3



We recommend the HotMug - HOLDER  
for simple and rapid preparation



You can also put up to 20 cups in the oven. Put the prepared cups in the basket. The oven must be preheated. Then push the basket with the cups in the oven and close him. Press the time-start button. The time is running. If the time is over, open the door and take the basket from the oven. **Caution hot. Burns!**

#### HotMug MAX

For printing with laser printer, you must use the Hot Mug Max

## 4. Maintenance

### 4.1 Replacing the main fuse

If the oven does not work after switching on, check the main fuse of the oven. The main fuse 6A is placed in the upper part of the press (**photo 1**). To exchange the fuse, **switch off the heat press first and pull the plug**. There are additional fuses in the manual. Then remove the fuse bracket (**photo 1 and 2**). Replace the fuse (**photo 3**) and tighten the fuse bracket again (**photo 1**).



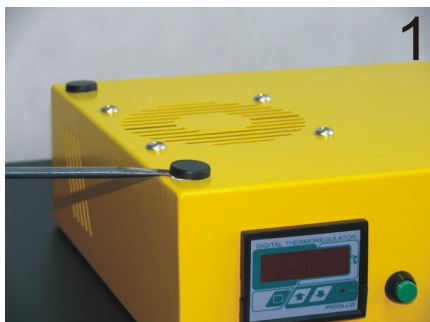
### 4.2 Replacing electronic devices

Inside the upper part of the press there are electronic devices, which control the temperature and time of the press.

**To replace the electronic devices, turn off the press and pull the plug.**

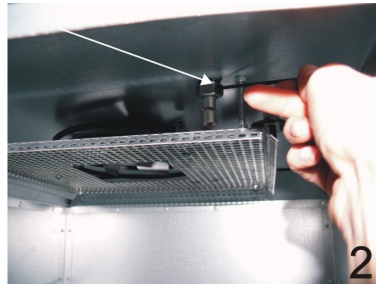
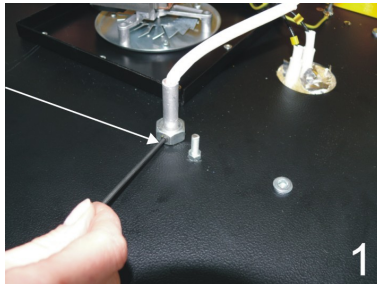
Screw the cap off (**photo 1-5**). Disconnect the green switch (**photo 6**) and take out the electronic devices.

Put in the new electronic devices, connect them with the green plug and reattach it to the upper part of the oven. Last reassemble the oven again.



### 4.3 Replacing the temperature sensor

In the oven is a temperature sensor. Located in the upper part of the oven. The replacement must be done by an authorized person. To replace the temperature sensor, **turn off the oven and pull the plug**. The oven must be cold. Screw the cap off, as in chapter 4.2 (Photo 1 – 3). Remove the two screws (Photo 1-2). Then take out the temperature sensor (Photo 3). Loosen the direction of the temperature sensor in the green plug (Photo 4). Attach the new temperature sensor in the oven and connect it to the electronics. **Attention!!! Watch the polarity, blue and red to blue to red.** Then screw the cover back on



## 4.4 Troubleshooting

Problem	Cause	Debugging
Green switch blink, but: display doesn't glow oven doesn't heat	main fuse 10 A is defect	Exchange main fuse 10 A
	If main fuse is okay, than check	Exchange electronic devices
oven doesn't heat up to adjusted temperature even if the red diode glows after switching on, temperature rises but falls after short time	thermal fuse on heatplate is defect	Exchange thermal fuse
the display just shows 4 dashes no temperature or time information	temperature sensor defect or cable broken	check cable to temperature sensor
		or exchange temperature sensor
no acoustic signal after end of pressing	beeper is defect	Exchange electronic devices
temperature rises more, than it should even the red diode doesn't glow <b>Example:</b> temperature 180°C was regulated temperature rises to 180°C – the red diode glows up After reaching - the diode doesn't glow Temperature rises more than 220°C, than it is sinking to circa 90°C and rises again to 220°C		
	solid state relay CRYDOM is defect	exchange solid state relays CRYDOM
Button doesn't work no settings possible in temperature and time	setting buttons are defect	exchange setting buttons
real temperature doesn't match with temperature Shown on the display – temperature too high/low	breakdown of electronic devices	exchange setting buttons

[illegible]

S10 Hauptschalter/ Włącznik główny  
S1 time start..... (biały / weiss )  
Temperatursensor (-) ..... (niebieski / blau)  
Temperatursensor (+) ..... (czerwony / rot)  
F1 Bezpiecznik/Sicherung 12A  
1-2 Zasilanie elektronicz/Elektronik  
3-4 Zasilanie wentylatora termoobieg/Ventilator  
5-6 Zasilanie grzałki/Heizelement  
7-8 Wentylator wolnoobiegowy/Ventilator  
9-10 Kontrolka bezpiecznika temperatury/Thermosicherung

## 4.6 Testing Report

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Final check of the over:

- |   |   |
|---|---|
| ○ - base, paint                                     | ○ - electronic, check of all functions    |
| ○ - electronic connection, safety wire, power cable | ○ - working time at 200°C . . . . . hours |
| ○ - electronic, max. temperature 220°C              | ○ - test with a cups                      |
|   | ○ - caution labels                        |

Serial number . . . . . Date . . . . . Signature . . . . .

## 4.7 EC-Conformance-Declaration after EC- guideline for machines 2006/46 EC

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The Walter Schulze GmbH  
Schmalenbachstraße 15  
12057 Berlin

as European representative of the manufacturer company ROMANIK hereby declares that the following machine:

Heat press . . . . . Serial number . . . . .

is compliant with the specifications of the following EC directives:

Machinery ( 2006/46)  
Low Voltage (2006/95)  
EMC (2004/108)

used norms and technical specifications:

EN 292-1 EN 292-2 safety of machines  
EN 60204-1 electrical equipment of machines

Berlin , . . . . .

\_\_\_\_\_  
Peter Meidinger  
President

**All SCHULZE heat presses are exempt from the waste disposal law under reg. no. DE 231060054.**

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