

Manual del Usuario

Cifra NX-670



Lea las instrucciones atentamente antes de usar

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1. CARACTERISTICAS

1.1 FUNCIONES

1. Conteo Automático
2. Conteo Manual
3. Conteo preestablecido
4. Conteo con suma
5. Verificación de medio billete
6. Verificación de billetes en cadena
7. Vuelta a cero automática
8. Alarma de billete dudoso
9. Detección UV
10. Detección MG
11. Detección IR

1.2 Especificaciones

Dimensiones: 285mmx245mmx165mm Peso Neto : 4 kg

Velocidad de conteo > 1000 billetes/minuto

Consumo: Mientras trabaja $\leq 90W$

Alimentación: 110-220V, 50/60HZ

Nivel de ruido < 60dB

Temperatura: $0^{\circ}C \sim 40^{\circ}C$

Humedad: 60%-90%

Rango de conteo: $1 \sim 9999$

Rango preestablecido: $1 \sim 100$

Tamaño de los billetes: Largo $110 \sim 170mm$

Ancho $50 \sim 85mm$

Espesor $0.075 \sim 0.15mm$

2. DESCRIPTION



2.1 Estructura de la máquina

1. Tolva
2. Manija
3. Cubierta
4. Panel de control frontal
5. Visor Frontal
6. Paleta del apilador

7. Apilador
8. Tornillo de ajuste
9. Tecla de encendido
10. Salida para el visor externo
11. Entrada de alimentación eléctrica
12. Fusible
13. Visor externo

2.2 Visor y Panel de control



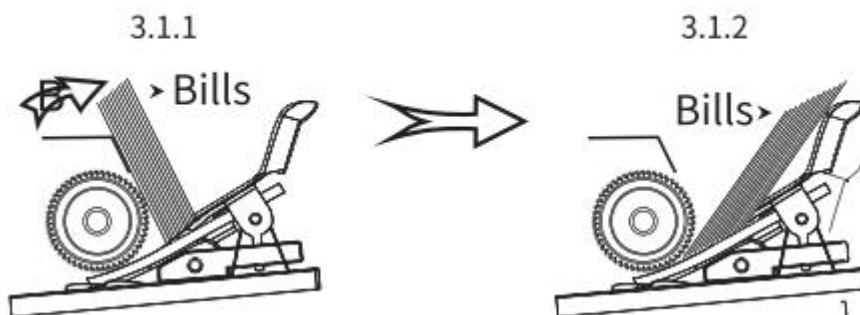
1. Visor del contador
2. Visor de Agrupado/Suma
3. Indicador de modo de trabajo
4. BAT: Presione esta tecla para ingresar en el modo de agrupado
-10: Presione esta tecla para restar 10 al monto de agrupado preestablecido
+1: Presione para sumar 1 al número de agrupado deseado
5. ADD: Presione esta tecla para activar el Modo suma

6. M/A: Presione para seleccionar entre Modo de conteo automático o manual.
7. RESET: Presione esta tecla para volver a cero y recomenzar el conteo.
8. COUNT: Presione para ingresar en el Modo de solo Conteo
9. UV: Presione para ingresar en el Modo de detección UV.
10. MG: Presione para ingresar en el Modo de detección MG.
11. IR: Presione para ingresar en el Modo de detección IR.

3. OPERACION

3.1 Forma correcta de colocar los billetes

Coloque los billetes en la tolva como se muestra a continuación



3.2 Modos de trabajo

Los billetes falsos pueden ser detectados al utilizar los siguientes modos de detección:

.IR detecta billetes falsos mediante un escaneo infrarrojo.

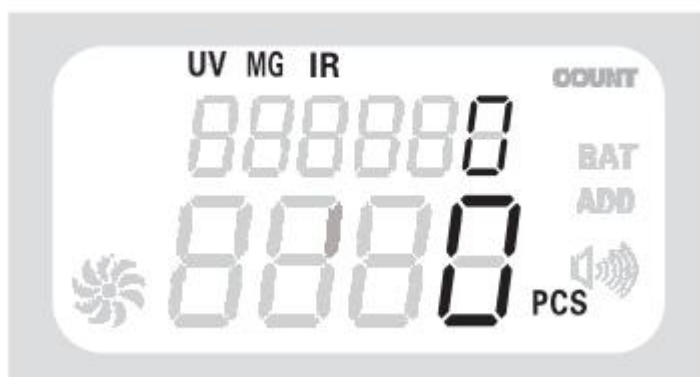
.MG detecta billetes falsos utilizando un escaneo de la tinta magnética.

.UV detecta billetes falsos mediante escaneo Ultravioleta

Al ingresar en este modo, si encuentra un billete dudoso, sonará una alarma y la contadora se detendrá. En la pantalla aparecerá un código de error. Consulte códigos de error en el apartado 3.3. Retire el billete dudoso y luego la tecla [Reset] para continuar contando.

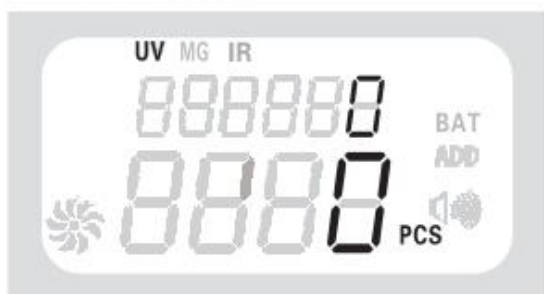
3.2.1 Conteo y Modos de detección MG,IR & UV

μP hoto 3.2.1



Al ingresar en le modo de conteo, se puede también presionar UV, MG o/y IR para activar los modos de detección deseados y contar y verificar en forma simultánea. La luz indicadora de cada modo se encenderá cuando el modo se encuentre activado. Coloque los billetes en la tolva y la máquina comenzará el conteo en forma automática

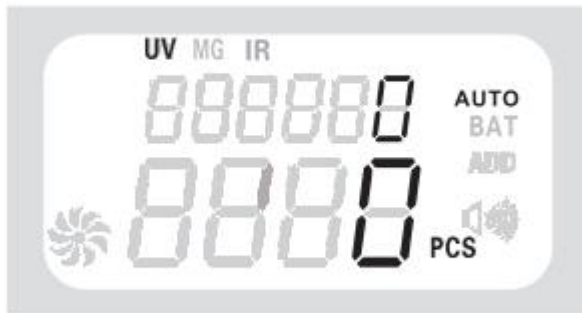
Photo 3.2.2



3.2.2 Conteo y Modo de Detección UV

This mode counts and simultaneously detects counterfeit bills through UV scanning. Press the [UV] button, when the UV LED light is on, this indicates mode is active. Place bills in the hopper and counting will automatically begin.

Photo 3.2.3



3.2.3 AUTO COUNTING Mode

This mode counts automatically when place bills in the hopper.

.Press the [M/A]button,when the AUTO LED light is on,this indicates mode is active, place bills in the hopper and counting will automatically begin.

Photo 3.2.4



3.2.4 MANUAL COUNTING Mode

This mode counts manually when place bills in the hopper.

.Press the [M/A]button,when the AUTO LED light is off,this indicates mode is active,place bills in the hopper and counting will not automatically begin,should press[RESET] to begin.

Photo 3.2.5



3.2.5 Counting Only Mode

This mode counts bills without detecting counterfeit bills.

.Press the [COUNT] button,when the COUNT LED light is on,this indicates mode is active.Place bills in the hopper and counting will automatically begin.

Photo 3.2.6



3.2.6 Add Up Counting Mode

This mode counts bills and adds it to the previous counting number

1. Press the [ADD]button,when the ADD LED light is on,this indicates mode is active.
2. Place bills in the hopper and counting will automatically begin.
3. As you insert more bills,it will be added to the previous count.

Photo 3.2.7



3.2.7 Batch Counting Mode

In this mode, you can set a “batch number”(number of bills to count) using the [+1] and [-10] buttons.

Example: if you set a batch number of 5, it will count and separate in batches of 5 bills.

1. Press [BAT] button, when the BAT LED light is on, this indicates mode is active.
 - [-10]: deducts number 1 to your desired batch number
 - [+1]: adds number 1 to your desired batch number
2. Place bills in the hopper and counting will automatically begin.
3. When the batch number is reached, the counter will be automatically stopped every time.
4. When you remove a batch, it will automatically count the next batch.

3.3 Error Codes

ERROR-MESSAGE DISPLAY

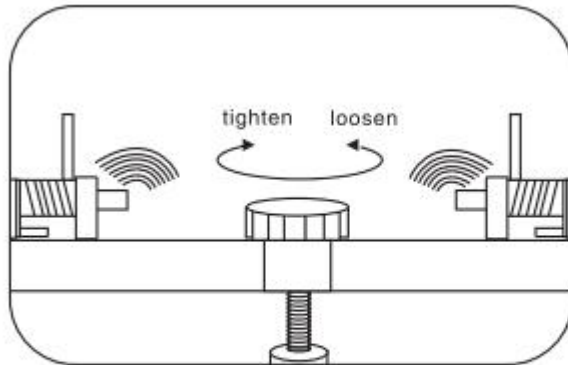
Code No.	Malfunction causes	Solutions
E01	The left counting sensor is broken or dirty	To change a new one or clean it
E02	The right counting sensor is broken or dirty	To change a new one or clean it
E03	The code disc is dirty or loose	To clean it or tighten it
E04	The hopper sensor is broken or dirty	To change a new one or clean it
E05	The stacker sensor is broken or dirty	To change a new one or clean it
E07	Ambient magnetic field is too strong	To lower the ambient magnetic field
	MG is not workable	To change a new one
E10	Ambient light is too high	To lower the ambient light
	UV sensitivity light is too high	To lower the UV light
E11	The plastic button is broken or loose	To change a new one or tight the connector
BF	Wheels running without feeding bills	Press reset and feed bills again

TROUBLESHOOTING OPERATION PROBLEMS

Code No.	Alarms meaning	Solutions
EE1	Fake or suspect note due to UV error	Take out the first bill(fake bill or suspicious bill) in the stacker,then press (reset) to continue counting and detecting
EE2	Fake or suspect note due to MG error	Take out the first bill(fake bill or suspicious bill) in the stacker,then press (reset) to continue counting and detecting
EE4	The half bill is being checked out	Take out the half bill in stacker,then press(reset)to continue counting and detecting
	Counting sensors are dirty or broken	To clean it or change a new one
EE5	Two bills are counted as one	To tight the adjustable screw clockwise
EE6	The fake bills or suspicious bills with different located magnetic is being checked out by MG	Take out the half bill in stacker,then press(reset)to continue counting and detecting
EE7	The slanting bill is checked out	Take out the half bill in stacker,then press(reset)to continue counting and detecting
EE8	The abnormal bill narrower than default is checked out	Take out the half bill in stacker,then press(reset)to continue counting and detecting
EE9	The abnormal bill wider than default is checked out	Take out the half bill in stacker,then press(reset)to continue counting and detecting
EEA	Chain bill is checked out	Take out the half bill in stacker,then press(reset)to continue counting and detecting

3.4 Hopper Adjustment

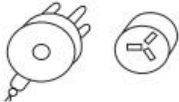




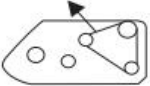
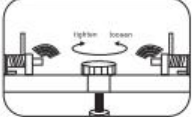



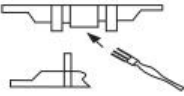

After prolonged use, the hopper screw will become loose, this may affect counting accuracy. To tighten, turn the up/down screw clockwise.



Adjusting the up/ down screw

3.5 Troubleshooting

Note: When counting and /or detecting is not accurate, please check and machine as detailed in the chart below:

<p>No power</p>	<p>Is the power cord properly connected?</p> 	<p>Is the fuse worn out?</p> 	<p>Is the power switch on?</p> 
<p>The power is on but it is not working</p>	<p>Hopper sensor may be dirty. Clean it with a brush.</p> 	<p>Is the hopper sensor properly connected to the main board?</p> 	<p>The belt may be too loose or too tight. Adjust as needed.</p> 
<p>Inaccurate count</p>	<p>Adjust the hopper screw. See 3.4.</p> 	<p>The counting sensor maybe dirty. Clean it with a brush.</p> <p>Counting sensor</p> 	<p>The rubber tongue may be worn out. Change to the other side or replace it with a new one.</p> 
<p>Incorrect detection</p>	<p>Adjust the MG sensor.</p> 	<p>The MG may be dirty. Clean it with a brush.</p> 	<p>The UV sensor may be broken or dirty. Clean it or replace it with a new one.</p> 

Cleaning and Maintenance

WARNING:Before cleaning,turn the power switch off and disconnect the power plug from the counter

1. Cleaning the optical sensors:Regularly clean all optical sensors with a soft brush to prevent paper articles or dust from sticking to the light transmitter or the light receiver sensors.If desired,you may wipe the glass surfaces with a soft cloth soaked in alcohol.

2. Cleaning the inside of the counter,it's recommended to periodically clean the inside of the counter.Unplug the counter and lift the top cover to access the interior.

CAUTION:DO NOT change the position of the detectors and/or optical sensors.

Warnings

1. Always ensure the counter is properly connected to the power source.
2. Operate in a well-ventilated area,keep away from direct sunlight and strong magnetic fields. Avoid operating in a dusty or dirty room.
3. Don't apply oil to machine parts,as this may cause the counter to malfunction
4. Effective power scope:110-220V if outside this range, it may cause the counter malfunction.
5. Fuse rating: 3A/250v,don't increase or decrease.
6. 80% of all operational issues are cause by dust or dirt in the counter.Periodically clean your counter to ensure effective use.

Packing List

- | | |
|-----------------------------------|------|
| 1. Counting and Detecting Machine | 1PC |
| 2. External Display | 1PC |
| 3. User Manual | 1PC |
| 4. Power Cord | 1PC |
| 5. Spare parts | 1SET |