

# Owner's Manual



## FOUR ROW COIN COUNTER WITH AUTO ADVANCE



FS-44P

Thank you for purchasing the Royal Sovereign Four Row Coin Counter with Auto Advance - FS-44P. This manual will provide you with safety information, instructions for optimal use, and proper care and maintenance for your product. Please read this manual carefully before operating.

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## SAFETY INSTRUCTIONS

When using this machine follow these basic safety precautions to reduce risk of fire, electric shock, or injury.

### WARNING

1. Plug the power cord into a properly grounded wall outlet. Do not alter the electric plug in any way.
2. Do not use the machine if the power cord is damaged. This may result in electric shock, fire, or other hazards.
3. Do not place the machine in an area where it may be exposed to water or other liquids.
4. To reduce the risk of electrical shock, do not take apart the machine. When service or repair is needed bring to a qualified service repair technician.
5. When unplugging the power plug, grip the plug to pull it out. Pulling the cord may result in electric shock, fire, or damage to the machine.
6. Do not place objects on the power cord and do not bend it excessively. This may result in electric shock, fire, or other hazards.

### CAUTION

1. Before cleaning the machine, unplug the machine from the wall. Do not use liquid or aerosol cleaners on the machine.
2. Do not use the machine in areas with high temperature or high humidity. This may result in the machine not working properly. This machine works best at room temperature.
3. When not using the machine for long periods of time, unplug the machine from the outlet and close the front cover.

Read & Fully Understand This Owner's Manual Before Using This Machine.

## BOX CONTENTS



Coin Counter



Coin Wrapper Starter Pack

## PRODUCT VIEW

1. COIN HOPPER
2. LCD DISPLAY
3. CONTROL PANEL
4. COIN TUBES
5. TUBE TRAY
6. FRONT COVER



## QUICK START GUIDE

1. Plug the power cable into the wall power outlet.
2. On the side of the machine, flip the power switch to power on (A).
3. Open the front cover and pull out the coin tubes.
4. Insert pre-formed coin wrappers into the corresponding coin tubes (B).
5. Push the tube tray back to the proper position.
6. Press the "RUN/STOP" button to start coin counting (C).
7. Place the loose change into the hopper.



**A**



**B**



**C**

**For More Detailed Instructions, Go To Page 6**

## FRONT PANEL



Option A



Option B

### RUN / STOP

Press the "RUN / STOP" button to start and stop the machine.

### # / \$ (Value Counting Feature)

Once the machine is turned on, by default the display will show the individual coin count view (OPTION A). Press the "# / \$" button to switch to the individual dollar amount view (OPTION B). This feature can be changed at any time during the coin counting process. Selecting this button will not interrupt the coin counting process.

### CLEAR

Press the "CLEAR" button to reset the display and set the numbers back to zero.

### PRINT

Press the "PRINT" button to print a coin count receipt (optional printer required).

## PRODUCT OPERATION

1. Place the machine on a sturdy and level work surface.
2. Open the front cover.  
**NOTE:** DO NOT OPERATE THE MACHINE WITH THE FRONT COVER CLOSED. THIS MAY DAMAGE THE MACHINE. ALWAYS OPEN THE FRONT COVER BEFORE OPERATING THE MACHINE.
3. Pull out coin tubes. Place coin wrappers into the corresponding tubes. For accurate coin sorting, it is important that the coin wrappers be inserted all the way to the bottom of the tubes and that they do not extend above the top edge of the tube (you may operate the machine without coin wrappers).
4. Turn the power switch on, located on the back side of the machine.
5. When you are ready to start the coin counting process, press the "RUN/STOP" button.  
**NOTE:** You will hear a ticking sound. This is the Royal Sovereign Patented Anti-Jam technology working to ensure accurate counts and smooth operation.
6. Insert your loose change into the hopper.  
**NOTE:** DO NOT insert any foreign objects including: \$1 coins, non-US coins, damaged coins, clips, screws, paper, glass, and pins.  
**WARNING:** DO NOT PUT YOUR FINGERS INSIDE THE OPENING.



## PRODUCT OPERATION (CONTINUED)

7. As the machine is operating, you may insert more coins into the coin hopper.
8. Coins will automatically start sorting into the first row by denomination.
9. When a coin tube is full, the machine will stop temporarily to slide another coin tube into position and continue counting. When an entire row of one denomination is full, an alarm will sound and that row will automatically slide out.
10. Once full, take out the full coin tubes and replace them with empty coin wrappers. Return the tubes back into place, and push them back so that the machine can start sorting into the first row again.
11. The digital counter will reset for that coin denomination, but will continue counting and adding to the total dollar amount until the "CLEAR" button is pushed.
12. When you are finished sorting, press the "RUN/STOP" button to stop the machine and then turn off the machine using the power switch on the back side.





## COIN WRAPPERS


Royal Sovereign coin sorters can be used with or without coin wrappers. We recommend using coin wrappers to help with your coin organization. Royal Sovereign preformed coin wrappers easily slide into coin tubes for easy and hassle free coin wrapping. Once full, simply slide the full coin wrappers out of the tubes and crimp the top of the wrapper (SEE BELOW). Coin wrappers are the perfect solution for wrapping up your change and taking it to the bank.



## ONE TUBE COIN QUANTITY

COIN	QUANTITY	DOLLAR AMOUNT
Pennies	50	\$ 0.50
Nickels	40	\$ 2.00
Dimes	50	\$ 5.00
Quarters	40	\$ 10.00

# TROUBLESHOOTING

Symptom	Check
1. Motor does not run.	<ol style="list-style-type: none"> <li>1. Check that the power cord is plugged in.</li> <li>2. Check that the power switch is turned on.</li> <li>3. Push the 'RUN/STOP' button again.</li> <li>4. Check that the tube trays are positioned properly.</li> </ol>
2. There is a ticking sound.	The ticking sound is normal. This is the anti-jam device.
3. Coins are not sorting into tubes.  To retrieve problem items, unscrew Hopper Lid and remove Inner Vessel.	Foreign objects or bent, damaged, or sticky coins may cause the machine to jam: <ol style="list-style-type: none"> <li>1. Tap machine gently on the side to loosen jam.</li> <li>2. This unit is designed to resolve jams automatically, so wait about 15 seconds as the Agitation Screw and Running Vessel rotate forwards and backwards.</li> <li>3. If the machine is still not sorting, push the "RUN/STOP" button to stop sorting.</li> <li>4. <b>UNPLUG THE MACHINE:</b> Loosen the hopper lid screw with a coin (SEE IMAGE TO THE LEFT).</li> <li>5. Lift the hopper lid and remove the Inner Vessel, exposing the Running Vessel.</li> <li>6. Retrieve problem item and replace Inner Vessel.</li> <li>7. Screw the hopper lid back on and push the "RUN/STOP" button to start sorting again.</li> </ol>
4. Display shows ERR in total column.	Check that the tube trays are positioned properly. ERR1: In case of wrong positioning between trays and front sensor or front sensor malfunction. ERR2: In case of wrong positioning between trays and back sensor or back sensor malfunction. ERR3: In case of wrong positioning between trays and sensors or sensors malfunction.

## USING OPTIONAL PRINTER

The FS-44P has a printer port that allows for optional printing through a serial interface.

1. Connect both ends of the serial cable to the FS-44P and the printer.
2. Follow the operational instructions for setting up the thermal printer.
3. Press the "PRINT" button to print totals from the FS-44P display.



## SPECIFICATIONS

MODEL	FS-44P
Speed	Up to 312 coins/min
Motor Type	AC synchronous
Motor RPM	26 RPM
Power Consumption	5.5 W
Power Supply	120V / 50-60 Hz
Unit Weight	7.9 (lbs) / 3.6 (kg)
Unit Dimensions	7.7 x 13.4 x 10.2 (in) / 195 x 340 x 258 (mm)

## ONE YEAR LIMITED WARRANTY

**Royal Sovereign International, Inc.** warrants this product to be free from defects in material and workmanship for a period of one (1) year. This warranty is extended to the original purchaser only.

This warranty only covers products that are properly installed, properly maintained, and properly operated in accordance with the instructions provided. This limited warranty does not cover any failures or operating difficulties due to normal wear and tear, accident, abuse, misuse, alteration, misapplication, improper installation, or improper maintenance and service by you or any third party.

No returned product will be accepted without a Return Authorization number. To request a Return Authorization, please visit us at [www.royalsovereign.com](http://www.royalsovereign.com). All transportation costs for the return of damaged product or parts will be the responsibility of the purchaser. Return defective product, in original packaging, to the address below.

**Royal Sovereign International, Inc.** requires reasonable proof of your date of purchase from an authorized retailer or distributor. Therefore, you should keep your receipt, invoice, or canceled check from the original purchase. The limited warranty shall be limited to the repair or replacement of parts which prove defective under normal use and service within the warranty period.

**Royal Sovereign International, Inc.** (and its affiliated companies) SHALL HAVE NO LIABILITY WHATSOEVER TO PURCHASER OR ANY THIRD PARTY FOR ANY SPECIAL, INDIRECT, PUNITIVE, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above exclusion and limitations may not apply to you.

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