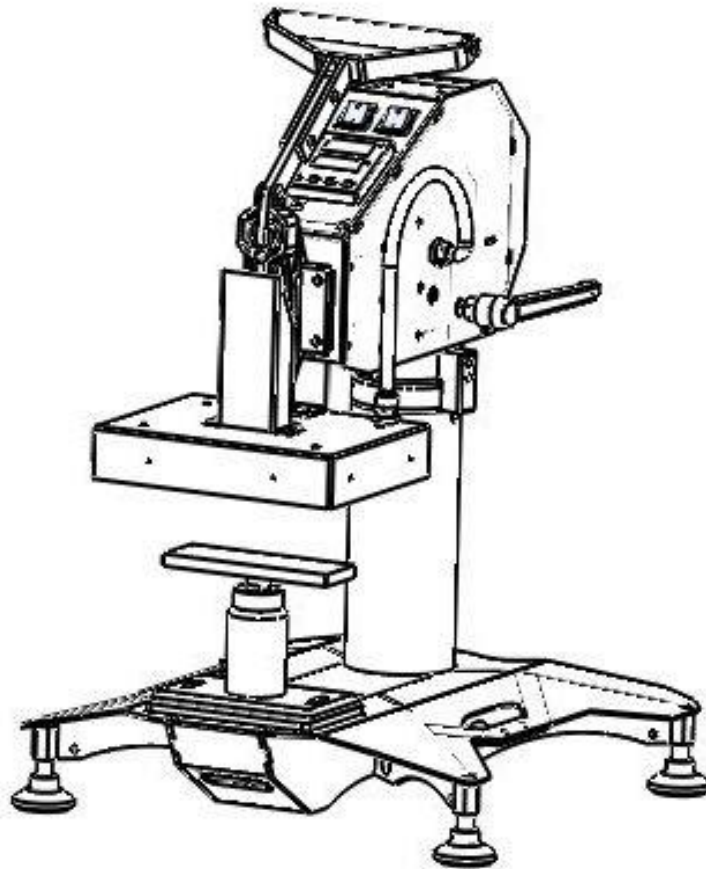


**CS-290 Manual Flat Press Machine****Operation Manual**

is powered by  
**H&H Asia Group Limited**

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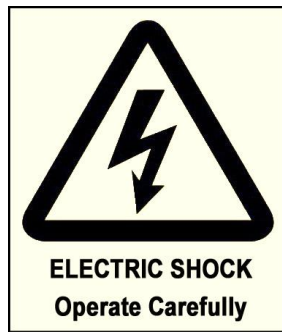
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> Precautions with regard to Safety

Please observe these safety tips for safe, efficient, an injury-free operation of your equipment. By strictly following all instruction contained in this manual you will certainly obtain an excellent performance from the use of this equipment for years.



> Precautions with regard to Safety (cont.)




> Name Plate

Model : CS-290  
Manual Flat Press Machine

Voltage	Frequency	Power	Compressed Air	Weight
220 V	50/60 Hz	1000 W		34 Kg
Date :			S/N :	

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MADE IN CHINA



**> Introduction**

Thank you for your choosing of CS-290 which is manufactured by H&H.

The manual flat press machine described in this manual is one of the sophisticated machines for processing the flat press products in the market today. Built on pure digital control platform and designed for the professional users. Operators are recommended to have basic knowledge and skill in heat press operation before using this machine.

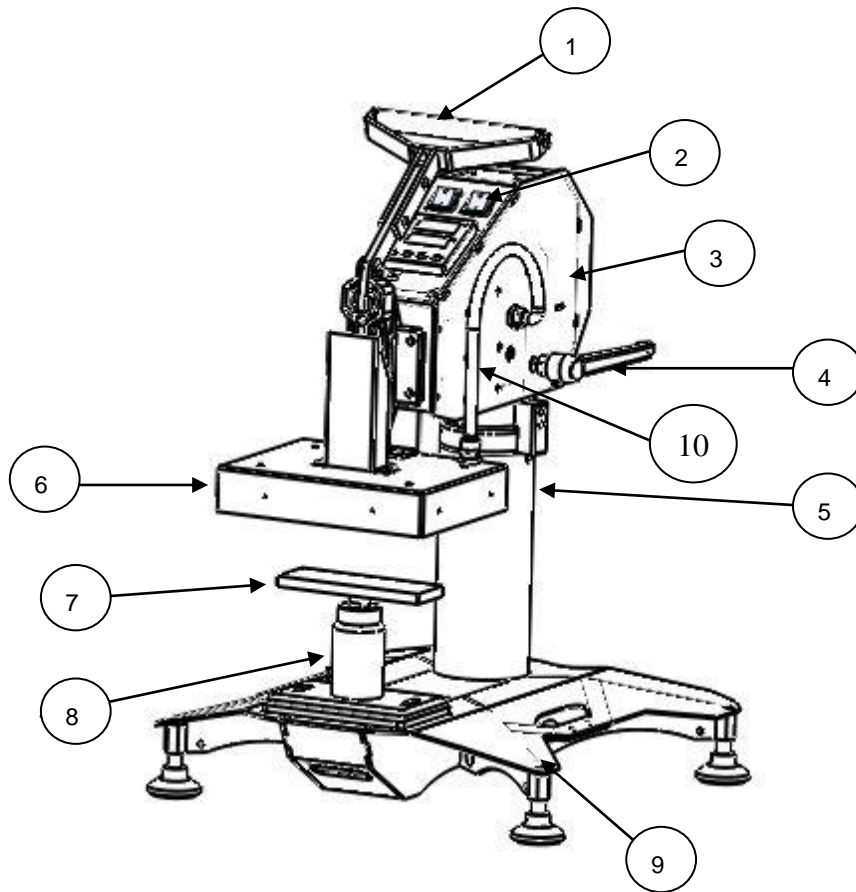
This manual is aimed for the operators to understand the machine and avoid damage to the machine or personnel. Please read this manual carefully and keep it well for daily reference usage.

**> Specifications**

Model	:	CS-290
Voltage	:	220 V, single phase
Frequency	:	50/60 Hz
Power Consumption	:	1000 W
Heat Temperature Range	:	Room Temperature~300°C
Press Duration	:	1-999 second, minute or hour
Heat Press Size	:	8" x 6"
Lower Platform Size	:	8" x 6", 6" x 2", φ2.5"
Overall Dimensions	:	500mm (L) x 400mm (W) x 600mm (H)
Overall Weight	:	34 kg

Note : due to continuous improvement, specifications are subjected to change without prior notification

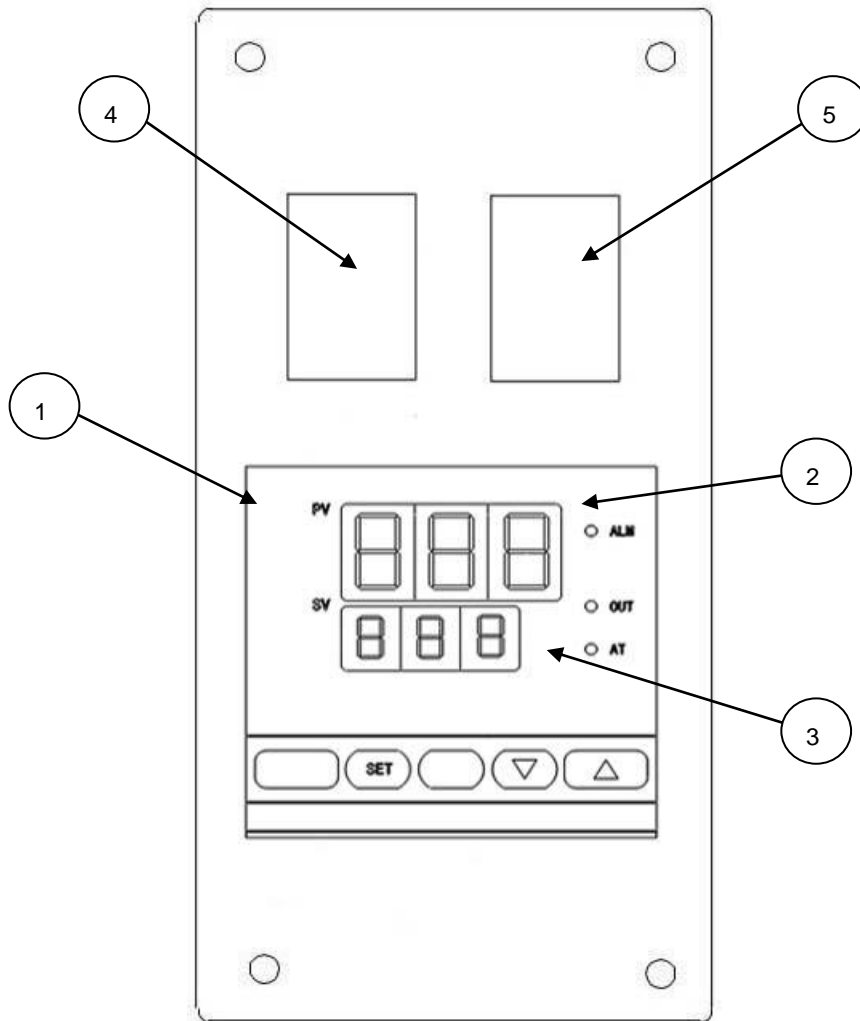
> Machine Components



1. hand press handle
2. control panel
3. chassis
4. level turning lock bar
5. pole
6. heating plate & pressing head
7. lower mold
8. support
9. base
10. thermo couple & power cords conduit



> Control Panel



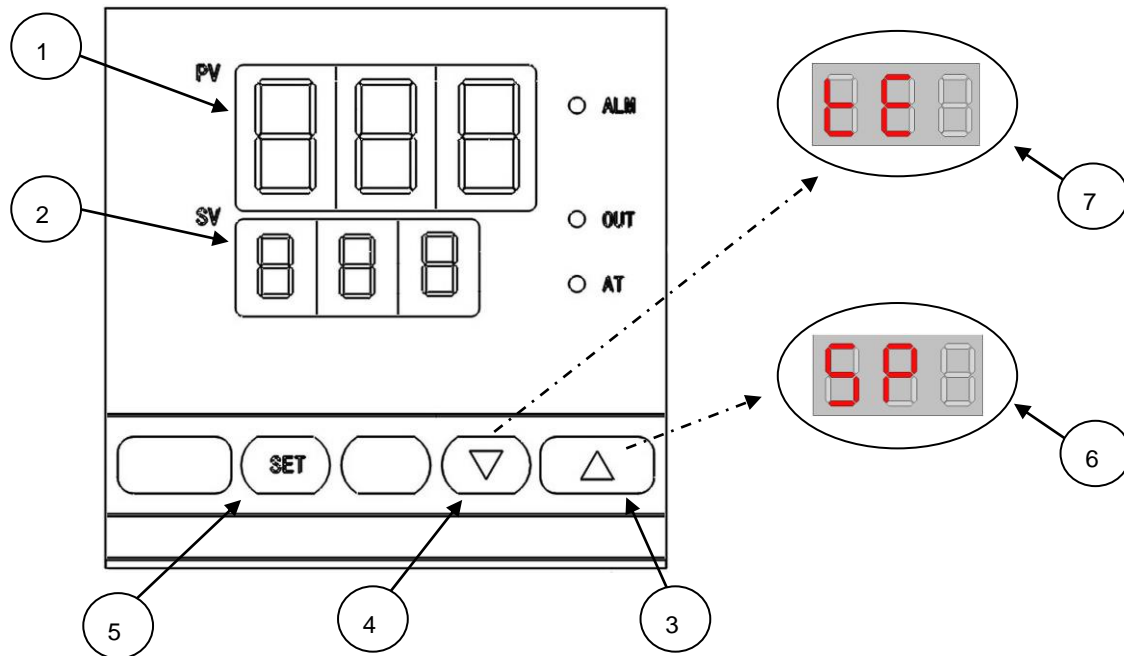
- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1. Temperature & Timer Controller | – Temperature Setting and Control |
| 2. Temperature Display            | – Display Temperature             |
| 3. Timer Display                  | – Display Press Time              |
| 4. Main Power Switch              | – On / Off The Main Power         |
| 5. Heater Switch                  | – On / Off The Heater             |

**> Machine Operation**

1. After connected the main power supply, adjust the heating temperature and time, press pressure. Then press on the heater switch, the temperature of the heating plate will go up gradually.
2. Wait until the heating plate reaches the pre-set temperature. Pull down the hand press handle, the timer will be triggered simultaneously. After the countdown finished, a “beep” sound will alert you to lift up the press handle.
3. Perform the above step again for the next work piece.
4. Switch off the main power after the work is finished.

> Machine Setting

>> Temperature & Timer Controller Adjustment



1. temperature display / input mode display
2. timer display / input value display
3. increase
4. decrease
5. SET : data input acceptance button
6. temperature set point input
7. time span set point input

Press the #3 button for 3 seconds, the temperature set point input mode #6 will show up at #1 PV display. You can increase or decrease the temperature set point by press at #3 or #4 respectively and the value will show at #2 SV display. Press the #5 "SET" button for confirmation.

Press the #4 button for 3 seconds, the time span set point input mode #7 will show up at #1 PV display. You can increase or decrease the time span set point by press at #3 or #4 respectively and the value will show at the #2 SV display. Press the #5 "SET" button for confirmation.

> **Trouble Shooting**

Problem	Cause	solution
No power to individual parts	Fault with power cord or plug	Check the power connection
	Circuit breaker tripped	Reset the breaker and investigate the system
	Main power supply not switch on	Switch on the main power supply
	Bad contact	Check the circuit if there is any loosen part
	Transformer fault	Check the voltage of power supply
Temperature monitor unsteady	Thermocouple fault	Replace the temperature sensor
	Thermocouple connection is loosen	Check and tighten the connection
	Temperature controller malfunction	Replace the circuit board in the control box
	Thermocouple extension cable short circuit	Check the break point and repair
	Thermocouple installed in wrong position	Check the end point of the sensor and relocate the position of it
Temperature monitor showing the ambient temperature	Heater not started up	Press the heat button
	Temperature too low	Set with a higher temperature
	Thermocouple fault	Replace the thermocouple
	Power supply voltage unsteady	Install voltage stabilizer
Heater temperature cannot raises up	Solid state relay (SSR) malfunction	Replace the SSR