



HEAT PRESS

MODEL No: RNP4

USER GUIDE AND TROUBLESHOOTING

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INTRODUCTION

Rositek RNP4 is a complete 4-ton hydraulic extraction press machine. It provides simple operation and replaceable parts for long-term service life. It combines of a very durable frame, 4-ton jack and pluggable PID temp controllers.

READ BEFORE OPERATING MACHINERY Read this manual carefully to ensure you use the press correctly. After reading and familiarizing yourself with the equipment, store the manual in a safe place for future references.

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 the product.

If product is damaged, appears to be damaged, or malfunctions, contact Rositek customer service at support@rositek.com

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.
- Work area must be kept clean, tidy, and free of obstructions to the press moving parts.
- 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.
- Contact ROSITEK at support@rositek.com if the equipment does not start.
- Always turn the machine OFF and unplug it when done using.

UNPACKING

UNPACKING PRECAUTIONS

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

It is designed to hold the weight of the product and should be used in case you need to return the equipment for repair or warranty maintenance in the future.

DO NOT attempt to ship the press in a different packing 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 press out of the box.
4. Examine the heat press 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 with your press machine. If anything is missing, contact ROSITEK.

1. 1pc x Rositek RNP4 Heat Press.
2. 1pc x Jack Handle.
3. 1pc x Power Cord.
4. 1pc x User Guide.
5. 1pc x Tools bag.
6. 1pc x Silicone Mat.

RECOMMENDED PARTS

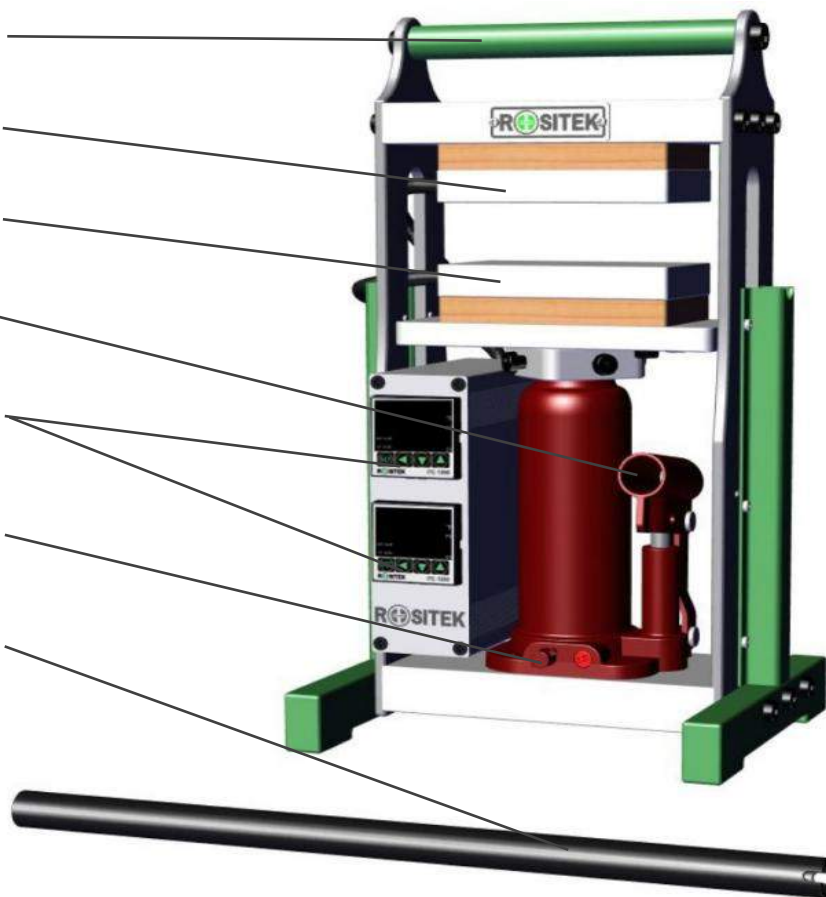
The following items are recommended to successfully press and preserve the optimal yield:

1. Parchment paper sheets.
2. Filter bags.
3. Pre-press mold.
4. Collection tools.

GETTING FAMILIAR

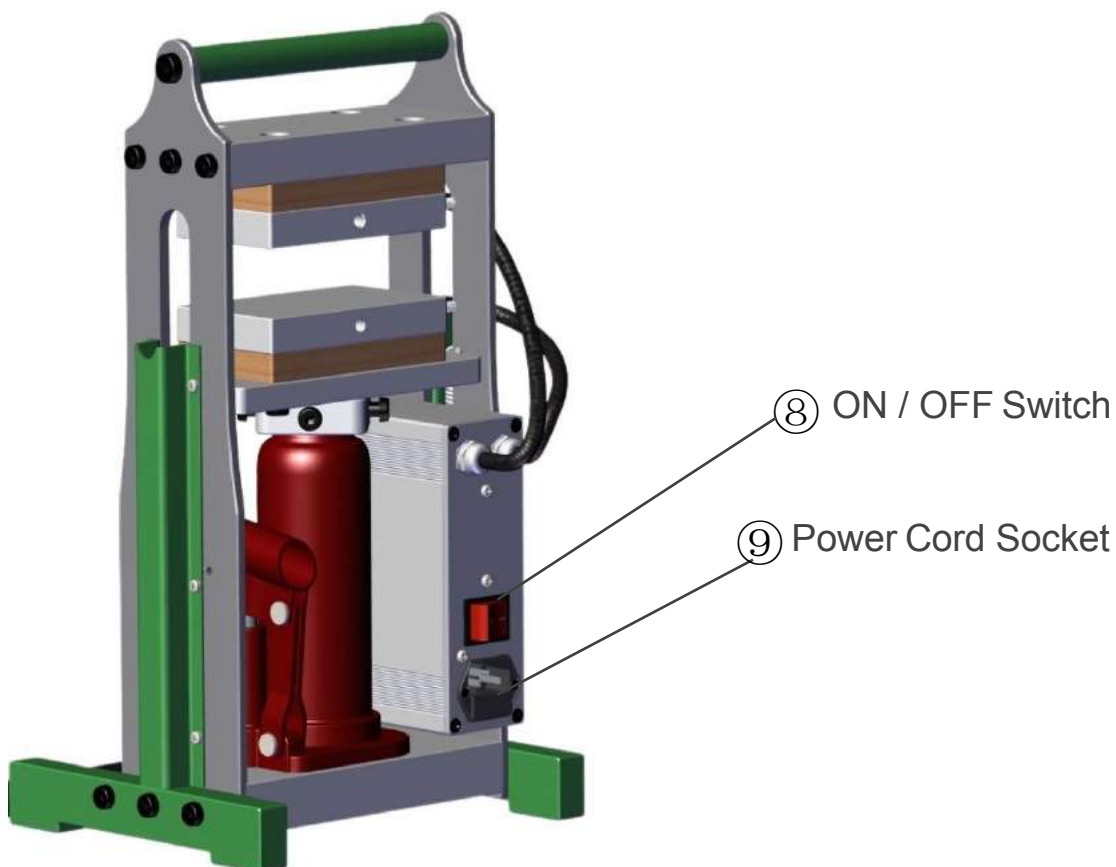
RNP4 PRESS FEATURES AND CONTROLS - FRONT

- ① Press Handle
- ② Top Platen
- ③ Bottom Platen
- ④ Jack Handle Socket
- ⑤ Pluggable PID Controller
- ⑥ Release Valve Knob
- ⑦ Jack Handle



GETTING FAMILIAR (continued)

RNP4 PRESS FEATURES AND CONTROLS - BACK



OPERATING INSTRUCTIONS

PREPARING PRESS

1. Prepare materials you wish to press.
2. Make sure the press stands on a flat sturdy countertop.
3. Ensure the press is clean and free of residue or dust buildup.
4. Make sure all switches and controls are turned OFF.
5. Insert the included power cord into the power cord socket ⑨ and then plug the other end into an electrical outlet.
6. Turn the knob ⑥ clockwise until it is firmly closed to seal the release valve.

OPERATING INSTRUCTIONS (continued)

STARTING PRESS

1. Flip the ON / OFF switch (8) to turn the press on. The two pluggable PID temp controller (5) and the power switch both become lit.

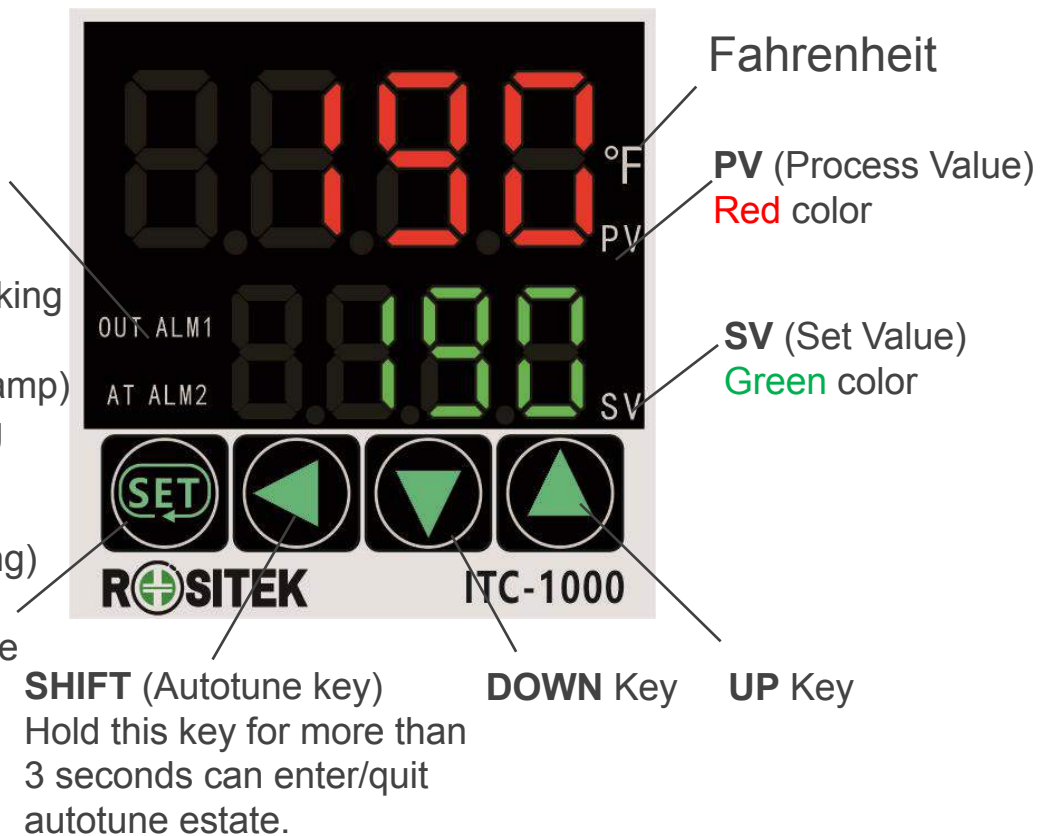
PID CONTROLLER INSTRUCTION

OUT(Output Lamp)
Green light on while heating up

AT(Autotun Lamp)
Flash Yellow while working



ALM1, ALM2(Alarm Lamp)
Red light while working

SET (Parameter Setting)
Press this key to shift digit of parameter value setting.






SETTING CONTROL PANEL


The two control panels (5) are used to set temperature for the top and bottom platens. Please follow the steps below to record the desired settings:

1. Press Set  key on the control panel to the temperature setting for SV.
2. Use Shift  key to shift left and right position.

OPERATING INSTRUCTIONS (continued)

SETTING CONTROL PANEL (continued)

- Press Up  or Down  keys to set the desired temperature.
- Press Set  key once more to record all control panel's settings. The platens start heating, and PV are now displayed on the screen.

Tips: We do not recommend changing the internal parameters, it will cause a lot of problems. Once a problem occurs after the modification, please hold SET  key more than 4 seconds to change back to the default as below.



AL1=0015



P=0030



I=0240



d=0060



Ar=0100



T=0003







Pb=0000



LCk=0000

PRESSING

- Wait until the platens heat up to the desired temperature.
- Place the prepared material in the center of the bottom platen.
- Pump the jack handle  to lift the bottom platen  up. Continue pumping until the desired pressure is reached.
- Turn the valve knob  counterclockwise to release the press and lower the bottom platen .
- Remove the pressed material using heat resistant gloves or tools and exercising extreme caution.

OPERATING INSTRUCTIONS (continued)

- TURNING OFF PRESS**
1. Remove the jack handle ⑦ from the jack handle socket ④.
 2. Turn the machine off by flipping ON / OFF switch ⑧ when done pressing.
 3. Unplug and then disconnect the power cord from the press.
 4. Wait until the press cools down completely to clean and store it.

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- 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.

TROUBLESHOOTING

How to Replace the Bottle Jack?

The instruction is applicable to bottle jack styled heat press machine that need 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 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.

TROUBLESHOOTING (continued)

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 with us for the further support.

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 flat head 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.
 9. Retest for the issue.
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MORE INFORMATION

Please see our website for more tips, innovations, industry news, and promotional discounts.

TECHNICAL SPECIFICATIONS

PARAMETER	USA MARKET	EU MARKET
Model	RNP4	RNP4E
Press Force	4 Ton/ 8900 lb	
Power	500 W	
Current	4.5 A	2.3 A
Voltage	110 V	220 V
Frequency	50 / 60 Hz	
Dual Heating Plates	Yes	
Platen Size	3 x 5 inch / 76 x 127 mm	
Temperature Range	up to 400 °F	
Certifications	CE / RoHS	