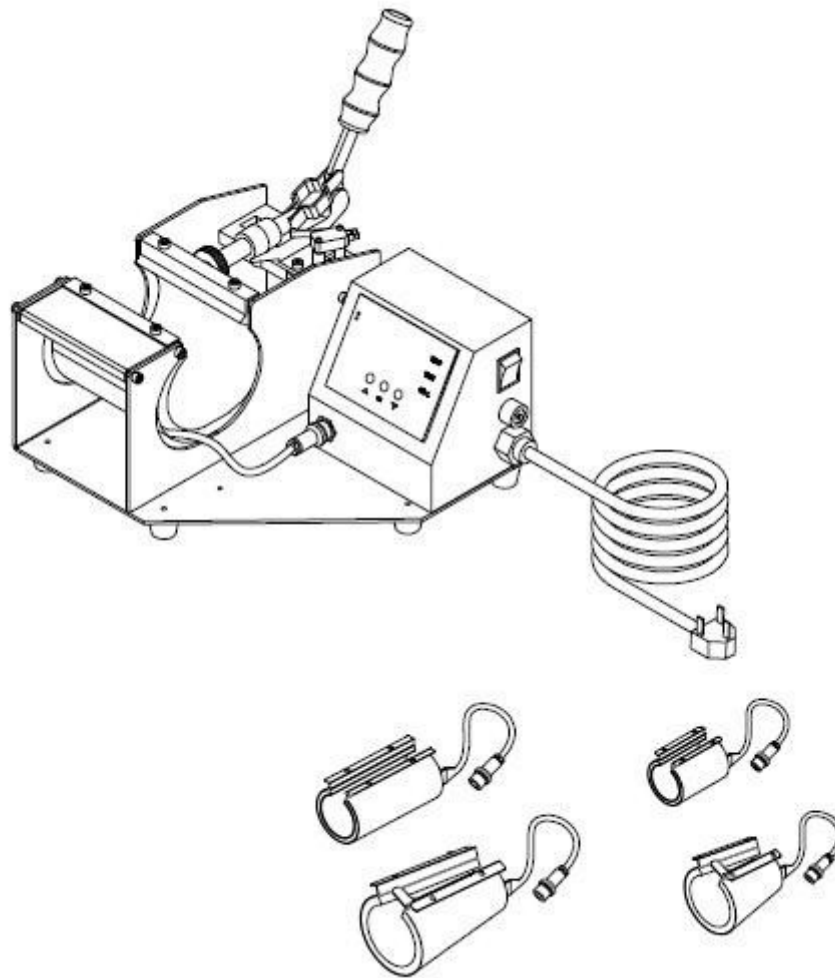




4-in-1- Multifunctional Mug Press

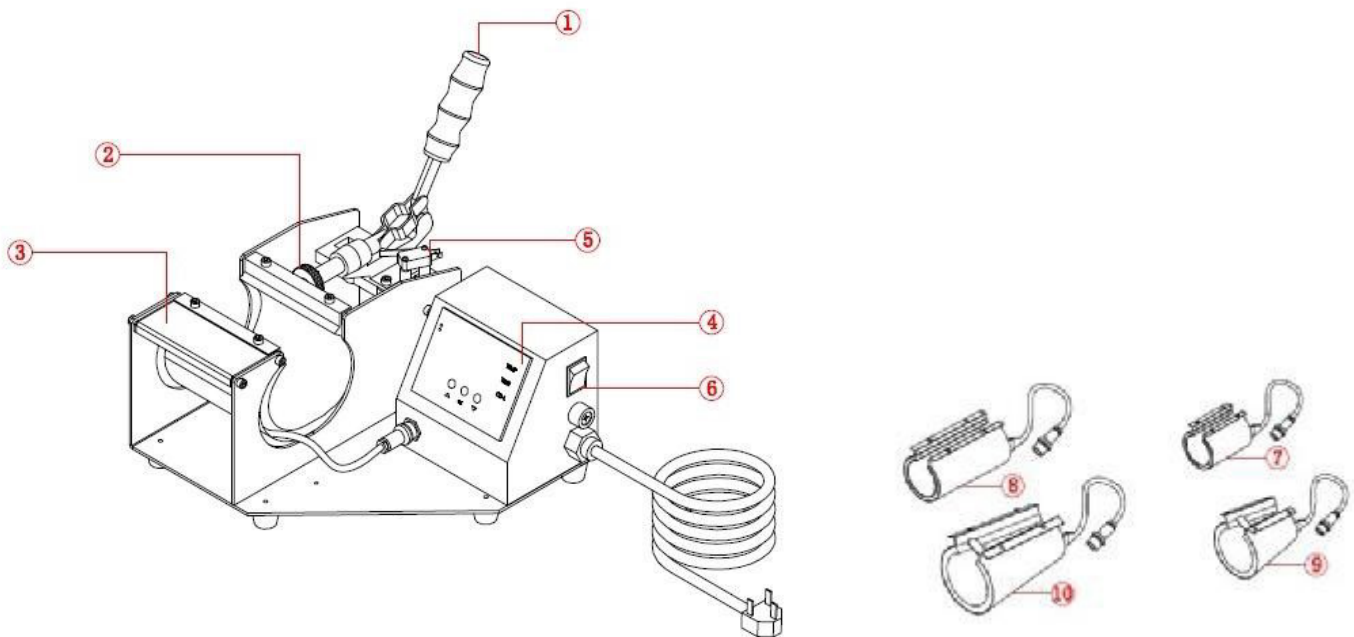
Model No.: XP7620



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I. Assembly Drawing.




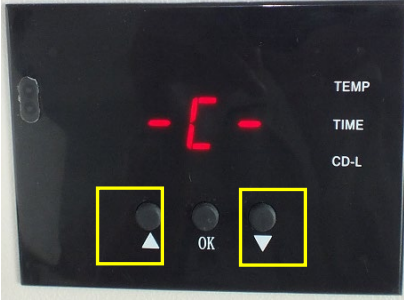






- | | | | |
|-----------------------------------|------------------------------------|---|---|
| 1) Machine Handle | 2) Pressure adjusting screw | 3) Mug heating element | 4) Digital controller |
| 5) Limit switch | 6) Power switch | 7) 6oz & 9oz Standard mug heating element | 8) 11oz & 15oz Standard mug heating element |
| 9) 12oz Latte mug heating element | 10) 17oz Latte mug heating element | | |

II. Technical Parameters.



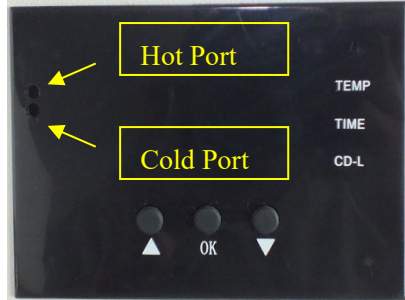



1. Model No.: XP7620
2. Machine Dimension: 310*290*150mm
3. Mug Heater Size: 6oz, 9oz, 11oz and 15oz Standard mug, 12oz and 17oz Latte mug
4. Printable Articles Max Size: $\varnothing 100 \times 120$ mm
5. Voltage: 220V/ 1Phase
6. Power: 0.3 KW
7. Recommended Settings: 30~280s; 180~200°C
8. Time Range: 0~999s
9. Maximum Temp: 225°C
10. Size Export Packed: 450*400*350mm
11. Gross Weight: 8 Kg

III. Operating Process.

1. Set temperature required.

		
<p>Turn on power switch, temperature light is ON. The digital display shows .</p>	<p>Press  button, the  light is on (C denotes Celsius). Press arrows '△' or '▽' to select '°C' or '°F' (F denotes Fahrenheit) according to your habits.</p>	<p>Press  button, the temp  light is on. Using the arrows select the temperature, according to different transfer material (Normally 180°C ~200°C)</p>

2. Set time required

		
<p>Press  button after temperature setting and the  time light is on. Using the arrows select the time according to different transfer material.</p>	<p>Press  button after time setting; the display shows the temperature starts to rise. "CD-L" shows the time counting down during your transfer.</p>	<p>Note: There are two small ports in the front side of the digital display. If the real temperature is lower than digital controller shown, you can adjust the "hot port"; Clockwise to Raise the temperature; anticlockwise to reduce the temperature.</p>

3. Printing methods.

Step 1:

Insert a blank mug of the required size and shape and adjust the heating element's pressure.

Step 2:

Make sure the cord is connected firmly to the wall socket and turn on the power, using the power switch, located on the side of the control box.

Step 3:

Set the temperature and time required.

Step 4:

Once the temperature is achieved the buzzer will sound. Select a mug that is the correct size and shape for the heating element and secure the transfer paper, with the image side facing the mug, using heat resistant tape; Place the mug into the pre-heated element.

Step 5:

Lower the machine handle to start to the transfer cycle.

Step 6:

Once the counter reaches zero the buzzer will sound again, and the mug can be removed from the heating element and the transfer paper removed.

Step 7:

Once the counter reaches zero the buzzer will sound again, and the mug can be removed from the heating element and the transfer paper removed.

WARNING:

The mug and heating element will be extremely hot, and care must be taken to avoid burn injuries.

4. Recommendations:

1) Ceramic Mug transfer: (These settings are dependent on transfer paper, ink and mug type used and should be used for guidance only)

- Set temperature: 200°C.
- Set time: 240 seconds.

PLEASE NOTE:

- 1) Switch off the machine and unplug the power cord when the machine is not in use.
- 2) The heating element will cool down to room temperature if the heat press stays unused for more than 30 minutes.
- 3) For better maintenance of your heat press the maximum setting temperature is 225°C (437°F).
- 4) To avoid damage to the heating element a blank mug of the correct size and shape should be inserted when the machine is left with the power on.

IV. Maintenance.

1. The machine will not work after you turn on the power.

- 1). Check the plug is connected well or that it is not broken.
- 2). Check the power switch or digital controller is not broken.
- 3). Check the fuse is not blown.

2. Indicating light is on, but there is no display on screen.

- 1). Check the 5 cables of the railway transformer. If it is loose, this indicates that the problem is a poor connection. If it is securely connected, it indicates that the Transformer is faulty.

3. The display screen is working well, but the heating element temperature does not rise.

- 1). Check whether the thermocouple of the heating element is secure. If the thermocouple is loose, the display will show 255°C and the machine will keep beeping.
- 2). Check if the indicating light of the solid-state relay is on. If not, check if the relay or digital controller is broken.
- 3). If you have already replaced the solid-state relay for a new one but the heating element will still not heat up, then check to see if the heating element is faulty or the heating element's power cable is loose, you may need a new heating element.

4. The heat platen works well, but suddenly the display screen shows 255°C.

- 1). Check whether the thermocouple is secure.
- 2). If the thermocouple is firmly attached but the controller still shows 255°C, then it is faulty.

5. The machine is heating between 0~180°C, but the display number jumps to above 200°C or 300°C suddenly, or the numbers on the display jump irregularly.

- 1). Check whether the thermocouple of the heating element is firmly attached.
- 2). If the thermocouple is OK, it shows that the program of the digital controller is broken. You will need to replace it for a new controller.

6. The temperature is out of control: Set to 180°C, but the actual temperature is above 200°C.

- 1). This indicates that the solid-state relay is broken/ out-of-control; You will need to replace the relay.
- 2). Alternatively, the digital controller could be faulty with an open circuit providing constant power; You will need to replace the controller.

7. The setting temp and time becomes abnormal after you have replaced the heat platen.

- 1). Please reset the temp and time according to this operators' manual.

8. Maintenance.

- 1). In order to prolong the machine's service life, you should regularly lubricate all mechanical joints with light machine oil.
- 2). Care should be taken to protect the heat platen whenever the machine is not in use. This will prolong the life of the platen and help to keep the image quality of your work high.
- 3). The machine should be stored in a dry place.
- 4) Replace the heating element after approximately 700 transfer cycles or after approximately 2,000 transfer cycles if using a 'Grade A' heating element.
- 5). If you are not able to solve your problem, please contact heatpressesdirect.com for technical support.

9. The following checks should be carried out at regular intervals by a qualified and competent person:

-

- Electrical connections
- Mechanical moving parts

V. Trouble shooting for transfer print quality.

1. If the print colours are pale: the temperature is too low / the pressure is not correct / or the transfer has not been pressed for long enough.
2. If the print colour is too brown or the transfer paper is almost burnt reduce the setting temperature.
3. If the print is blurring too much transfer time causes proliferation of the ink.
4. If print colour is different/ partial transfer effect is not good enough: the pressure is not enough / or the transfer has not been pressed for long enough / or poor-quality transfer paper.
5. If transfer paper sticks to the object after transfer: the temperature is set too high/ or poor-quality printing ink.


VI. Heating Element Temperature Measurement

Testing of the Heating Element for temperature consistency or fault condition should only be undertaken after consulting a qualified engineer, and then only using a wired Digital Thermometer (***please see note below**).

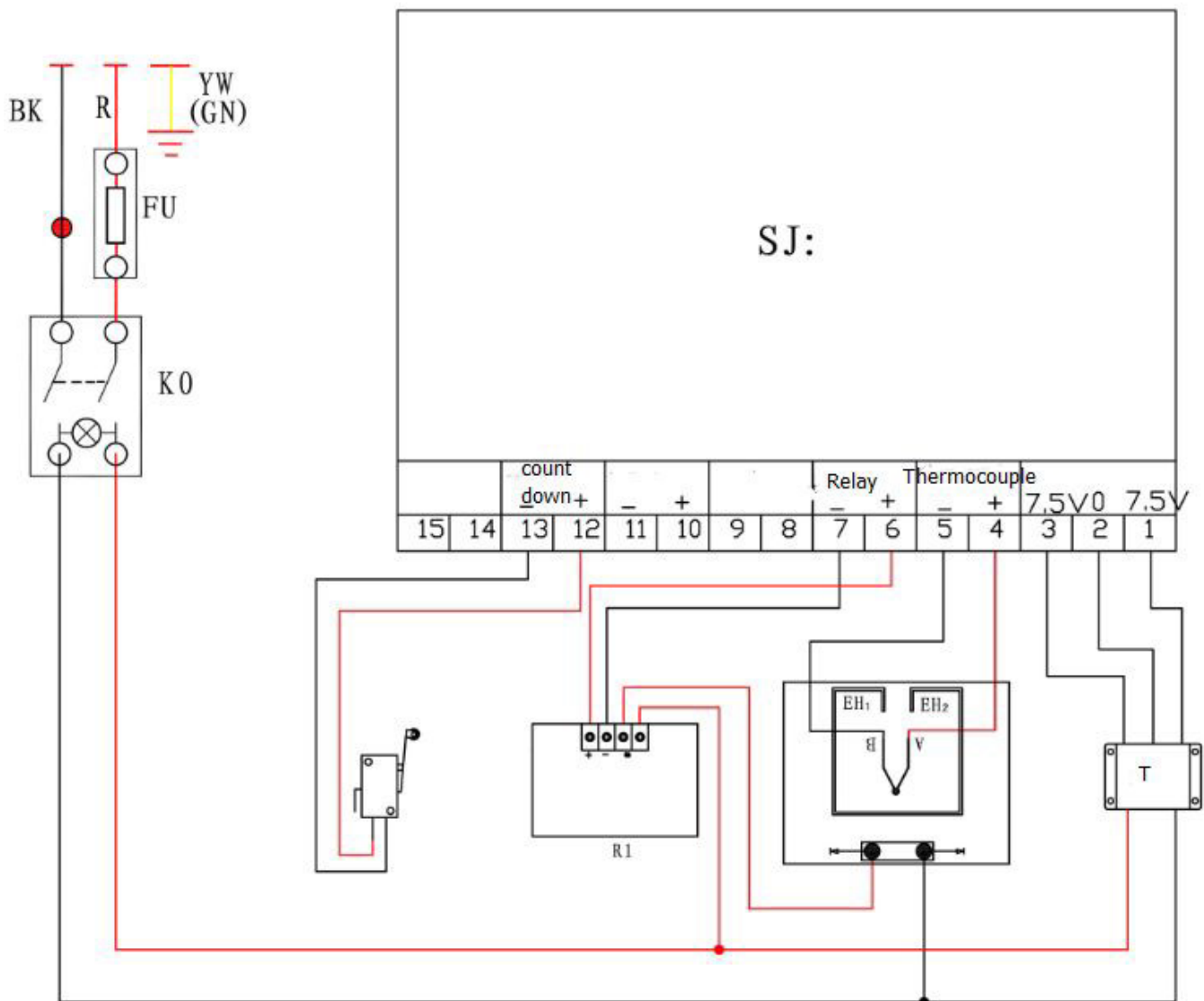


***Please Note:**

The **Digital Thermometer with external probe** is suitable for surface, air and immersion/penetration measurement, which is required for all Heat Presses Direct heat presses.

Laser Thermometers only measure air surfaces which can be misleading due to currents of hot air floating on the surface of the heating Element. 

VII. Electrical Diagram.



Key:

K0: Power Switch

FU: Fuse

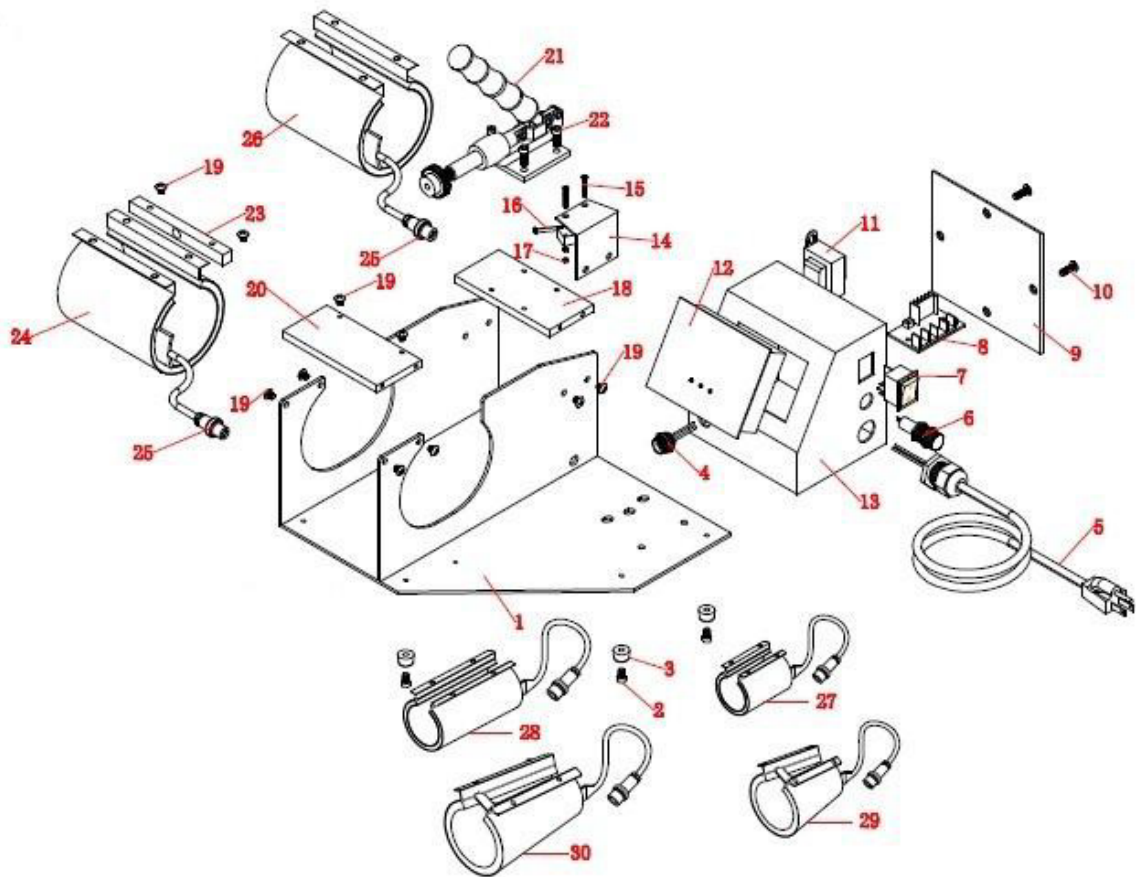
T: Transformer

EH1 EH2: Heating Pipe

SJ: Digital Controller

R1: Relay

VIII. Exploded Diagram.





No.	Part Name	Qty.
1	Machine Base	1
2	Screw	5
3	Rubber Foot	5
4	Female Socket	1
5	Power Cord	1
6	Fuse	1
7	Power Switch	1
8	Solid State Relay	1
9	Electrical Case Cover	1
10	Screw	4
11	Transformer	1
12	Digital Controller	1
13	Electrical Case	1
14	Limit Switch Cover	1
15	Screw	2
16	Limit Switch	1
17	Nut	4
18	Connecting Board	1
19	Screw	12

20	Adapter Plate	1
21	Machine Handle	1
22	Hex Head Screw	4
23	Heating Element Fixing Block	1
24	Small Standard Mug Element	1
25	Male Socket	1
26	Large Standard Mug Element	1
27	6oz, 9oz Standard Mug Element	1
28	11oz, 15oz Standard Mug Element	1
29	12oz Latte Mug Element	1
30	17oz Latte Mug Element	1



Charterhouse Holdings PLC

DECLARATION OF CONFORMITY

Application of Council Directives:	European Low Voltage Directive (LVD), European Machinery Directive (MD), Electro Magnetic Conformity (EMC)
Standards to which Conformity is Declared:	(LVD): <u>EN 60204-1:2018</u> (MD): <u>EN ISO 12100:2010 2006/42/EC Annex1</u> (EMC): <u>EN 61000-6-2:2019</u>
Manufacturer's Name:	Charterhouse Holdings PLC
Manufacturer's Address:	Oakridge Park, Trent Lane, Castle Donington, Derby DE74 2PY United Kingdom
Type of Equipment:	4 in 1 Multifunctional Mug Press
Standards Compliance:	 
Model Number:	<u>XP7620</u>
Serial Number:
Year of Manufacture:

I, the undersigned, hereby declare that the equipment specified above conforms to the above directives and standards.

Place: Castle Donington, United Kingdom

Signature: 

Date: 15th June 2023

Full Name: Miles Carter
Position: Chief Executive