HEAT PRESS MACHINE

1 YEAR WARRANTY



Operator's Manual

MechMaxx

www.mechmaxx.com

OPERATING INSTRUCTIONS

FOR THE HEAT PRESS MACHINE

Thank you for purchasing a Mechmaxx heat press!

To ensure smooth setup and operation, please read this user manual carefully before starting production with your machine.

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LARGE FORMAT HEAT PRESS MACHINE USER MANUAL

SUMMARY

This machine can thermo-transfer (via sublimation) colorful pictures and words onto textiles made of cotton, flax, chemical fiber, nylon, etc. This machine can also conduct some heat-treatments such as hair-planting print, vesicant print, and conglutination of clothes with their lining under lower temperature and lower pressure (such as the conglutination of kid's clothes, caps and shoes).

It is manual machine, easy operation, safe and reliable with thickened cast aluminum heating board.

SHORT OVERVIEW – MECHMAXX HEAT PRESS MACHINE

• Large & Multiple Small Items in One Go

Whether you're in textile printing, gift personalization, or home decoration, our oversized heat press lets you print dozens of small items at once or create full-bleed designs on large format fabrics. It improves your efficiency and works perfectly across a variety of substrates!

• Dual Pressure Knobs

Say goodbye to uneven heating! With dual pressure adjustment knobs, the oversized heating platen also ensures consistent pressure on your projects.

• High-Density Foam Pad & Silicon Pad

It's an eco-friendly bonding foam that's super durable and strong. When paired with a heated platen, provides good support and durability and creates even pressure for vibrant colors!

SAFETY PRECAUTIONS

1.This machine must be protected by safe and reliable ground wire. Note that it is only permissible to operate a heat press from a power socket protected by a ground fault protection switch.

2. During heating up and operation, please do not touch the heater to avoid scalding.

3. To get successful sublimation effect, it should be correct time, temperature and pressure; the thickness and material of the heating sublimation products and the ink and paper also will affect the sublimation effect.

4. Before large scale production, you must make some sample test to make sure the best time, temperature, pressure etc.

5. The temperature controller is complicated, except the temperature setting, please do not make other setting to avoid program error and broken.

6. Don't put your hand on the working plate when the machine is working, for prevent your hand from burns

7.Never open the housing or attempt to modify the machine yourself

8.In case you are requested by the Mechmaxx customer support to open the heating plate cover, please make sure you are wearing respiratory protection and only touch the contained insulation wool with gloves. Any disposal of the wool must be contained in a closed bag.

9.Ensure that liquids and metal objects do not get into the inside of the heat press.

10.Disconnect machine from power outlet when not in use!

11.Never operate the heat press within the reach of children and never leave the machine unsupervised when switched on.

12.Ensure that the machine is used only in dry rooms.

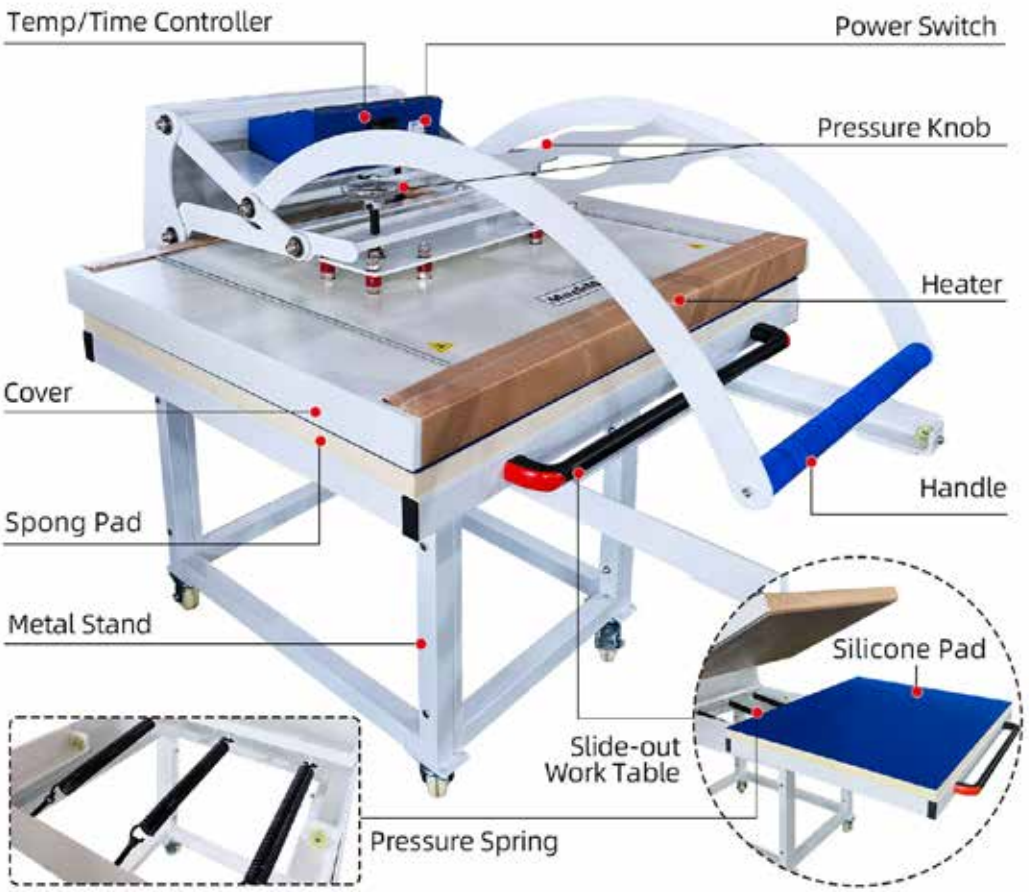
If you cannot observe one or more of the safety precautions above, or if you are not sure whether all points are satisfied, please contact our Technical Support Department.

SCOPE OF DELIVERY

Item	Quantity
Heat press machine	1
Instruction manual	1
Stand	1

TECHNICAL PARAMETERS

	Large format Heat Press Machine
Model	MS3240
Voltage	220V
Power	6300W/8.4HP
Temperature	32-750℉(0-399℃)
Time for heating up	15-30 minutes
Work Size	32x40 inches / 80x100cm



OPERATION

1.PRESSURE SETTING



You can use the pressure knob to adjust the pressure, turning it clockwise will increase the pressure. Please pull the handle up and press it down to see whether the pressure is suitable (before starting the intended operations).

2.PANEL SETTING







Turn on the power switch,

1): Press the "⊂⊃" button to display "Temperature Setting." Press the up and down buttons to adjust the desired temperature.

2): Press the "⊂⊃" button again to display "Time Setting." Press the up and down buttons to adjust the desired time.

3): Finally, press the "⊂⊃" button for about 3 seconds to save the setting. The machine will then begin heating.

4): Press and hold the "▲" button for about 3 seconds to reset the piece counter to 0.

Working Temperature: After you save the target temperature and time,the panel will show the working temperature, which is the current temperature of the heat plate, The heat plate will take some time to warm up, please wait until the working temperature reaches the target temperature， only then the machine is ready to use.

Convert Fahrenheit to Celsius

Remark:The default factory setting is Fahrenheit. If you need to change it to Celsius, refer to the following. If not, ignore it.







RECOMMENDED TIMES AND TEMPERATURES

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

Item Name	Lowest Temp.(F)	Highest Temp.(F)	Time(S)	Remark
Plate	230	330	40	1.Printing On Sublimation Paper , Mirror Image ; 2.Put The Plate Right ; 3.Light Medium .
	320	330	100	
Ceramic Tile	230	345	50	1.Printing On Sublimation Paper , Mirror Image ; 2.Image And Printing Side Matched Tight Without Margin ; 3.Printing Side Downward ; 4.Medium Pressure .
			120-240	
	330	345	100	
			300-420	
Metal Board	230	330	20	1.Printing On Sublimation Paper , Mirror Image ; 2.Tear Off The Protective Film On The Board Before Printing ; 3.Image And Printing Side Matched Tight Without Margin ; 4.High Pressure .
	330	330	100-120	
Key Chain (Sparking Aluminum Sheet)	230	310	20	1.Printing On Sublimation Paper , Mirror Image ; 2.Tear Off The Protective Film On The Board Before Printing ; 3.Image And Printing Side Matched Tight Without Margin ; 4.High Pressure .
	310	330	100	
T-Shirt (Non Cotton Material)	330	330	120	1.Printing On Sublimation Paper , Mirror Image ; 2.Keep Temperature Sensitive Parts Away From Heating Board ; 3.Press Down The Heating Board After It Rises To The Lowest Temperature ; 4.High Pressure ; 5.Only For Non Cotton Material Like Fabrics And Polyester .
T-Shirt (Light Color Cotton Material)	340	340	30	1.Printing On Light Color Transfer Paper , Mirror Image ; 2.Keep Temperature Sensitive Parts Away From Heating Board ; 3.Press Down The Heating Board After It Rises To The Lowest Temperature ; 4.High Pressure ; 5.Peel Off Base Paper Immediately After Printing ; 5.Only For Light Color Cotton T-Shirts .

HEAT PRESS MACHINE

Item Name	Lowest Temp.(F)	Highest Temp.(F)	Time(S)	Remark
T-Shirt (Dark Color Cotton Material)	340	340	30	1.Printing On Dark Color Transfer Paper , Non Mirror Image ; 2.Keep Temperature Sensitive Parts Away From Heating Board ; 3.Press Down The Heating Board After It Rises To The Lowest Temperature ; 4.High Pressure ; 5.Wait For 3 Minutes And Peel Off Thermal Paper.
Mouse Pad	345	345	120	1.Printing On Sublimation Paper , Mirror Image ; 2.Image And Printing Side Matched Tight Without Margin ; 3.Medium Medium .
Puzzle	320	320	120	1.Printing On Sublimation Paper , Mirror Image ; 2.Image And Printing Side Matched Tight Without Margin ; 3.Medium Medium .
Metal Name Card	330	330	40	1.Printing On Sublimation Paper , Mirror Image; 2.Printing Side Downward; 3.Both Sides Printable , Printing Side By Side With The Need For Thermal Paper.
Pillow	345	345	80	1.Printing On Sublimation Paper , Mirror Image; 2. Keep Temperature Sensitive Parts Away From Heating Board; 3.Press Down The Heating Board After It Rises To The Lowest Temperature ; 4.High Pressure.
Photo Slate	230	345	120-180	1.Printing On Sublimation Paper , Mirror Image; 2.Image And Printing Side Matched Tight Without Margin ; 3.Printing Side Downward; 4.Medium Pressure.
			360-480	
	345	345	240-300	
			450-600	

IMPORTANT NOTICE

Before beginning full production, it is essential to conduct your own tests using the specific transfer materials and substrates intended for use. The settings and values provided in this manual, as well as those from the material manufacturer, should be regarded as general guidelines only.

The user is solely responsible for determining the correct settings suitable for their individual conditions. Performance characteristics such as washability and transfer behavior must be verified through your own testing.

TEXTILE APPLICATION NOTE:

After pressing, allow the textile to cool completely before removing any type of carrier or backing from the transfer material. The adhesive in the transfer material activates fully only when cooled. If the adhesive fails to bond properly once cooled, it may indicate insufficient pressing temperature or duration.

MAINTENANCE

1.No action after turn on the machine

1). Check the plug whether it connects well or whether it is broken.

2).Check the power switch or digital controller whether it is broken

2. Heater can not be heating up

1)The panel has problem

2)Check whether the thermocouple of the heat platen touches well

3)Solid-State Relay is not working

3. Temperature displays incompletely

Check whether the thermocouple of the heat platen touches well

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

1). It means the solid-state relay is broken, out of control, need to change the Solid-State Relay.

2). Or the digital controller is faulty and it keeps conveying electric to Solid-State Relay, need to change controller

5. The setting temp and time becomes abnormal after exchange the heat platen

Please reset the temp and time according the operation process manual.

6. The temperature is normal, but don't count the time.

The timing sensor or display board is damaged

7. The temperature is normal, but the buzzer does not sound when time finished.

The Panel or buzzer is damaged.

8. Maintenance and cleaning

1).In order to prolong the machine service life, please add the lubrication oil regularly on the joints.

2).In order to keep the heat platen's good transfer effect, you need to protect the heat platen carefully whenever you are using it or not.

3).Please keep the machine in dry place.

4).If you are not able to solve the electrical parts problem, please kindly contact the supplier and get technical support

5).Maintenance work should always be accomplished with the press switched off and cooled down.

6).The plug must first be disconnected from the power socket.

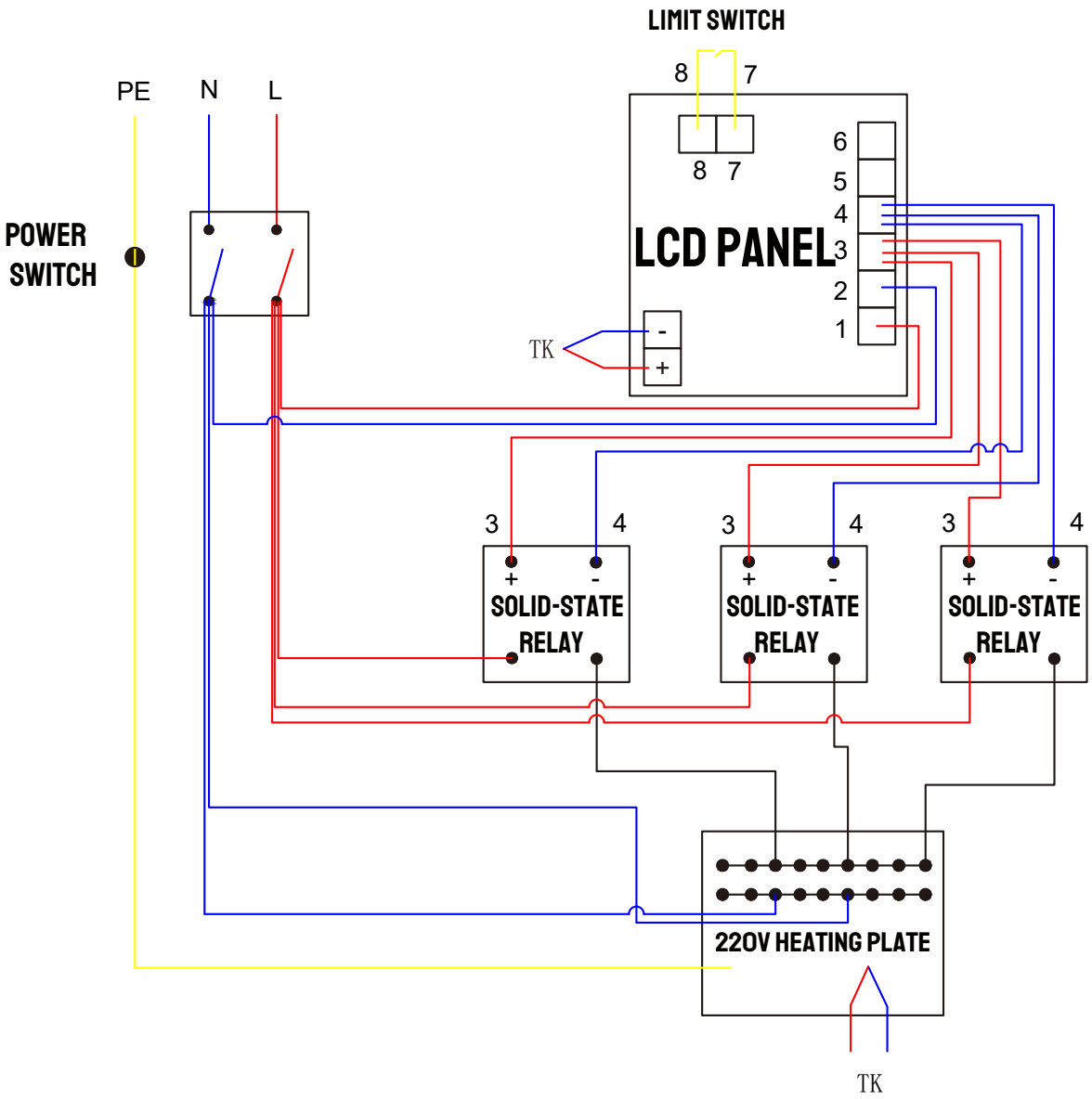
7).Clean the press regularly with a soft cloth and mild household cleaner to remove adhesive residues etc. Never use scouring sponges, solvents or gasoline!

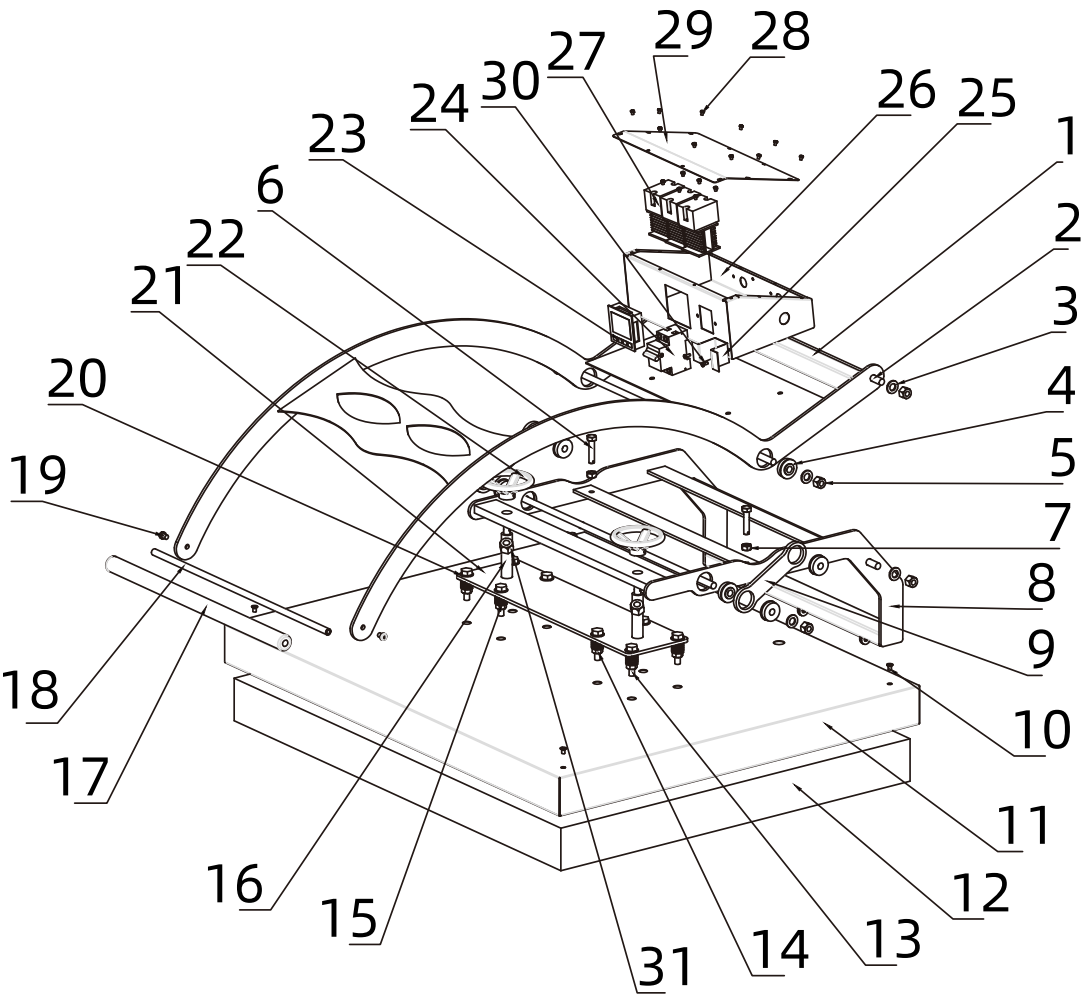
TROUBLE SHOOTING FOR TRANSFER PRINT QUALITY

1. If the print color is pale: the temperature is too low/the pressure is not correct/ or not pressed long enough.
2.If the print color 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.
4.If print color is different/ partial transfer effect is not good enough: the pressure is not enough / or not pressed long enough / or poor quality transfer paper.
5.If transfer paper stick to the object after transfer: the temperature is too high/ or poor quality printing ink.
6.Heating plate only rises and fails to press down after startup: Check if the emergency stop button is released and if the air valve is open.
7.Heating plate does not heat up: The temperature controller shows normal readings. Check whether the indicator light of the relay is on.
8.The temperature controller displays three distorted 0 characters: The thermocouple is loose or damaged.

CIRCUIT DIAGRAM

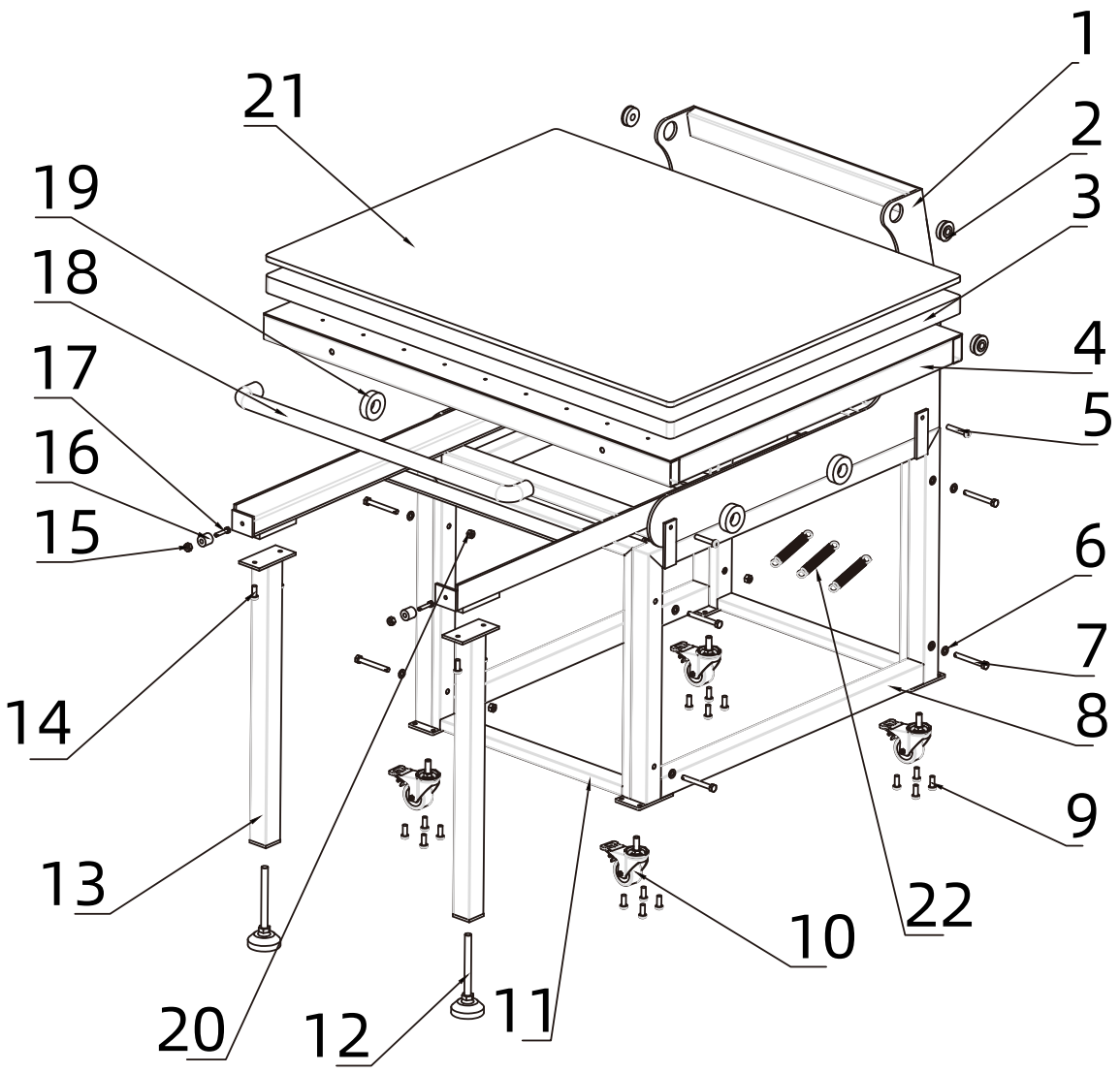
80100 LARGE HANDLE MANUAL HEAT PRESS MACHINE WIRING DIAGRAM 220V





Item No	Part No	Description	Qty
1	Handle 1	1200*545*380	1
2	Fixing Screw Rod	Ø12*599	4
3	Plain Washer	M12	12
4	Flange Bearing	6202-2RS	8
5	Self-locking Nut	M12	8
6	Hexagon Head Bolt M10×60	M10X60	2
7	M10 Nut	M10	2
8	Handle 2	585*545*264	1
9	Latch	78*46	2
10	Countersunk Head Screw M6×10	M6X10	4
11	Heating Cover Plate	1026*826*62*1.0t	1
12	Heating Plate	80*100CM	1
13	Heating Plate Threaded Rod	Ø12*85	8
14	Hex Nut M12	M12	16
15	Spring	25*22	8

Item No	Part No	Description	Qty
16	Handwheel Threaded Rod	Ø16*95	2
17	Handle Foam	100MM	6
18	Handle Threaded Rod	Ø12*532	1
19	Socket Head Cap Screw M8×10	M8X10	2
20	Plain Washer	M12	8
21	Hanging Plate	530*140*6t	1
22	Aluminum Handwheel	M12*100	1
23	Temperature Controller	RESET 73*73	1
24	Circuit Breaker	NXB-63C63	1
25	Circuit Breaker Fixing Bracket	76*39	1
26	Housing	315*190*117	1
27	Solid State Relay	60A	3
28	M4 Self-tapping Screw	M4-10	10
29	Back Plate	315*190	1
30	M4×15 Cross Head Screw	M4X15	2
31	M16 Nut	M16	2



Item No	Part No	Description	Qty
1	Base Assembly	1322*562*493	1
2	Flange Bearing	6202-2RS	4
3	Foam pad	3cm Density 120-130	1
4	Iron Base Plate	800*1000*53	1
5	Hex Head Bolt M8×20	M8×20	4
6	Plain Washer	M8	20
7	Hex Head Bolt M8×70	M8×70	10
8	Big Frame Base Assembly	800*560	2
9	Hexagon Socket Head Cap Screw M8×12	M8×10	16
10	brake caster	M12\3	4
11	Small Frame Base Assembly	489*555	2

Item No	Part No	Description	Qty
12	leveling foot	M12*100	2
13	Support Square Tube	570*40	2
14	Hexagon Socket Head Cap Screw M6×12	M6×12	4
15	Nyloc Nut	M8	4
16	Polyurethane elastomer	Ø20x20	4
17	Hexagon Head Bolt M8×35	M8x35	4
18	Handle	L660	1
19	Large Bearing	6205-2RS	4
20	Nyloc Nut	M8	8
21	Silicone rubber	80*100*0.3	1
22	Spring		3

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