

MANUAL PRESSES - CONVEYOR DRYERS - EXPOSURE  
FLASH DRYERS - WASHOUT BOOTHS - JOB CARTS - SCR  
RACKS - SUPPLIES - COMPLETE SHOP PACKAGES - TURN  
KEY SHOP PACKAGES - BENCHTOP PRESSES - LIGHT TAB  
AUTOMATIC PRESSES - MANUAL PRESSES - CONVEYOR D  
FLASH DRYERS - WASHOUT BOOTHS - JOB CARTS - SCR  
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# **RANAR**

**Manufacturing Co., Inc.**

**P4400 ENTRY LEVEL PRESS**

**NON MICRO**

**OWNER'S MANUAL**

**149 LOMITA STREET, EL SEGUNDO, CA 90245**  
**800-421-9910 - FAX: 310-414-4133 - e-mail: [sales@ranar.com](mailto:sales@ranar.com)**

## IMPORTANT UNIT INFORMATION

This unit's Model No. is: \_\_\_\_\_

Date Sold: \_\_\_\_\_

Sold by: \_\_\_\_\_

For more information or for additional help you can contact us at:

1-800-421-9910 or [support@ranar.com](mailto:support@ranar.com)

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## WARRANTY

- 3 years on the mechanical parts
- 2 years on the heating elements
- 1 year on electrical parts

Warranty is limited to parts only. **Labor is not included.** Parts under warranty need to be returned to Ranar for inspection **before** replacement part is shipped.

Shipping will be covered inside the continental U.S. by UPS ground only and will be subject to inventory on hand. Any expedited service will be at customer's expense.

**This warranty is not transferable and only covers the original owner.**

Send defective part to:

Ranar Manufacturing Co. Warranty Repair 149 Lomita St. El Segundo, CA 90245 U.S.A.
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# ASSEMBLY

The P4400 is a basic, entry-level four color, four station unit for screen printing of T-shirts, garments, and textiles in general.

For the best shipping prices possible, your unit ships in multiple boxes, completely unassembled and will require about an hour and a half of your time to prepare for proper operation.

## Hardware provided



- $\frac{1}{4}$ -20 hex head bolts 5/8" long
- $\frac{1}{4}$ -20 keps nuts, and
- $\frac{1}{4}$ " flat washers.

## Tools required

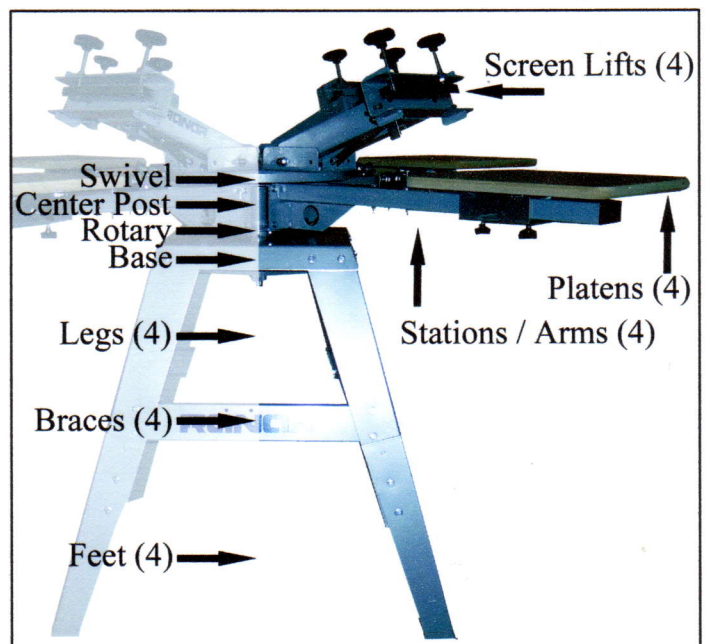
- 7/16 wrench (10mm)
- Adjustable crescent wrench or Pliers
- 7/16 socket wrench (ratchet) (10mm)
- 7/16 nut driver (10mm)

### Step 1.

#### **Unpack and ID**

Carefully open the four boxes; identify all of the main parts of your press and unpack. Take care not to lose and/or discard any of the parts with the packing materials.

Please see picture for reference. Hardware will be packed in small bags; not identified in picture.



## Step 2.

### Prepare Base, Index Pin and Legs

Begin working on a work bench, a table or another sturdy surface. Insert the index pin into the guide hole on the base. You may adjust the tension on this index pin later.

Place the base upside down, and using the hardware provided, begin attaching the four legs. Leave a little slack on the bolts, but do not over tighten; you will tighten these later.



## Step 3.

### Attach Leg Braces and Feet

Next, you will attach the leg braces across the first set of guide holes on the unit legs. Again, be sure the leave slack for adjustment later.

Then, repeat the same process with the unit's feet. Once these are in place and everything is secure with the hardware provided, you may turn over the printer stand. Ensure that everything is level, and tighten.



## Step 4.

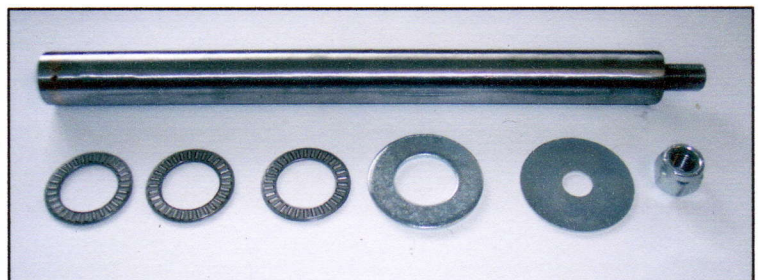
### Center Post, Rotary, Swivel and Arms

Slide the center post into place, threaded end up, and push in until it reaches bottom. Use the set screws on the top and bottom to secure.

Grab the rotary section, and affix the index brackets to the bottom side. Slide a roller bearing into the center post and slide the rotary section in with the index brackets facing down.

Before attaching the swivel, add the arms/stations into place using the hardware provided.

Now, slide another roller bearing into place, followed by the 4 color swivel, followed by another roller bearing. Slide on a 1" washer, then a 1/2" fender washer, and top off with the center post nut. Tighten the nut so as to take off excess slack, but not so much that the rotary and the swivel do not move.



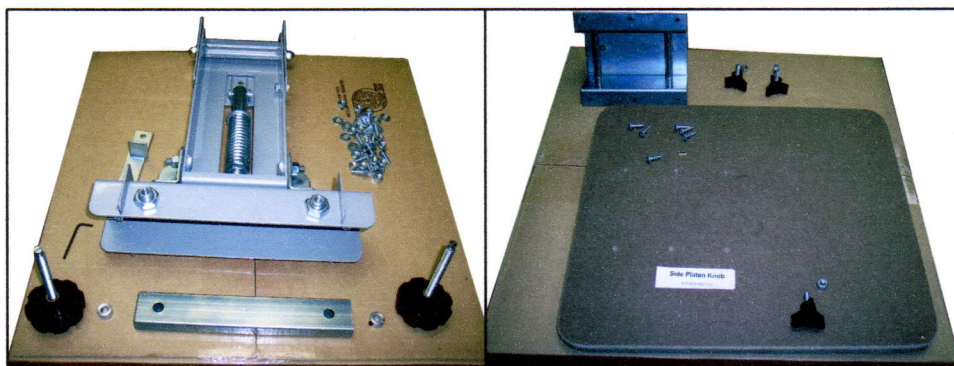
### Step 5. **Platen & Screen Lift Assembly**

Your platens and screen lifts will be unassembled when you receive them. Now, you will assemble them before completing your press assembly.

Line up your platen bracket with the platen's pre-drilled holes; make sure that the side knob guide hole is on the side indicated on the platen. Check that your bracket is squared and secure with the screws provided. Now, insert the platen knobs and tighten. Repeat process with all 4 boards.

Next, you will assemble the screen lifts. Insert the clamp knobs into the threaded guides. Place the clamp bar into place, and slide the shaft collars into the bottom of the clamp knob through the side of the clamp bar.

Once this is done, slide the T-shaped index key into place. The top of the key should sit above the bottom side of the screen lift, with the bottom of the index key hanging out. Secure with the hardware provided.



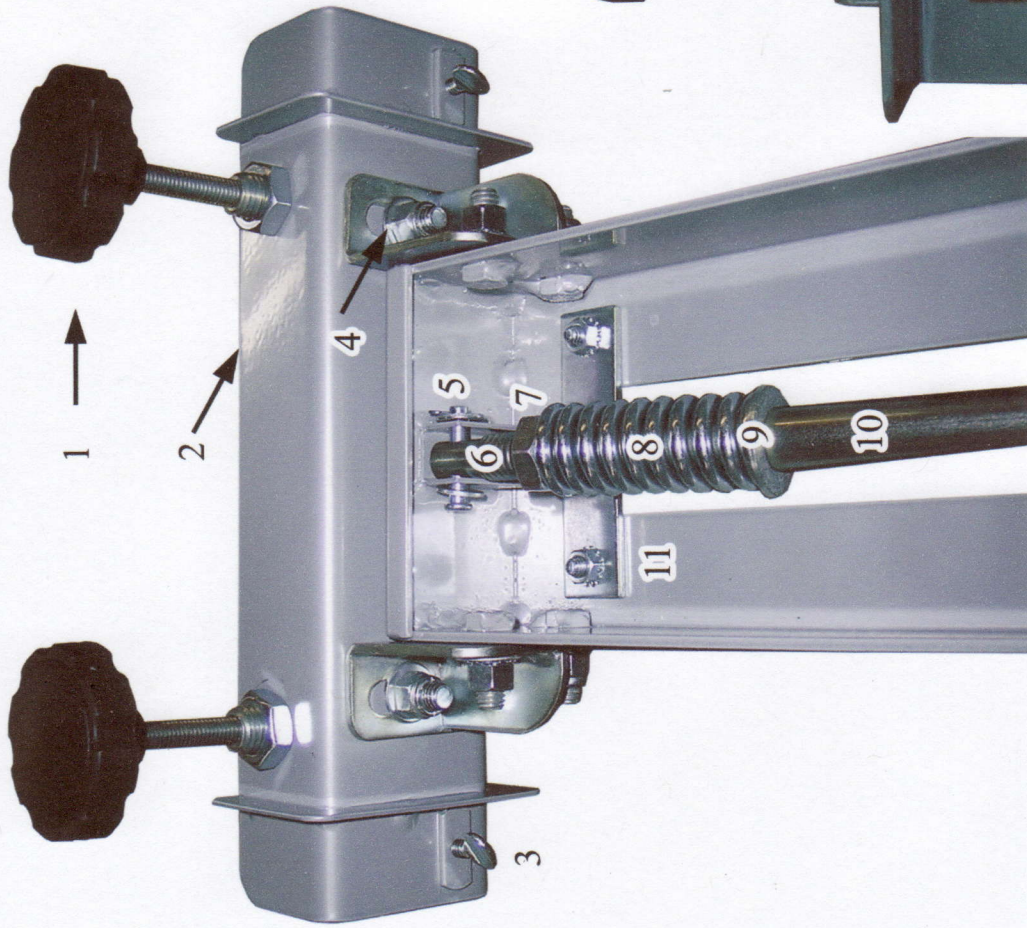
### Step 6. **Attach Platens & Screen Lifts**

Slide your platens onto the stations (bracket end first); always tighten the side platen knob first. Tighten the other two and repeat the process with the remaining platens.

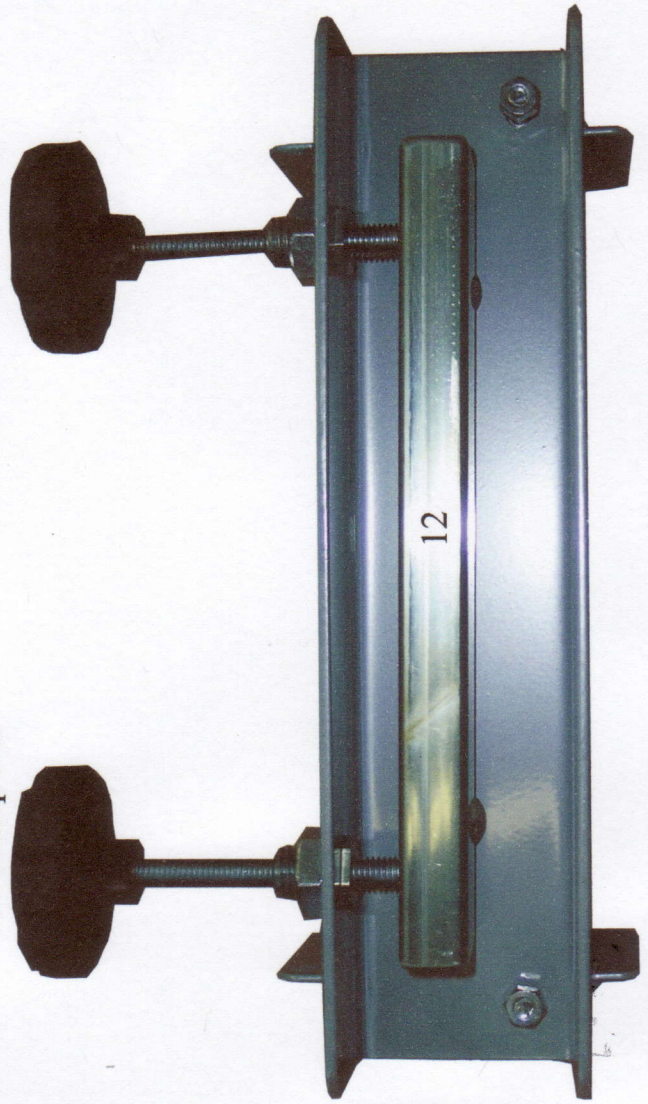
Now, mount the first screen lift onto any of the base pads on the swivel. Line up the three holes on the lift with the holes on the pad and secure using the hardware provided. Be sure to tighten each nut and bolt. Repeat this process with every screen lift.

**WARNING:** Please note that for your safety, each lift has a security bolt on the right side near the base of the lift. Remove these bolts carefully before you attempt to pick-up the screen lifts.

## SCREEN LIFT PARTS LIST



1. Clamp Knobs w/ Shaft Collar
2. Screen Support
3. Thumb Screw
4. Off Contact Adjust.
5. Clevis Pin
6. Swing Bolt
7. 5/8-11 Jam Nut
8. Lift Spring
9. 5/8 Washer
10. Swing Bolt Tube
11. Index Key
12. Clamp Bar



## **SET-UP**

Once your unit has been assembled, it will be important that you take a few minutes to set it up to ensure your unit works properly.

### **LEVELING SCREEN LIFTS**

1. Check that off contact stops are lowered for set-up and do not interact with the screen lift at this time.
2. Drop one of your screen lifts into place, and check to see that the index key is engaging the bearings on its way down. Both bearings should roll as the key drops into place, and roll again as it rolls out. Also, check to ensure that the bolts from the bottom of the index key do not hit the bearings and stop the screen lift from coming all the way down.
3. Mount a screen into place, clamp it down and check that it is level with the platen. If the screen angle is tilted, loosen the screen angle adjustments and manually correct until the screen is level.
4. Pick up your screen lifts, and use the 5/8-11 Jam Nut to adjust the spring tension to your desired position.

### **OFF CONTACT**

After leveling your screens, and with the screen lift down, bring the off contact stops up so that they touch the screen lift but do not push up. Do this for all arms.

You will be able to complete most jobs with your off-contact set at this position, but some will require additional off contact. There are two ways to accomplish this, and both can be used according to printer preference.

1. For a quick off-contact adjustment, simply raise the off contact stops to the desired position. This will raise the screen off the platen. By using this method, the angle of your screen at the front may change and become greater than the angle at the back of the screen. You may use the screen angle adjustments on the lift head to correct this if desired.
2. You may also adjust the off-contact by placing a piece of cardboard, as thick as the desired off-contact, on the platen. Then, use the off-contact adjustment bolts on the screen lift to move the whole screen clamp up. These bolts may also be used to correct and line-up warped screens. This will give you even off contact.

### **MAINTENANCE**

Follow a few basic recommendations to keep your press working properly.

1. Regularly check that all the index bearings engage as the index key comes down. Any slop in this area will affect your registration.
2. Spray lubricant on the center post bearings, rotary bearings, screen lift axles, swing bolt tube as well as using light lubricant on the clamp knob thread.
3. Clean the press periodically and keep it clean of spray adhesive. Excess spray adhesive may cause problems if allowed to accumulate on the different parts of the screen lifts.