



# BRICK PRESS MANUAL & 2- IN-1 PRESSER

MODEL No: MPP2 & PPM4

---

USER GUIDE AND TROUBLESHOOTING

## CONTACT

---

Rositek Technologies  
[www.rositek.com](http://www.rositek.com)

E-mail: [support@rositek.com](mailto:support@rositek.com)

© 2021 Rositek  
All rights reserved



---

## TABLE OF CONTENTS

PAGE 2	POLLEN BRICK PRESS OVERVIEW Disclaimer
PAGE 3	SAFETY PRECAUTIONS
PAGE 3	HANDLING PRECAUTIONS
PAGE 4	UNPACKING Unpacking Precautions Unpacking Instructions Item Checklist -- MPP2 & PPM4 Recommended Parts
PAGE 5	GETTING FAMILIAR -- MPP2
PAGE 6	GETTING FAMILIAR -- PPM4
PAGE 7	GETTING FAMILIAR -- Pollen Brick Mold
PAGE 8 - 12	OPERATING INSTRUCTIONS Loading Materials Pressing with MPP2 Manual Presser Pressing with PPM4 2- IN -1 Presser <b>1# Step for Creating Birck</b> <b>2# Step for Pressing Material</b> Cleaning Press Plates PID Control Instructions for PPM4 PID Default Parameters for PPM4 <b>How to Set Back to Default Settings</b>
PAGE 13	TROUBLESHOOTING How to Replace the Bottle Jack Bottle Jack does not Hold Pressure After Receiving It, How to Fix It How to Replace PID Module
PAGE 14	WARRANTY

## POLLEN BRICK PRESS OVERVIEW

Rositek develops two kinds of brick press, Manual and Bottle Jack type, to meet the different needs of the customers.

Picture	Model No.	Type	Platen Size	Power ( w )	Voltage ( v )
	MPP2	Manual	N/M	N/M	N/M
	PPM4	2- IN- 1 4-Ton Heat Press	3 x 5"	500	110

**DISCLAIMER**

This unit is intended for LEGAL use only, in accordance with your federal, state, and local laws, ordinances, and regulations.

## SAFETY PRECAUTIONS

The following precautions are provided to prevent harm or injury to yourself and others. Please make sure to thoroughly read, understand, and follow these precautions before using. After reading and familiarizing yourself with the equipment, store the manual in a safe place for future references.

### WARNING: Follow the warnings below.



- Use this product only as described in this manual.
- Keep the equipment out of the reach of children at all times.
- Unplug the heat press from the electrical outlet and let it cool down COMPLETELY before cleaning, performing maintenance, or repair.
- DO NOT operate the product after the appliance malfunctions or is dropped or damaged in any way.
- Clean the plates with isopropyl alcohol and wipe them dry with a clean cloth. Ensure both plates are completely dry before use.



- DO NOT leave any cords near a heat source.
- DO NOT handle a power plug or other components of the press with wet hands.
- DO NOT connect too many power plugs to the same power outlet.
- Remove dust around the plug and power cord with a clean dry cloth.
- DO NOT disassemble the press or make any modifications to the equipment without professional instructions.

## HANDLING PRECAUTIONS



- The press must be operated on a hard, level surface, away from its edges to prevent accidental tipping over.
- Always attach the power cord to the press first, then plug it into the wall outlet.
- To unplug the press, turn OFF the power switch, only then remove the plug from the outlet.
- DO NOT touch the press's hot surfaces. Use heat-resistant gloves or tools.
- Keep your hands and other body parts away from the moving parts to prevent injury.



- This press comes with a power cord that fits into a standard household 3-prong outlet (110V American market and 220V European market).
- DO NOT attempt to use the equipment with a two-prong electrical cord or any other way without proper grounding.
- DO NOT exceed the rated capacity.
- Always turn the machine OFF and unplug it when done using.

## UNPACKING

### UNPACKING PRECAUTIONS

**Keep the packaging materials (foam, plastic bags, etc.)**

It is designed to protect the product and should be used in case you need to return the device for repair or warranty maintenance in the future.  
DO NOT attempt to ship the device in different packaging materials.

### UNPACKING INSTRUCTIONS

1. Place the box on a large, sturdy, flat surface.
2. Open the box and remove the instruction manual and all parts that came with the press.
3. Remove the packaging materials and carefully lift the device out of the box.
4. Examine the device after unpacking for any damage. If found one, take a picture and contact Rositek at support@rositek.com immediately.

### ITEM CHECKLIST

Before starting, please make sure that the following items are included inside the machine. If anything is missing, contact ROSITEK support.

MPP2

**Manual Presser**

1. 1pc x Aluminum Frame.
2. 1set x Pollen Brick Mold.
3. 2pc x Lever Handle.
4. 1pc x User Guide.
5. 1pc x Tools bag.

PPM4

**2-IN-1 Presser**

1. 1pc x Heat Press.
2. 1set x Pollen Brick Mold.
3. 1pc x Jack Handle.
4. 1pc x Power Cord.
5. 1pc x User Guide.
6. 1pc x Tools bag.
7. 1pc x Silicone Mat.

### RECOMMENDED PARTS

The following items are recommended to successfully press and pre-serve the optimal yield:

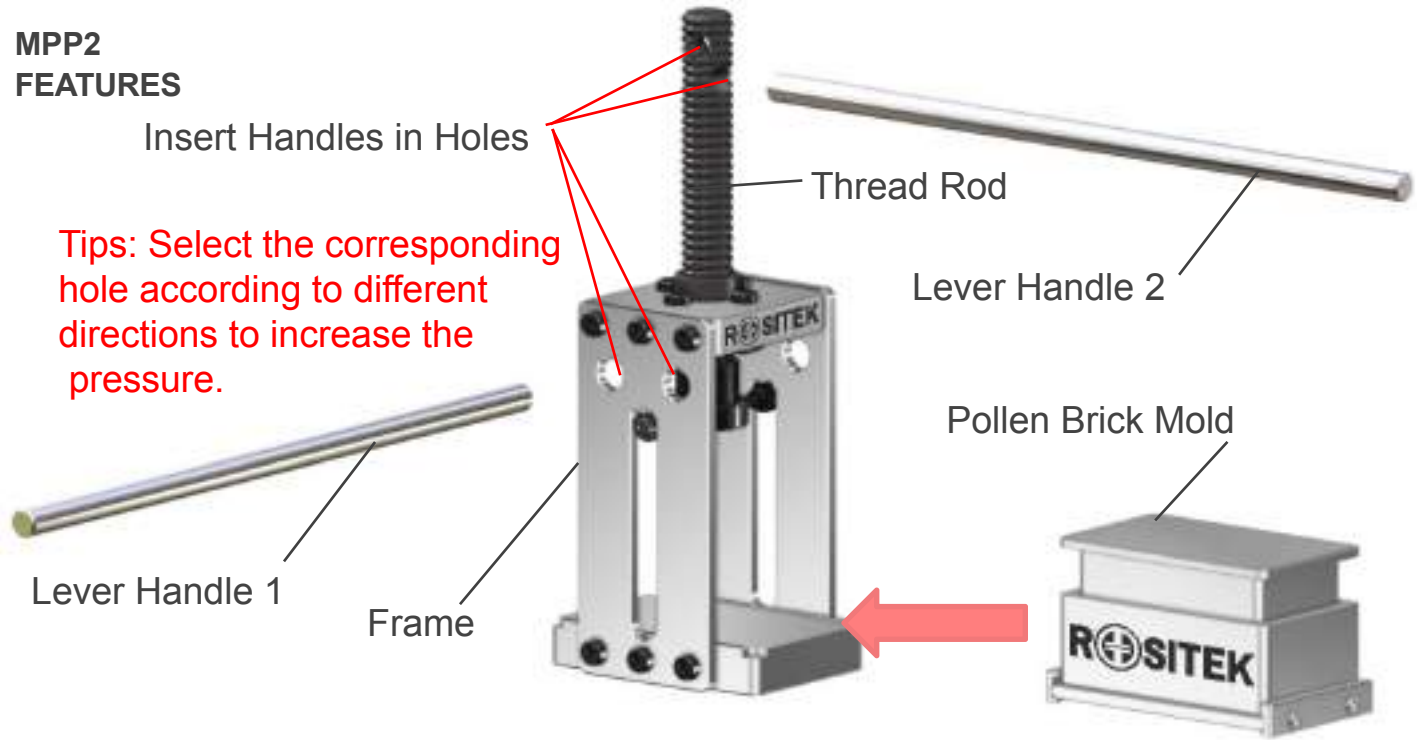
1. Parchment paper sheets.
2. Filter bags.
3. Collection tools.

# GETTING FAMILIAR -- MPP2

## MPP2 FEATURES

Insert Handles in Holes

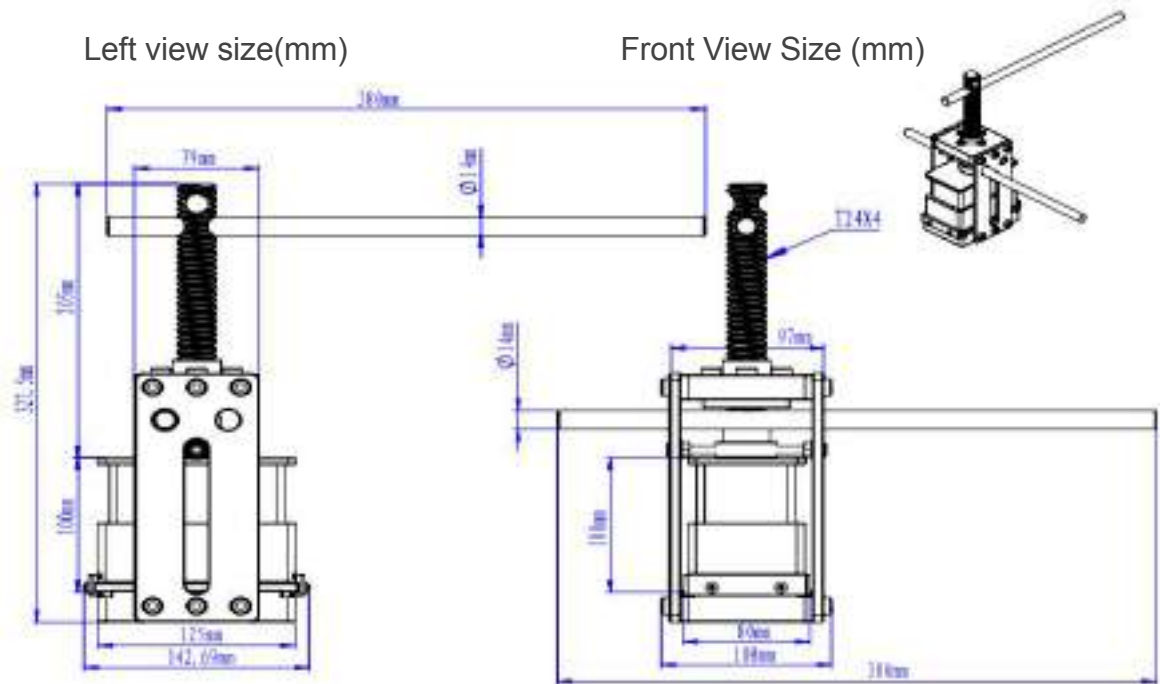
Tips: Select the corresponding hole according to different directions to increase the pressure.



## MPP2 PRODUCT SIZE

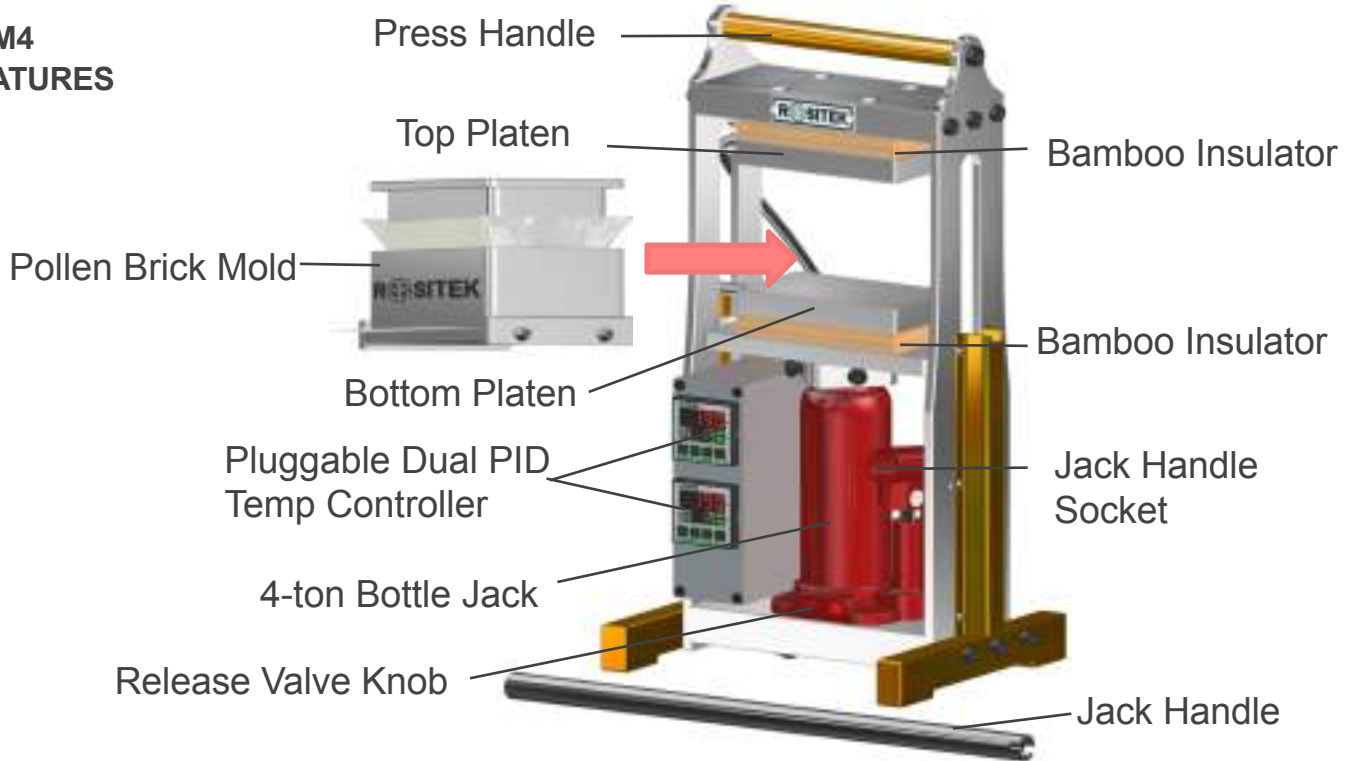
Left view size(mm)

Front View Size (mm)



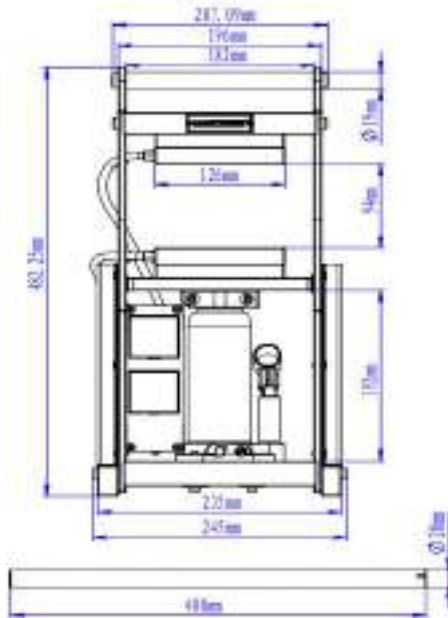
# GETTING FAMILIAR -- PPM4

## PPM4 FEATURES

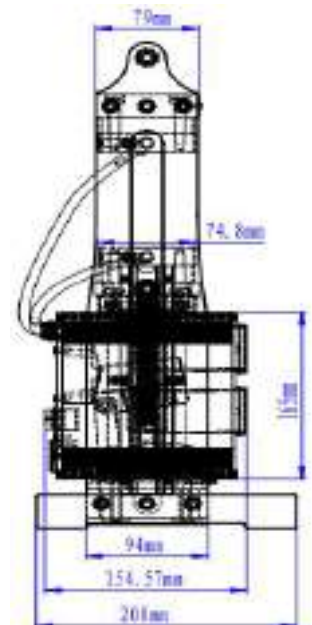


## PPM4 PRODUCT SIZE

Front View Size (mm)

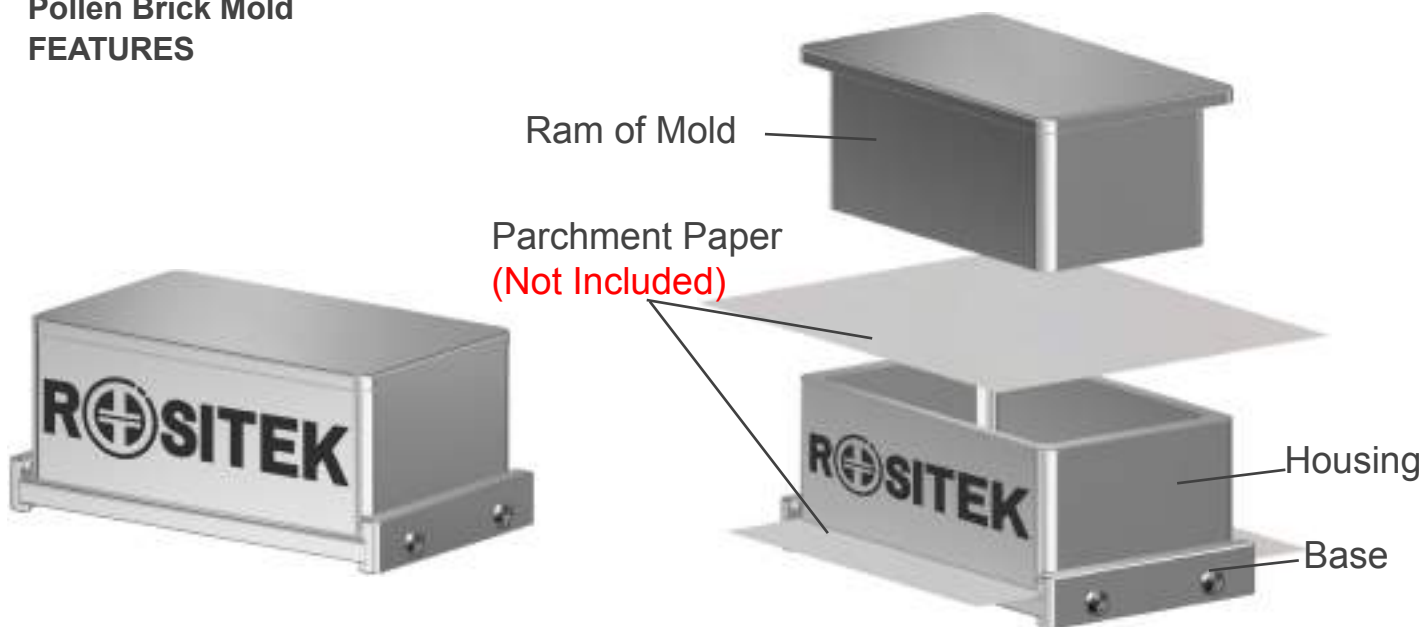


Left view size(mm)



# GETTING FAMILIAR -- POLLEN BRICK MOLD

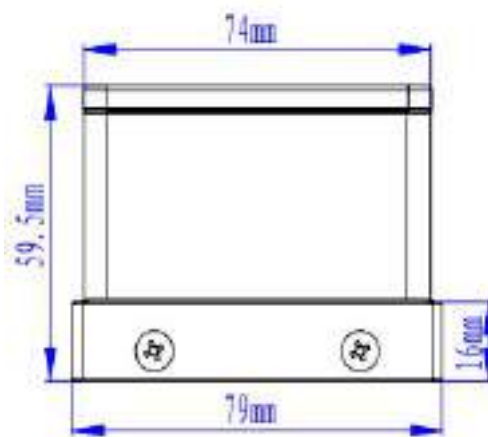
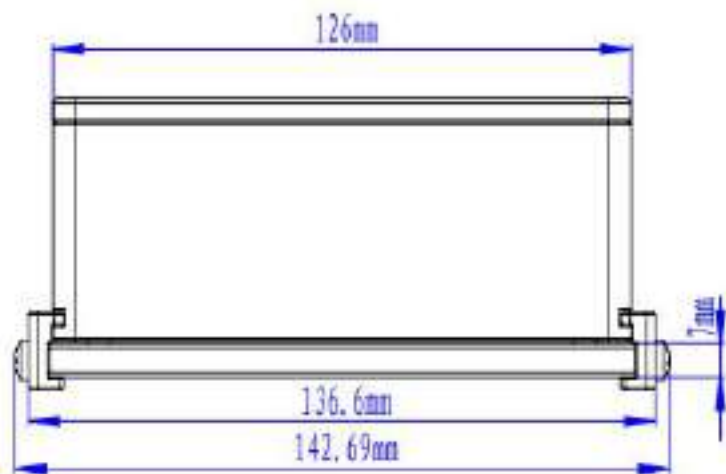
## Pollen Brick Mold FEATURES



## Pollen Brick Mold PRODUCT SIZE

Front View Size (mm)

Left view size(mm)





## OPERATING INSTRUCTIONS

### Loading Materials

1. Prepare materials you wish to make.
2. Take out the mold ram, and separate the housing and base.
3. Put a piece of parchment paper through the U-shape grooves on both ends of the base.
4. To align the U-shaped grooves at both ends of the housing with the base and push it inward until it is stuck so that the base will not fall off.
5. To load materials into the mold, press it down. Flatten it out on the top after full to make sure the material is distributed evenly.
6. Put the second parchment paper on the top.
7. Set up the ram of mold.

**Tips:** The recommended size of parchment paper is width 126mm and length larger than 80mm to prevent it from sticking.

### Pressing with MPP2 Manual Presser

1. After loading material inside of the pollen mold.
2. Push the mold in-between the base of press and the threaded rod of the press and make sure it installs completely.
3. Rotate the lever handles clockwise, and you can select the corresponding hole according to different directions to increase the pressure, until no more pressure can be applied.
4. Rotate the lever handles counterclockwise to get the mold out of the machine.



**Tips:** Capable of Being Heated - The mold made of 6061 aluminum always transfers and retains heat to melt the materials, so you can pre-heat the mold or materials before loading complete or heat up the mold with hot water/another method after loading the materials.

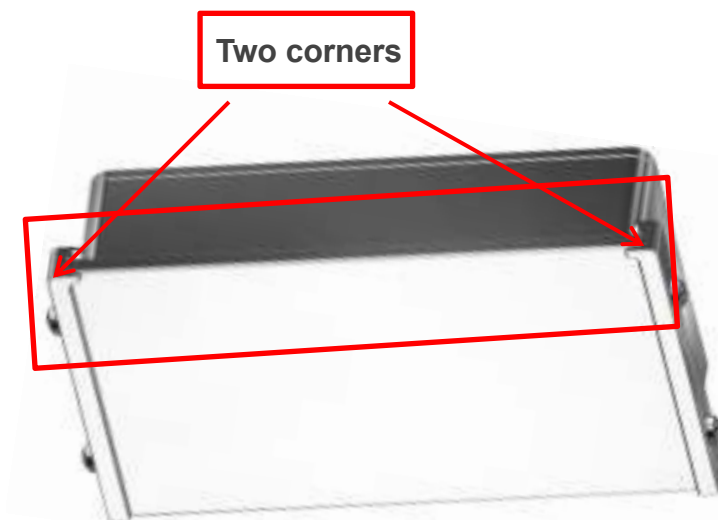
## OPERATING INSTRUCTIONS (continued)

### Pressing with PPM4

#### 2-IN -1 Presser

#### Step for Creating Birck

1. Insert the included power cord into the power cord socket and then plug the other end into an electrical outlet.
2. Turn the knob clockwise until it is firmly closed to seal the release valve.
3. Flip the ON / OFF switch to turn the press on. The PID temp controller and the power switch both become lit.
4. Press the PID control panels to set the desired temperature (About how to set the temperature, please refer to [Page 11](#)) .
5. Wait until the platens heat up to the desired temperature.
6. Align the side without two corners on the bottom with the bottom plate, push it inward to the end. The plate and the mold are exactly flush. **Pay attention to the directions of the bottom of the mold's base.**
7. Pump the jack handle until you can no longer pressure applied.
8. Turn the valve knob counterclockwise to release the press and lower the bottom platen.
9. Remove the press mold using heat resistant gloves or tools.
10. Take out the brick. If get stuck, you can use a small rubber hammer or wooden stick to hit the two corners on the bottom of the mold.
11. Turn the machine off by flipping ON / OFF switch when done pressing.
12. Unplug and then disconnect the power cord from the press.
13. Wait until the press cools down completely to clean and store it.



## OPERATING INSTRUCTIONS (continued)

---

### Step for Pressing Material

1. Insert the included power cord into the power cord socket and then plug the other end into an electrical outlet.
2. Turn the knob clockwise until it is firmly closed to seal the release valve.
3. Flip the ON / OFF switch to turn the press on. The PID temp controller and the power switch both become lit.
4. Press the PID control panels to set the desired temperature (About how to set the temperature, please refer to [Page 11](#)).
5. Wait until the platens heat up to the desired temperature.
6. Place the prepared materials in the center of the bottom platen.
7. Pump the jack handle to lift the bottom platen up. Continue pumping until the desired pressure is reached.
8. Turn the valve knob counterclockwise to release the press and lower the bottom platen.
9. Remove the pressed material using heat resistant gloves or tools.
10. Remove the jack handle from the jack handle socket.
11. Turn the machine off by flipping ON / OFF switch when done pressing.
12. Unplug and then disconnect the power cord from the press.
13. Wait until the press cools down completely to clean and store it.

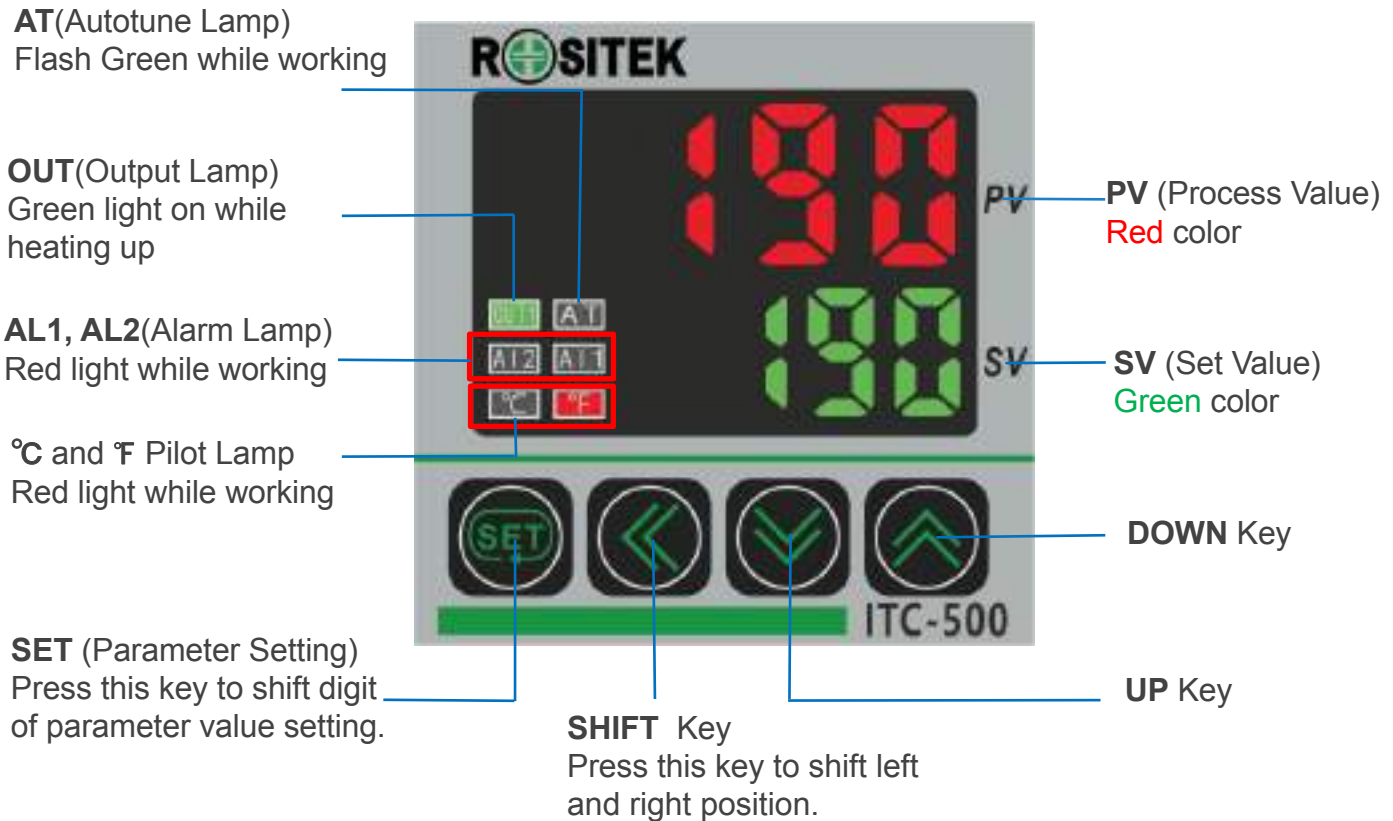
---

### CLEANING PRESS PLATES

1. Make sure the press plates are completely cooled down before cleaning.
  2. Apply a small amount of alcohol to a clean cloth and wipe down the plates until clean. Use rubbing alcohol that contains at least 80% by volume of isopropyl alcohol.
  3. Wipe plates with a dry clean cloth.
  4. Repeat these steps for cleaning all associated tools.
-

## OPERATING INSTRUCTIONS (continued)

### PID CONTROLLER INSTRUCTION FOR PPM4



**Please follow the steps below to record the desired settings:**

1. Use "SHIFT" key to shift left and right position.
2. Press "UP" and "DOWN" keys to set the desired temperature.
3. Press "SET" key to record all control panel's setting. The platens start heating, and PV is now displayed on the screen.

## OPERATING INSTRUCTIONS (continued)

### PID DEFAULT PARAMETERS FOR PPM4



AL1=0030



ATU=0000



P=0030



I=0240



d=0060



Ar=0080



T=0002



5C=0000



LCk=1000

**Tips: We do not recommend changing the internal parameters, it will cause a lot of problems. Once a problem occurs after the modification, please set the default setting back as below steps:**

1. Hold the "SET" key over 5 seconds to activate the controller.
2. Press the "SET" again to switch parameters.
3. Press the "SHIFT" key to switch between the hundreds, tens, and ones place.
4. To set the parameter with the key of "down" or "up".
5. Please ensure all parameter is the same as above value.
6. Hold the "SET" key over 5 seconds to exit the setting mode.

## TROUBLESHOOTING

---

### How to Replace the Bottle Jack?

The instruction is applicable to bottle jack styled heat press machine that needs to replace the jack step by step:

1. Loose the bolts under the base and on the collar if includes.
2. Ask someone to help you lift up the heated plates.
3. Remove the bottle jack.
4. After loading the replacement. If the replacement offers a thread, please pre-install the screws and nuts (do not tightened it).
5. Lift the bottle jack till dual heated platens touched, and then adjust the dual heating plates to align with each other.
6. Lift up the bottom heated plate harder, tighten all bolts at the end.

#### **Tips:**

We tighten the original jack on the base to ensure that the upper and bottom heating plates are aligned. You have no need to drill and tap a thread to a new replacement, but make sure center mounted for alignment to the base.

---

### Bottle Jack Does Not Hold Pressure After Receiving It, How to Fix It?

Step1 - Please check release valve and ensure the release valve closed tightly.

Step2 - The pressure is still not well maintained after step1, please remove the red plastic cap located at the bottom of jack (next to the release valve), and rotate no more than 30 degrees clockwise to increase the pressure of the jack.

#### **Tips:**

This is normal if you are able to continue applying pressure (You have to press down handle very harder), it means that the rated pressure of the jack has been exceeded (overload condition), and sounds air escaping.

If you can't fix it after trying, please share a video at [support@rositek.com](mailto:support@rositek.com) for further support.

## TROUBLESHOOTING (continued)

---

### How to Replace PID Module?

1. Unplug the power cord from the rear of the temperature control box.
2. Turn the temperature control box upside down to access the locking mechanism on the front of the PID module housing face.
3. Use a dab tool or small flathead screwdriver to depress in on the locking mechanism at the front of the PID housing face.
4. While depressing the locking mechanism, simply slide out the front of the box, the PID module from the housing (there will be 2 circuit boards exposed).
5. Install the replacement PID module received (remove it from the included housing first).
6. Once the PID module is installed and locked into place, turn the temperature control box right side up.
7. Reinstall the power cord into the rear of the temperature control box.
8. Turn on both power sub-switches and main power.

## WARRANTY

---

We provide **One Year Warranty**. Please contact Rositek at [support@rositek.com](mailto:support@rositek.com) immediately of any issues with the product. We will attempt to troubleshoot the product and solve your issue in a timely manner.