



Instruction manual

Version 13.01



Vizuell_{AS}

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1. Introduction

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1. Electronic device
2. Electronic display
3. Pressure lever
4. Movable part
5. Heating band
6. Attaching the heating elements

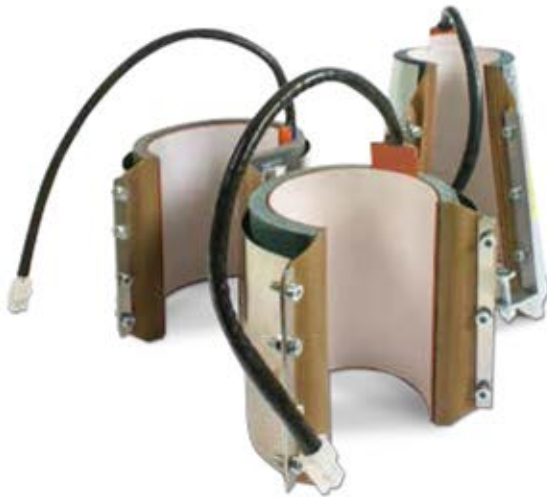
7. LED
8. Pressure adjustment screw
9. Main switch
10. Main fuse
11. Power cable with plug

1.3 Technical Data

Press dimension: 69 x 34 35 cm
 Weight: 27 kg
 Operating voltage: 230VAC
 Rated power: 1300 W
 Fuse: 10A
 Max. temperature: 220°C
 Temperature range: 0 – 220°C
 Time settings: 1 Sek – 9 Min 59 Sek
 Heating band: 105 x 230 mm
 Max. pressure area: 85 x 180 mm
 Mug diameter: 62 - 100 mm

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1.4 Replacing the heating element



There are a variety of heating elements for this press. The instruction manual for switching out the heating elements is found in section 3.7.

1. Heating elements for mugs, diameter 62, 72, 80 mm
2. Heating elements for beer mugs, diameter 95 and 100 mm
3. Heating elements for tapered mugs, diameter 100 mm for LATTE-12

1.5 Safety methods of the heat press

The RED MUG 4 press is equipped with different safety methods to ensure safe use.

Main fuse 10 A

The 10 A fuse is located on the back side of the press. The fuse protects the press from damages and in case of a short circuit. If the fuse is activated, it must be replaced. The instruction manual for the replacement is described in section 4.2.

Acoustic signal

An acoustic signal will sound 3 seconds before the end of the pressing process.

1.6 Safety arrangements at the workplace

Testing the heat press

After the correct installation of the press it is important to ensure that the press 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 use of the press.

If any irregularities regarding functionality or safety are found during the testing, these must be noted and reported to Walter Schulze GmbH, in written form, within 7 days.

Until clarification the press cannot be used.

Information and Education

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

In particular the user must be acquainted with the complete manual and be explicitly informed of the dangers of working with the press.

The details must be explained in a coherent form and language.

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Safety distance and ventilation

A big advantage is the small size of the press, therefore not taking up much space. The press must be installed in a place which is wide enough so that the user of the press can work undisturbed. Using the press with certain materials may create a strong smell. That is why it is important to evaluate whether a ventilation system is required in the workplace.

2. Initiation

2.1 Tips for transport

The RED MUG 4 mug press is packed in a cardboard box for transport. Right after receiving it you should check if the cardboard and the press are in good condition. If you need to send the press somewhere else in the future, we ask you to cover the press with the same cardboard box and in the same way. The press must be cold.

2.2 Installation of the heat press

The press is delivered in a cardboard box. After unpacking and connecting, you can work with the press. It doesn't require any additional installation or attachments.

2.3 Power supply

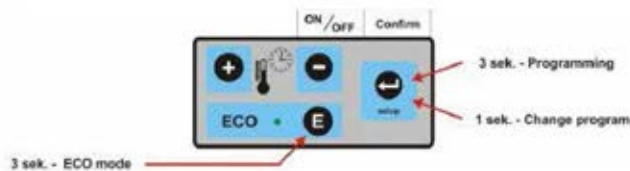
The RED MUG 4 press must be connected to a voltage of 230VAC / 50Hz. The press is equipped with a plug. Make sure that the power outlet is in the right condition and that the grounding is connected to the power outlet. Caution: please do not connect this press to any other outlet (socket) other than those equipped with ground-fault protection ELCB (earth leakage circuit breaker).

2.4 Initiation of the heat press

While powering up the press, the movable part must be in the upper position, which means that the press must be open. The press also must be open while heating up. The press can be turned on with the green switch. If the green switch glows the press heats up to the adjusted temperature. After finishing working with the press the switch must be turned off and the plug must be pulled out.

3. Working with the heat press

3.1 Programming electronic devices



After switching on the press, the main display will show the temperature of the heating element. The heating element is adjusted using the button „-“. The temperature of the heating element will blink on the display.

Programming

1. Setup 3 sec.
2. Select position from 1 to 4 +/-
3. Setup 1 sec.
4. Temperature setting +/-
5. Setup 1 sec.
6. Time setting +/-
7. Setup 1 sec.
8. Press to get Menu
9. Setup 1 sec. - End or
10. Setup 3 sec. return to more settings



To change the settings you must:

SEPARATELY:

1. The programming mode is displayed by pressing and holding the **SETUP** button for 3 seconds. The current temperature and time of individual heating elements are shown on the display.
2. With the buttons „-“ or „+“ you can set **the position**.
3. Briefly press the **SETUP** button.
4. With the buttons „-“ or „+“ you can adjust **the desired temperature**.
5. Briefly press the **SETUP** button. The display shows the set time.
6. With the buttons „-“ or „+“ you can adjust **the desired time**. Briefly press the **SETUP** button.
7. Press the „-“ button for menu positions. Press the **SETUP** button for about **3 seconds** to enter the menu. All settings have been saved.



Or:

8. Press the „-“ button for menu positions. Press the **SETUP** button for about **1 second** to return to the main display. All the settings have been saved.

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TOGETHER:

9. The programming mode is displayed by pressing and holding the **SETUP** button for 3 seconds. The current temperature and time of each heating element is shown on the display. The programming mode is activated.
10. With the button „+“ you can set the position.
11. Briefly press the **SETUP** button. With the buttons „-“ or „+“ you can adjust **the desired temperature**.
12. Briefly press the **SETUP** button. With the buttons „-“ or „+“ you can adjust **the desired time**. Briefly press the **SETUP** button.
13. Press the „-“ button for menu positions. Press the **SETUP** button for about 3 seconds to enter the menu.



Or:

14. Press the „-“ button for menu positions.
Press the **SETUP** button for about 1 second
to return to the main display.
All the settings have been saved.

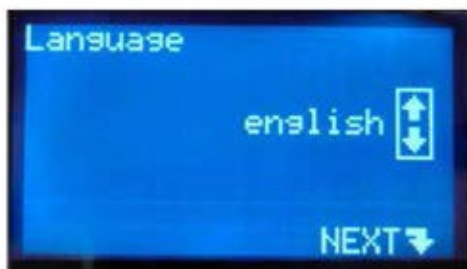
Or:

15. Set the mode by pressing the „ECO“ button for about 3 seconds:

- „Eco 0“ - The ECO mode has been turned off
- „Eco 1“ - The ECO mode has been turned on, after **30 minutes** the temperature of the heating element decreases to 50°C, then after 60 minutes the heater turns off.
- „Eco 2“ - The ECO mode has been turned on, after **60 minutes** the temperature of the heating element decreases to 50°C, then after 60 minutes the heater turns off.
- „Eco 3“ - The ECO mode has been turned on, after **120 minutes** the temperature of the heating element decreases to 50°C, then after 60 minutes the heater turns off.



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The display shows: **Language**.

1. With the buttons "+" and "-" you can change the language (German, Polish, English, Russian or French).
2. Briefly press the **SETUP** button.



The display shows: **Contrast**.

3. With the buttons "+" and "-" you can adjust the contrast of the display.
4. Briefly press the **SETUP** button.



The display shows: **Counter**.

5. With the buttons "+" and "-" you can switch the counter on/off.
6. After switching on the counter it counts the number of pressing operations.
7. To exit the programming of the electronic device, briefly press the **SETUP** button. Programming is now finished.



The display shows: **Sound**.

8. With the buttons "+" and "-" you can switch the sound of the press on/off.
9. Briefly press the **SETUP** button.



The display shows: **Power save**.

10. With the buttons "+" and "-" you can switch the energy-saving-mode on/off.
11. Briefly press the **SETUP** button.



The display shows: **Temperature correct.**

- Here you can correct the temperature of the heating elements with respect to the original setting at -25°C to +25°C.
12. With the buttons "-" or "+" you can set **the position**.
 13. Briefly press the **SETUP** button.
 14. With the buttons "+" and "-" you can set **the temperature**. Briefly press the **SETUP** button.
 15. With the buttons "-" you can go to position **NEXT**. Briefly press the **SETUP** button.

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The display shows: **Temperature settings.**

16. With the buttons "+" and "-" you can set the temperature settings: **separately or together.**
17. Briefly press the **SETUP** button.



The display shows: **Counter.**

Here you can see the number of all **pressing operations.**

18. Briefly press the **SETUP** button.



The display shows: **Labor time.**

Here you can see the number of hours the press has worked.

19. To exit the programming of the electronic device, briefly press the **SETUP** button. Programming is now finished.



The display shows: **Damage.**

Here you can check the power supply:

- Relay
- Temperature sensor
- Temperature fuse

20. To end the programming mode, briefly press the **SETUP** button.

3.2 Fixing bugs on electronic devices

The electronic device monitors the most important functions of the press.

Here is a list of possible messages:

- ERR.1 – No connection of the electronic devices to the temperature sensor
(Temperature sensor defect / cable not connected)
- ERR.2 – Connection of electronic devices and temperature sensor bypassed
(Temperature sensor defect)
- ERR.3 – Resistance of the temperature sensor is too low. The temperature range of the electronic devices have decreased.
- ERR.4 – Resistance of the temperature sensor is too high. The temperature range of the electronic devices have increased.
- ERR.5 – No temperature rise within 3 minutes even if heating element is switched on.
(Temperature fuse defect)
- ERR.6 – No reduction of the temperature within 3 minutes even if heating element is turned off.
(Power relay CRYDOM defect)
- ERR.7 – Temperature too high, over 240°C (Power relay CRYDOM defect)

ERR.3 and ERR.4 can occur if the electronic devices are not programmed properly.

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3.3 "ECO" Mode

The „ECO" mode is a special economic mode, that cools down the heat press after it has not been used for a certain amount of time. It, first, cools the press to 50°C and then turns off the heating elements altogether. Both changes are signaled by a short acoustic sound.

3.4 Application range and sample adjustments of the heat press

This heat press is made for transferring on mugs and beer mugs.

Example setting, sublimation on a mug:

- Print temperature 190°C
- Time 3.30 minutes

Never close the heat press without a mug inside!

3.5 Applying a transfer to a mug



Insert the mug, with the transfer, into the press.



Press the mug into the heating element.



Continue to press the mug down while closing the press with the lever. The press will heat up to the programmed temperature and count from the preset time down. After the lapse in time the acoustic signal will sound. Open the press and take the mug out.

3.6 Pressure settings

Setting screw is located at the front of the heat press. To adjust the settings, the heat press must be open. The contact pressure should not be too high, otherwise there could be partial damage. After every modification you have to test the new settings.



Damage, which is made by an excessive pressure setting, is not covered by the warranty.

If you want to adjust the pressure settings, please follow these instructions:

1. Place the cup in the heat press.
2. Close the heat press to check the contact pressure.
3. Open the heat press.
4. To increase the contact pressure turn the screw to the left (+).
5. To decrease the contact pressure turn the screw to the right (-).

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3.7 Replacing the heating band

Before replacing the heating band, switch off the heat press and pull the plug out from the wall outlet.

The heating band must be cooled.

Unscrew the heating element (photo1).

Take out the heating element (photo 2).

Pull the cable out (photo 3).

Take out the old heating band and install the new one. Check to see if the press works.



4. Maintenance

4.1 Everyday maintenance

If it is necessary you can grease the movable parts.

Before you can start greasing, the heat press must be turned off and cool.

Pull out the plug.

You can use normal car grease.

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4.2 Replacing the main fuse

If the heat press does not work and the main switch is on, check the main fuse.

The main fuse 10 A is placed at the back of the heat press (photo 1). To replace the main fuse switch off the heat press and pull out the plug from the wall outlet. Replacement fuses are enclosed.

Unscrew the fuse holder (photo 2). Replace the fuse (photo 3) and screw it securely in again.



4.3 Replacing the electronic devices

In the press there is an electronic divide which controls the temperature and time of the press. It is located in the middle part of the press. To replace the electronic device, turn off the press.



Screw the cover off with a Phillips screw driver.



Take off the cover.



Pull out the green plug.



Take out the fastening screw.



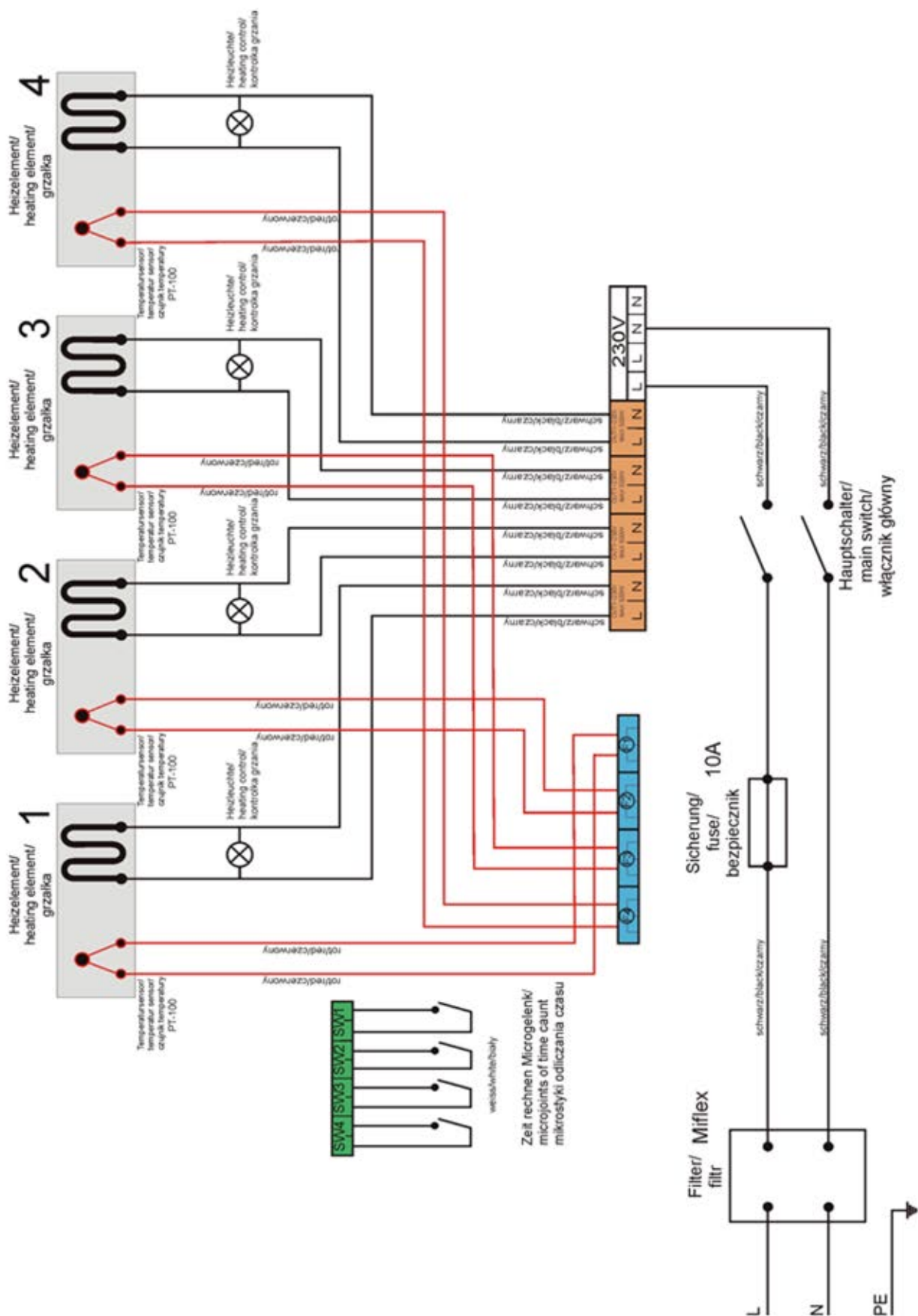
Then take out the electronic device.



Insert the green plug in the new electronic device and attach the electronic device again.

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4.4 Connection diagram



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4.5 Testing Report

Final inspection of the heat press:

- Base, paint
- Greasing of the drive shaft
- Heating plate and base plate, silicon, teflon
- Electronic connection, grounding wire, power cable
- Electronic devices, max. temperature 220°C
- Check all functions of the electronic devices
- Work time at 200°C hours
- Test with transfer
- Caution labels

Serial number Date Signature

4.6 Troubleshooting

Problem	Cause	Debugging
Green switch is lit but: Display doesn't glow and heat plate doesn't heat up	Main fuse 10 A is defected. If the main fuse is okay, then the electronic device is defected	Replace main fuse 10 A Replace electronic device
Display shows Err 1 no temperature or time range	Temperature sensor is defected or cable is broken	Check temperature connection or change temperature sensor
After closing the heat press the time is not counting	START-button is defected	Replace START-button
No acoustic sound at the end of the press time	Beeper is defected	Replace electronic device
Temperature rises more than adjusted and the red diode does not glow on the display. Example: Temperature was adjusted and temperature rises to 180 °C – red diode glows. After reaching 180°C red diode lapses and temperature rises more than 220°C, then sinks. Display shows Err 6	Breakdown of electronic device	Replace electronic device
Settings for time and temperature is not possible	Setting buttons are defected	Replace electronic device
Real temperature doesn't match the temperature shown on the display – temperature too high/ low	Breakdown of electronic device	Replace electronic device