

# ROSIN INDUSTRIES X5

ELECTRIC HEAT PRESS MACHINE

## OPERATOR'S MANUAL



ROSIN INDUSTRIES

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# THE ROSIN INDUSTRIES X5 ELECTRIC PRESS



## The Rosin Industries X5 Electric Press

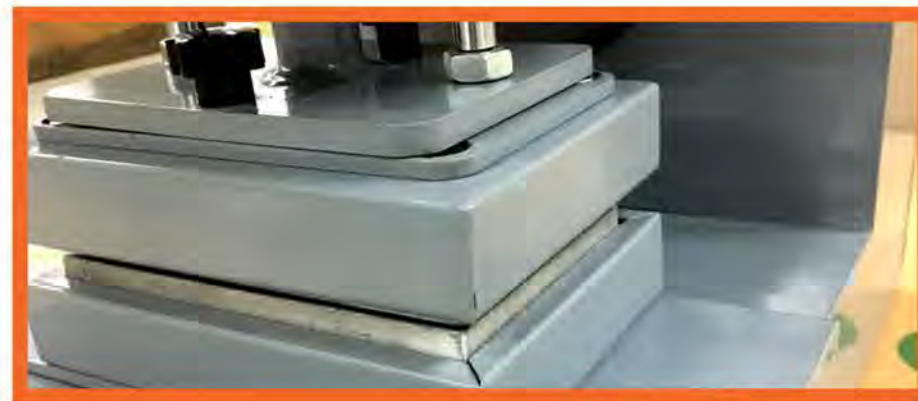
The X5 Electric Press is the newest addition to the Rosin Industries catalog. The X5 is an electrical press that eliminates the need for a pneumatic compressor.

- Electronic press with manual and automatic plunger actions
- Adjustable electronic pressure control
- Integrated digital controller for time, temperature (Fahrenheit or Celsius) & cycle counter
- Automatic full press cycle function
- Manual incremental lowering & pre-heat function
- Emergency stop function
- Cast aluminum plunger cylinder for maximum durability
- Protective heat shroud
- Power 110VAC
- Temperature Range: 0~250°F
- Pressure Range: 0~2 tons
- Warranty:
  - o 1 year Warranty on the housing and electronic components
  - o 45 day Warranty on the heat plates

## Operators Manual

### Safety Checklist:

- WARNING:** This machine is not suitable for use by minors.
- WARNING:** This machine is not suitable for food processing.
- WARNING:** Disconnect the power before servicing the unit or changing heat plates.
- WARNING:** Use safety glasses and proper PPE when operating and repairing the unit.
- WARNING:** Keep hands and loose clothing away from moving parts.
- WARNING:** Install the unit on a stable surface that is able to support up to 175 pounds.



## NOTE:

- Temperature and Time of the press application will vary according to the material being processed and the thickness of those materials.
- Start with a small test sample to find the appropriate temperature and time needed before attempting large quantity processing.
- Recommended temperature is 180\* - 230\*F. Use with parchment paper and press for 10 - 35 seconds.

## TESTER'S ADVICE

- Recommended settings
  - Flowers: 180°F - 230°F
  - Concentrates: 150°F - 220°F
- A good starting temperature is 200°F. Adjust according to material and thickness.
- Flowers require higher pressure.
- When processing concentrates, begin with low pressure and increase incrementally.
- Set Starting Press Time for 15 - 30 seconds. Adjust according to material and thickness.
- Allow 15 - 30 minutes for the plates to reach the desired temperature.

## TROUBLESHOOTING

PROBLEM	CAUSE	HANDLING METHODS
Product lacking terps	Too much time or temperature	Adjust time and temperature
Fails to heat up, but display works	Heating plate or Relay is broken	Check the heating plate or Relay
Lack of return on yield	Insufficient temperature and/or press time	Adjust the temperature and/or increase the heating time
Darkend, deep color	Pressed for too long and/or temperature is too high	Adjust the temperature and/or the heating time
No action after turning on the power	Not plugged in all the way or fuse might be burned	Check the plug and make sure that it is making connection with the outlet
The real passes over the setting temperature	Relay broken	Replace the relay

## PLATE SWAP OPTION:

### i. Plate Swapping Directions

#### 1. Swapping the TOP Plate:

- With power on, manually lower the top plate to a convenient position for removing the plate.
- Turn off power to the machine.
- Disconnect the power connector that connects the heat plate to the machine.
- Remove the plate bracket with attached heat plate by loosening the knob bolts on top of the bracket.
- Swap in the new Press Plate and fix in place with the knob bolts.
- Connect the power connector that connects the heat plate to the machine.
- Turn on the power and raise the top plate to the upper position.



#### 2. Swapping the BOTTOM Plate:

- Turn off power to the machine.
- Disconnect the power connector that connects the heat plate to the machine.
- Remove the plate bracket with attached heat plate by loosening the knob bolts on each side of the bracket.
- Swap in the new Press Plate and fix in place with the knob bolts.
- Connect the power connector that connects the heat plate to the machine.
- Turn on the power and prepare for processing.



## GENERAL OPERATION:

- The X5 housing has four buttons for operation. Two side start buttons that control the auto press function. A front start button that controls the manual incremental lowering function and is used for pre-heating the material. A front centered Red emergency stop button controls turns off power to the machine.
- After temperature and time have been set, the heat plate temperature will start to increase. Allow 15-30 minutes to properly heat the plates. When the desired temperature is reached, place the material on the working table.
- For Automatic Press cycle:**
  - Press Left and Right Start buttons to activate the auto-press function. This will trigger a complete press cycle during which the plunger will automatically lower, press the material at the temperature and time set and retract after completing the press.
- For Manual Incremental Press and Pre-Heat Function:**
  - Press Front Start button to activate the incremental lowering function.
  - Pressing the button will lower the plunger; releasing the button stops the plunger.
  - The user can lower the plunger to slightly squeeze the material and heat for any desired length of time before pressing the auto-press buttons to complete the process.
  - Caution should be used not to burn or over heat the material.
- For Emergency-stop:**
  - Press the Front Centered emergency stop button to immediately cut power to the machine and stop all processes.

### III. NOTE:

- Temperature and Time of the press application will vary according to the material being processed and the thickness of those materials.
- Start with a small test sample to find the appropriate temperature and time needed before attempting large quantity processing.

## PREHEAT FUNCTION:

- After temperature and time have been set, the heat plate temperature will start to increase. Allow 15-30 minutes to properly heat the plates. When the desired temperature is reached, place the material on the working table.
- Use the front start button to incrementally lower the plunger until it slightly squeezes the material between the heat plates.

## FUNCTION SETTINGS

### 1. Set Temperature & Time:



1. Press & hold the SET Button



2. The display shows SP



3. Press arrows "up" or "down" to select temperature as required



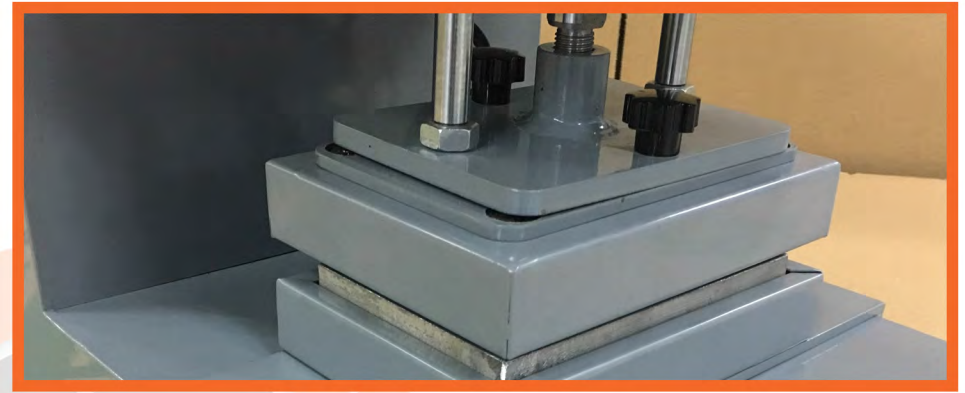
4. After desired temperature is selected, Press the SET button to confirm the setting



5. Press arrows "up" or "down" to select time as required



6. After desired time is selected, Press SET button to confirm the setting



### Side Start buttons

Two side start buttons that control the auto press function



### Front Start button

A front start button that controls the manual incremental lowering function and is used for the pre-heating the material.



### Emergency-stop button

A front centered Red emergency stop button that kills power to the machine