



# **Banknote Vacuum Counter**

## **Magner VC-3000**



# **USER MANUAL**

V1.0 20240229

This manual contains important information on safety measures and operational features of the Magner VC-3000 Vacuum Counter. Please read it carefully before operating your machine and keep it for future reference. While every effort has been made to include all features into this user manual, specifications stated may not reflect all features of the latest software versions. If you have any questions about your Magner VC-3000 Vacuum Counter and its operation, please contact with your local agent or at our website: [www.magnerinternational.com](http://www.magnerinternational.com).



**CHOKING HAZARD.  
SMALL PARTS.**

Not for children under  
3 years old



**WARNING: RISK OF  
ELECTRICAL SHOCK.**

This equipment is to be serviced  
by trained personnel only.



**DO NOT DISPOSE  
IN TRASH.**

Follow appropriate local  
electronics scrap procedures.



**WARNING:HAZARDOUS  
MOVING PARTS.**

Do not place fingers, hair,  
clothes, lanyards ...  
near moving parts.

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## **1. INTRODUCTION**

### **1.1 About the Magner VC-3000 Banknote Vacuum Counter**

Thank you for choosing the Magner VC-3000 Banknote Vacuum Counter. The Magner VC-3000 Banknote Vacuum Counter is a cash processing machine that is sophisticated, but simple to operate. It saves time and reduces counting errors by swiftly and precisely counting bundles of banknotes at the speed of 2.5second per bundle(100pcs) maximumly.

### **1.2 Important Safety Notes**

When using this product, basic safety precautions should always be followed, including the following:

- Do not use this product in areas where it may be exposed to water or any other liquids.
- Unplug this product from the wall outlet before cleaning. Use a damp cloth or air duster to clean the unit.
- To avoid the risk of electrical shock, do not disassemble this unit. Disassembling will expose you to dangerous voltages and other safety risks. Incorrect reassembly may cause electrical shock when the unit is subsequently used.
- Only use this product with the power cord supplied with it. Plug the power cord into a properly grounded wall outlet. Do not remove the grounding pin from the power cord. Failure to properly ground the unit can result in severe injury or fire.

- Make sure the device is placed on a flat surface. Do not operate the unit in areas with high temperature, humidity or smoke as these conditions may impede performance.
- This product is designed for indoor use in a well-ventilate environment. Keep the unit away from direct sunlight and strong magnetic fields which may interfere with the counterfeit detection sensors.
- When not using the unit for an extended period of time, disconnect the power cord from the wall outlet, and cover the machine with the provided dust cover.

### 1.3 Box Contents

- The Magner VC-3000 Banknote Vacuum Counter
- Power Cord
- User Manual

### 1.4 Product Specifications

Counting Method	Vacuum operated
Size of Countable Notes	Lengths:100-240mm Width:50-90mm
Main Display	Big LED 7 digits
Holder Capacity	Approx. 200 notes
Counting Speed	Approx. 2.5s, 3s, 3.5s, 4s/100 notes
Gross Weight	28kg(desktop)
Power Source	100-120V 60Hz or 220-240V 50Hz
Installation Environment	Temperature 0-35°C Humidity 20-90% RH

## 1.5 View of the Magner VC-3000 Vacuum Counter

1. Customer Display
2. Power Switch
3. Hopper Holder
4. Main Screen
5. Key Panel
6. Power Socket
7. RS-232 Port(Reserved port)



**FRONT VIEW**



**BACK VIEW**

## 1.6 Control Panel



Key	Functions
1. 0~9	Numeric keys for fast batch number settings.
2. CLEAR	Clear data.
3. ADD Button	Activates/Deactivates ADD function.
4. CHECK Button	Activates/ Deactivates bundle quantity check(100pcs) mode.
5. FREE Button	Activates/ Deactivates free counting mode.
6. BATCH Button	Activates/Deactivates BATCH function.
7. UV Button	Activates/Deactivates UV detection function.
8. SPEED Button	Select different counting speed.
9. RESET Button	Manually starts the count.

## 2. GETTING STARTED

### 2.1 Powering Up

Ensure the hopper is empty. Then, attach the provided power cable to the power inlet on the back of the machine. Make sure to plug the power cable into a three-prong outlet and turn on the power switch located on the upper left side of the machine.

The unit will load and conduct a self-check. The screen will display "0" when the unit is ready to operate.



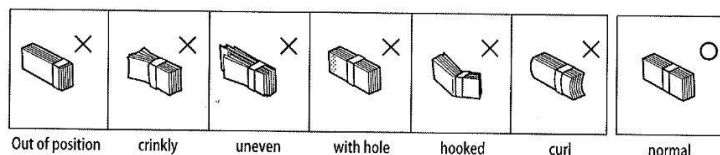
## 2.2 Banknote Loading

In order to avoid jams, it is important to correctly load bundle of banknotes on the hopper holder. Follow the 2-step loading technique below to ensure smooth banknotes feeding.

**WARNING: Hazardous moving parts!**  
Do not place fingers, hair, clothes, etc. near the moving parts.

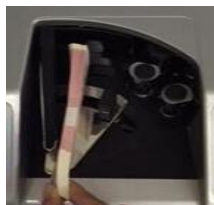
### STEP 1:

Check the bundle of banknotes, make sure they are placed in normal condition.



### STEP 2:

Load the bundle of banknotes to the hopper holder gently.



## 3. OPERATING MODES & FUNCTIONS

Function mode is set by pressing each function keys. When the unit is turned on, it will enter its last count mode automatically.

### 3.1 Check Mode

Under this mode, the machine will count and check if one bundle of banknotes is 100pcs(factory default set number).

The hopper holder will not open if the counted banknotes quantity is different from 100pcs, and at the same time the machine will give an

alarm.

Press the **RESET** button to clear alarm and get ready to count new bundle of banknotes. The hopper holder will open then.

### **3.2 Free Mode**

Under this mode, the machine will count freely and display the final quantity of banknotes on the screen.

Once counting finished, the holder will open automatically.

### **3.3 Batch Mode**

Under this mode, the machine will count and stop with alarm once it reaches to the preset batch number.

Press the **RESET** button to clear alarm and get ready to count new batch of banknotes. The hopper holder will open then.

You can set the batch number from 1-200pcs with the help of numeric keys on the left side of key panel.

### **3.4 ADD Mode**

Under this mode, the machine will count and accumulate all counting results on the main screen.

### **3.5 SPEED**

There are 4 speed selections in total: 2-5, 3-0, 3-5, 4-0. The detailed speed refers to below definitions,

1)2-5: Refers to counting speed at 2.5s/100notes. This speed is recommended for brand new banknotes;

2)3-0: Refers to counting speed at 3.0s/100notes. This speed is recommended for new banknotes;

3)3-5: Refers to counting speed at 3.5s/100notes. This speed is recommended for middle quality banknotes, and it is the factory's default set speed;

3)4-0: Refers to counting speed at 4.0s/100notes. This speed is recommended for poor quality banknotes.

## **4. DETECTION FEATURES**

### **4.1 UV Detection**

The Magner VC-3000 Vacuum Counter can identify the bundle of banknotes by UV detection. Due to the UV sensor position, it can only detect the banknotes by one corner, it can not check full banknotes.

## **5. MAINTENANCE, WARRANTY AND SERVICE**

### **5.1 Maintenance**

**ATTENTION: Always power off the unit and disconnect from power source before cleaning.**

Most operational problems can be avoided by regular care and preventative maintenance. Taking regular care of the Magner VC-3000 Vacuum Banknote Counter will significantly increase its lifetime. All parts of the Magner VC-3000 need monthly care and cleaning. Pay close attention to the sensors, which are delicate components. If dust or other foreign matter adheres to the sensors, it may cause various problems during operation of the machine. Dirty sensors can affect

the Magner VC-3000 Vacuum Banknote Counter's performance and cause genuine bills to be rejected. It is suggested that the user performs monthly maintenance on the unit to maintain top performance.

For best results, it is recommended to use an air duster and a soft bristle brush to remove any dusty or debris from the interior of the unit. When not using the machine for an extended period, cover it with the provided dust cover to prevent dust from settling inside.

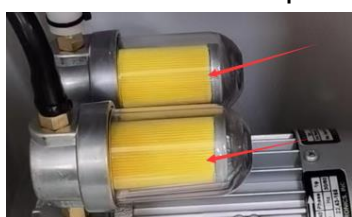
- To avoid malfunction caused by foreign objects, please clean your machine every month.
- Pull out the upper right black cap(red arrow) to find the interior filter, and then do the dust clean with gentle brush or dry cloth. Wash the filter with clean water, install it back after it get dried.



Filter



- Check and clean the dust around metal parts(blue arrow) if exists with brush.
- Clean the bottom pump filter dust with soft brush.



## 5.2 Warranty

The Magner VC-3000 Vacuum Banknote Counter is warranted for a period of one year from the date of purchase.

**In most cases a unit malfunction can easily be corrected by performing a thorough cleaning.**

- Customer should allow the manufacturer the time and opportunity to test and diagnose the machine to determine warranty and non-warranty claims.
- After receiving and unpacking the unit, customer shall keep the package and its user manual. Warranties are canceled in the event the device is transported in a non-original packaging or operation/maintenance conditions are not met.
- Company is not responsible for unit malfunction due to improper maintenance, storage, or transportation including, but not limited to mechanical damage.
- Manufacturer is entitled to introduce updated software, not described in the current user manual

### **Non-Warranty Service:**

The manufacturer can perform maintenance and cleaning for an extra fee. For a non-warranty repair or maintenance quotation, contact your local agent or our Technical Support team.

### **Warranty service is not available in the following cases:**

- Cleaning of the unit from dust and mud.
- Operation or maintenance rules requirements set in the user manual are not met.
- There is mechanical damage to the unit, or the sealed portions of the unit have been opened or tampered with.
- There are foreign objects or liquid inside the unit.

## **5.3 Contact Information**

### **Technical Support contact information:**

[Http://www.magnerinternational.com](http://www.magnerinternational.com)

Email: support@magnerinternational.com

### **When contacting Technical Support, please have the following available:**

- Product Model -On the silver sticker, located on the back of the machine.
- Serial Number -On the silver sticker, located on the back of the machine.
- Nature of the problem -What happened, and when did it happen?  
Did the machine display an error message?
- Steps already taken to resolve the problem and the results.