

# MAGNER M2000 SERIES USER MANUAL

## 2POCKETS BANKNOTE SORTER



Version	V1.0.1
DATE	March 16, 2022



# MAGNER M2000 SERIES



## Warning

Please follow the below instruction

It can cause serious injury or death by violating the instruction

### Installation

- Make the enough space
- Do not install the product where it may be exposed to water and fire
- Do not install the product on the unstable place
- Do not install the product with abnormal condition like high humidity, low temperature and so on

### Power

- If the power cable is wet or dry, it can cause the fire or electronic shock
- Do not turn off the power by unplugging the power cable
- Do not pull the power cable strongly
- Keep the child away from the power cable

### Use

- The product should be used under the environment specified in the instruction manual
- Do not open the cover of the product during operation.
- Turn off the power when checking the inside of the product for cleaning or replacing parts

# MAGNER M2000 SERIES

## 『Packing』

### ▶ Product



### ▶ Quick Manual



## 『Option』

### ▶ Printer



### ▶ External Display



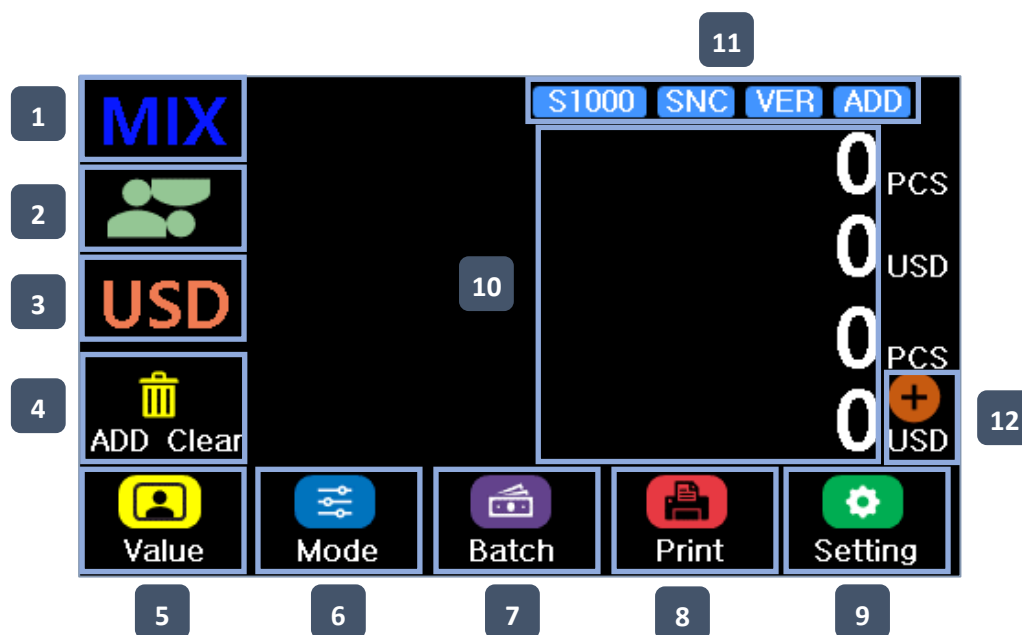
# MAGNER M2000 SERIES

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# MAGNER M2000 SERIES

## 1. Main Display



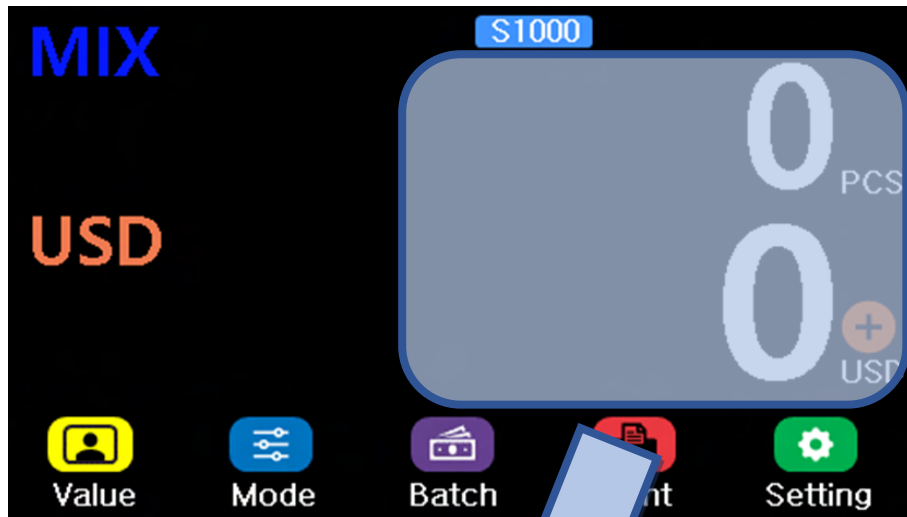
1	Display the current mode and change the mode by touch(MIX, SP, SG)
2	Face Direction mode, if user touch the icon, the mode will be off
3	Currency, if user touch the icon, user can select the currency
4	When ADD mode is operated, ADD Clear icon is displayed One touch : Canel last ADD, Two touch : Initialize ADD as "0"
5	Select the Value, Fitness and ATM mode
6	Enter the "Mode" menu
7	Set the Batch and dispense(Amount/Denom)
8	Print the receipt with count result
9	Enter the "Setting" Menu
10	Amount and Quantity for the counted banknote If ADD is operated, dual informtion is displayed (Current count information and accumulated informaiton) If user touch the area, user can check the detail count information
11	Count speed change, Serial Number Compare, Version seperation, ADD
12	Manual ADD

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## 2. Machine Operation

### 2-1. Total

User can check the detail of the count result, serial number, and error of the banknote by touching the screen



The screenshot shows the detailed count screen. It features a table with the following data:

	DENOM	PCS	AMOUNT
	5	0	0
	10	0	0
	20	5	100
	50	0	0
	100	0	0
	200	0	0
	500	0	0
	<b>TOTAL</b>	<b>5</b>	<b>100</b>

On the left side of the screen, there are icons for 'Print' (green), 'SN' (blue), and an 'ERROR' button (blue).

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## - Serial Number Reading (Need the serial number reading function)

User can check the serial number of the banknote by touching the SN icon

USER A  
EUR

DENOM	PCS	AMOUNT
5	0	0
10	0	0
20	5	100
50	0	0
100	0	0
200	0	0
500	0	0
<b>TOTAL</b>	<b>5</b>	<b>100</b>

Print

SN

ERROR

A dashed blue box highlights the 'SN' icon, with a dashed blue arrow pointing from it to the serial number reading screen below.

USER A  
EUR

Print

↑

↓

1/3

1.	20	ZC3783362036 ZC3783362036
2.	20	UD7041783663 UD7041783663
3.	20	ZC3574173569 ZC3574173569
4.	20	MC1169478135 MC1169478135
5.	20	EC0065596031 EC0065596031

A dashed blue box highlights the list of serial numbers, with a dashed blue arrow pointing from the 'SN' icon in the previous screen to this list.



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## - ERROR

User can check the detail of error by touching ERROR icon

The screenshot shows a summary table with columns DENOM, PCS, and AMOUNT. A blue dashed box highlights the ERROR button at the bottom left. A blue dashed arrow points from the ERROR button to the detailed error screen below.

	DENOM	PCS	AMOUNT
	5	0	0
	10	0	0
	20	5	100
	50	0	0
	100	0	0
	200	0	0
	500	0	0
<b>TOTAL</b>		<b>5</b>	<b>100</b>

The screenshot shows a detailed error screen with a table of error items. The table has columns NO., DENOM, DIR., and Description. Navigation controls (up, down, and refresh) are visible on the right side.

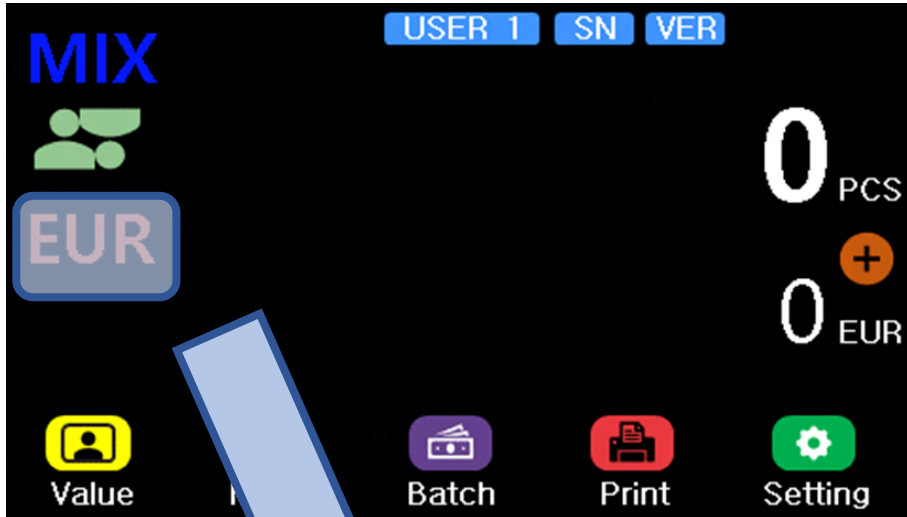
NO.	DENOM	DIR.	Description
1	20	BF	Face
2	10	BF	Face
3	10	BF	Face
4	5	FF	Issue
5	20	BF	Face

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## 2-2. Currency

User can select the currency by touching the CURRENCY icon

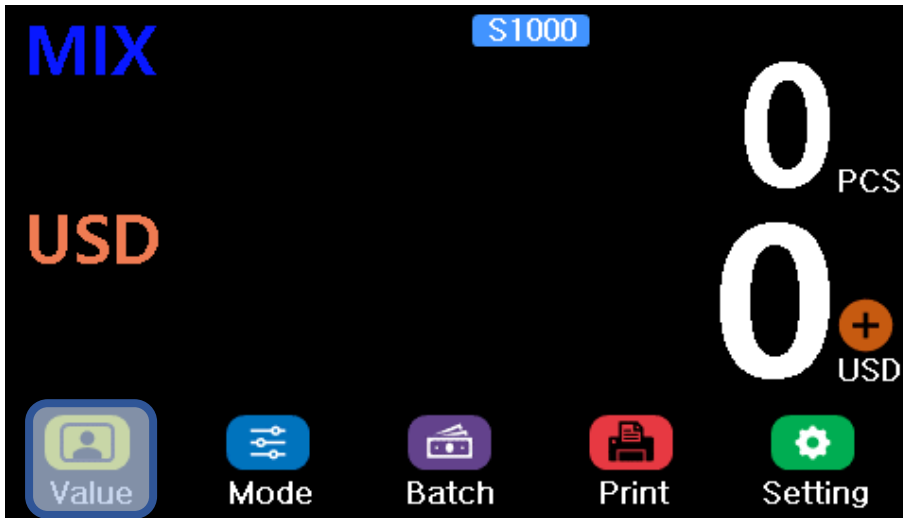
The maximum number of currencies is 50 currencies



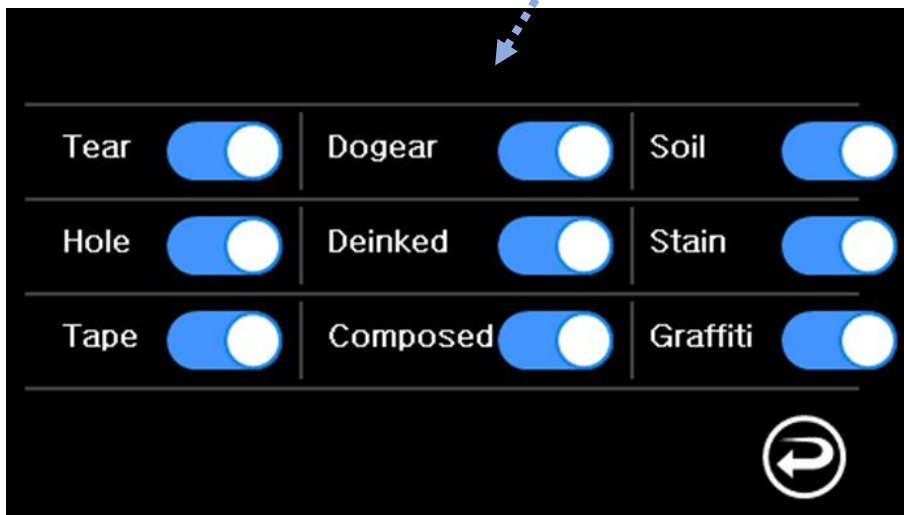
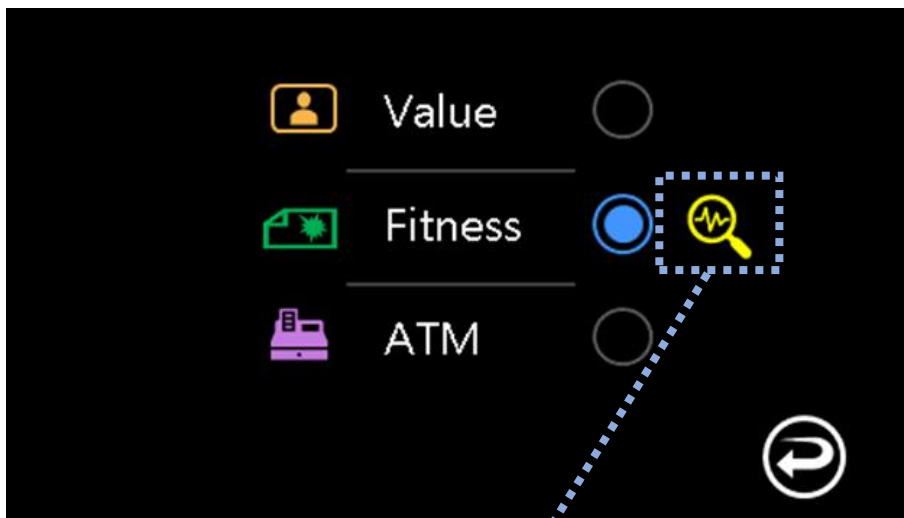
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## 2-3. Value/Fitness/ATM

User can select the Value/Fitness/ATM by touching the icon



User can set the detail of Fitness/ATM



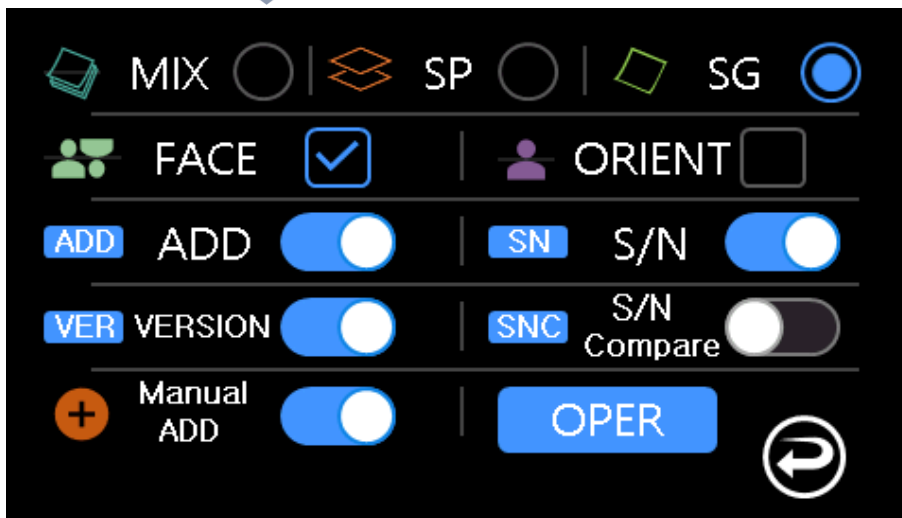
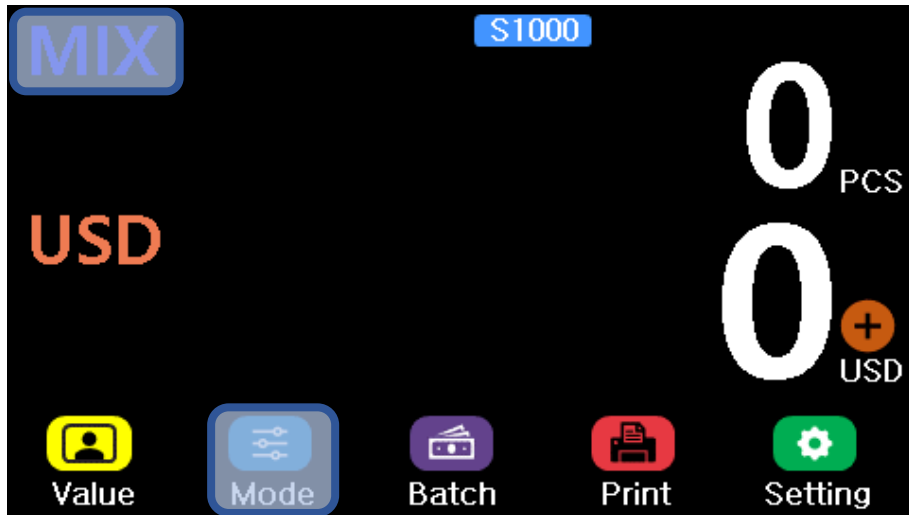
# MAGNER M2000 SERIES

## 2-4 Mode

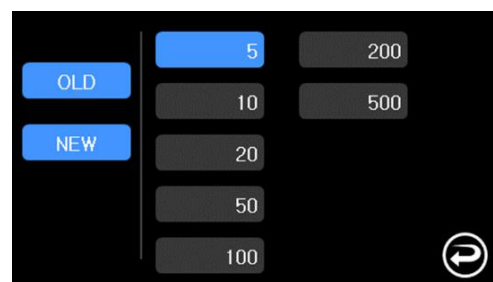
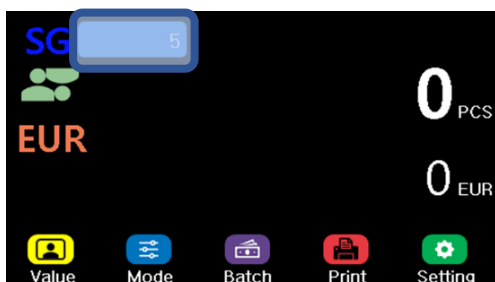
User can set the various mode for banknote count in Mode menu

- Count mode, Direction, ADD, Serial reading, Version separation, Manual ADD

Change the count mode (MIX -> SP -> SG)



- MIX : Count all denomination and version
- SP : Count the first recognize denomination
- SG : Select the denomination and version for count



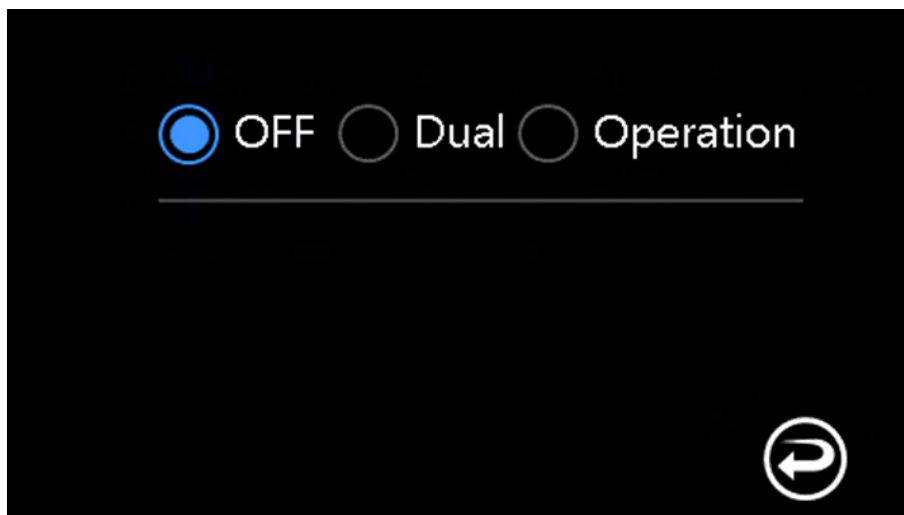
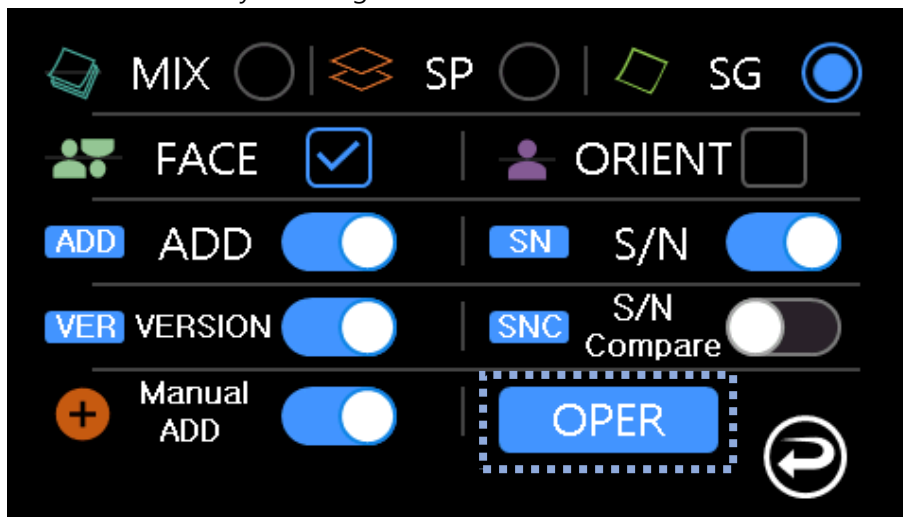
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- Face : Count the banknote with face direction
- Orient : Count the banknote with first recognized direction
- ADD : After the count, the count result is accumulated
- SN : Read the serial number of the banknote
- S/N Compare : Compare the serial number of the banknote
- VERSION : Count the first recognized version of the banknote(Old/New/Very New)

## 2-5 User Setting

- Dual, Operation

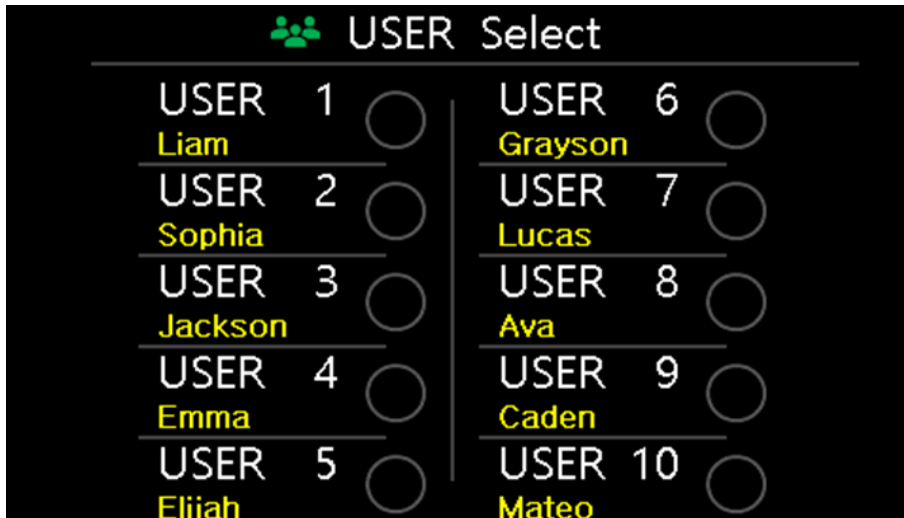
Enter the USER mode by touching the icon



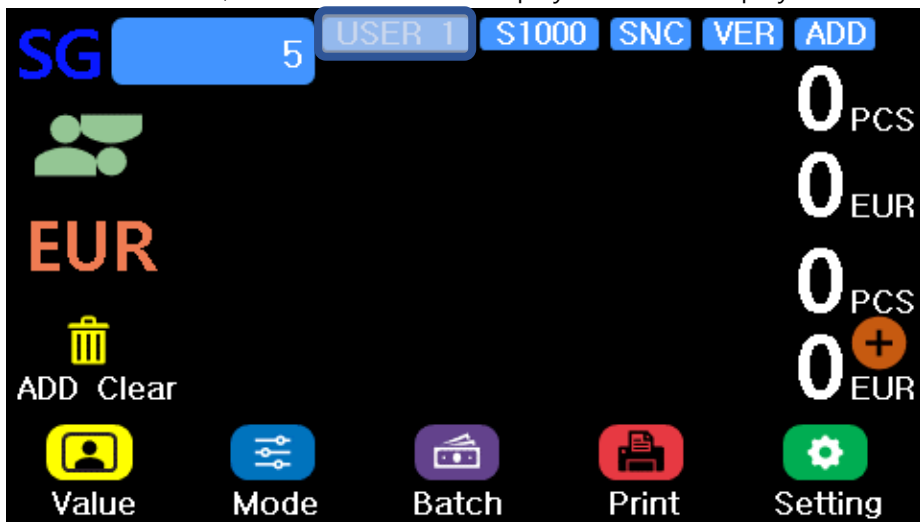
- Dual : Two user can use the machine(Left and Right side)  
User is changed by pressing Left and Right button

# MAGNER M2000 SERIES

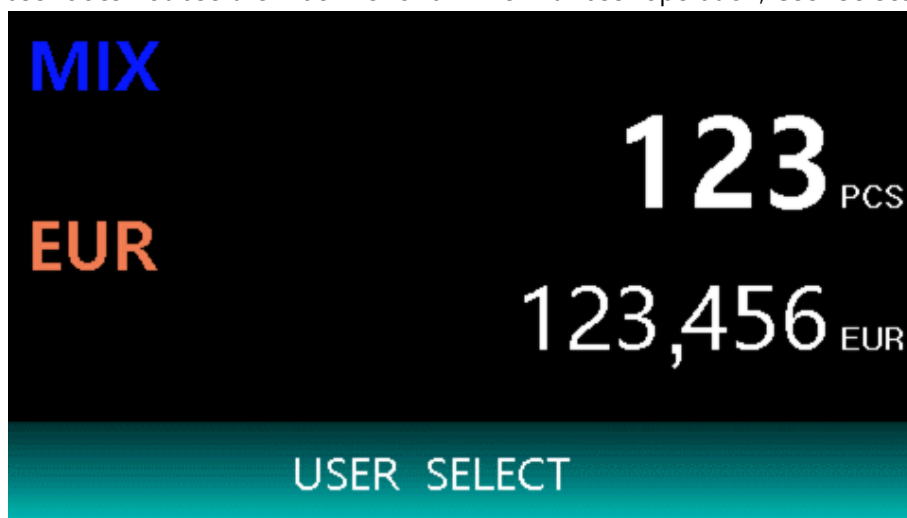
- Operation : The maximum number of user is 10 users



After select the user, the selected user is displayed in main display.



If user does not use the machine for a while with user operation, User Select message is displayed

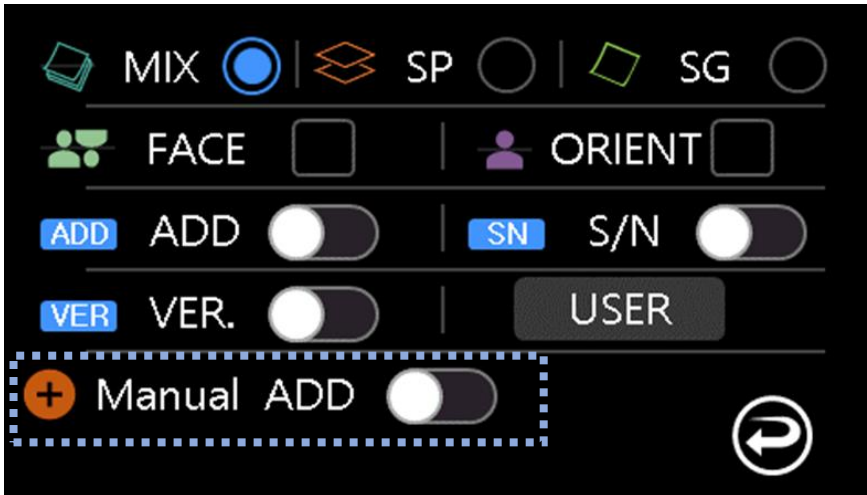


# MAGNER M2000 SERIES

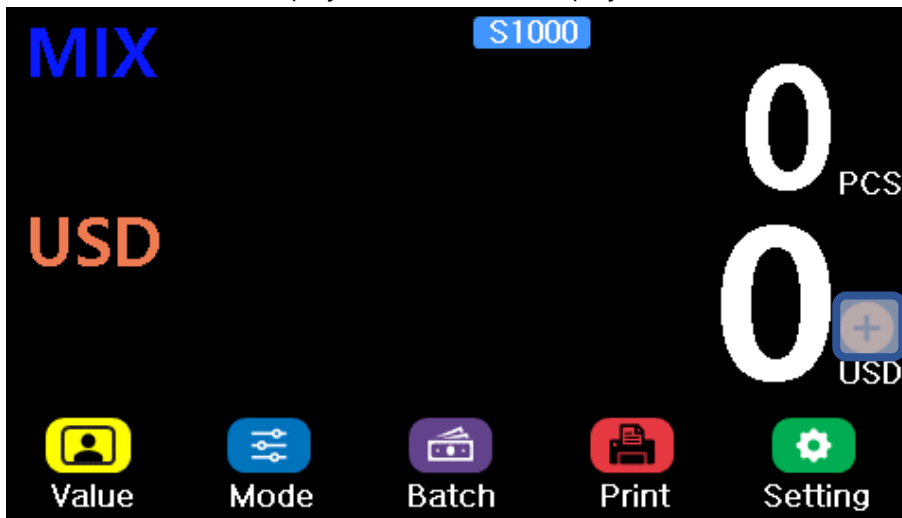
## 2-6 Manual ADD

User can add the amount, denom and coin in Manual ADD menu

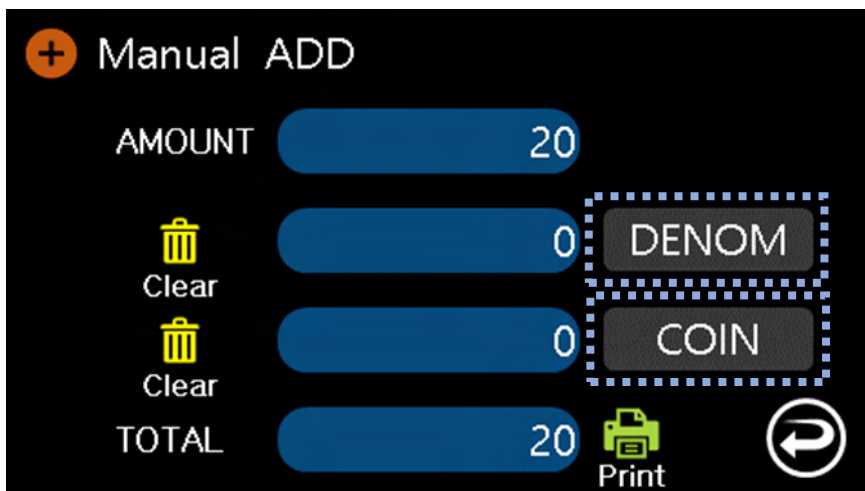
Operate Manual ADD by touching Manual ADD



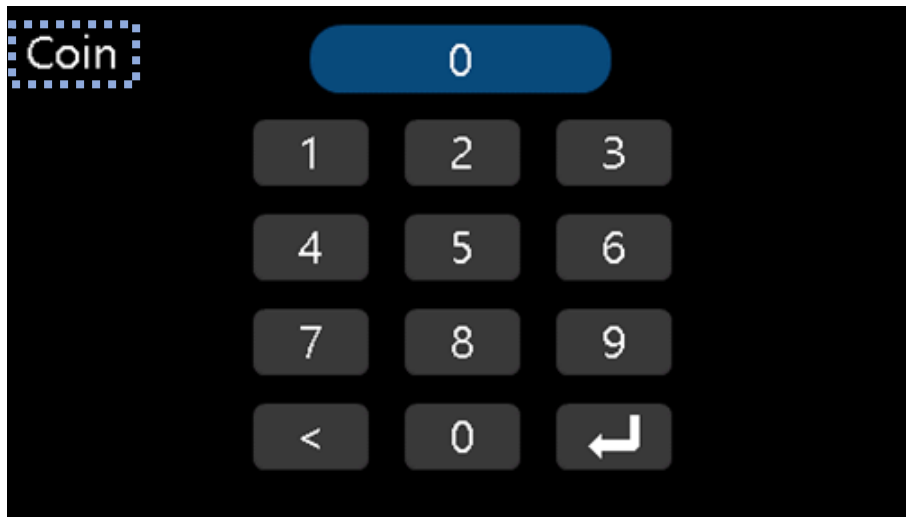
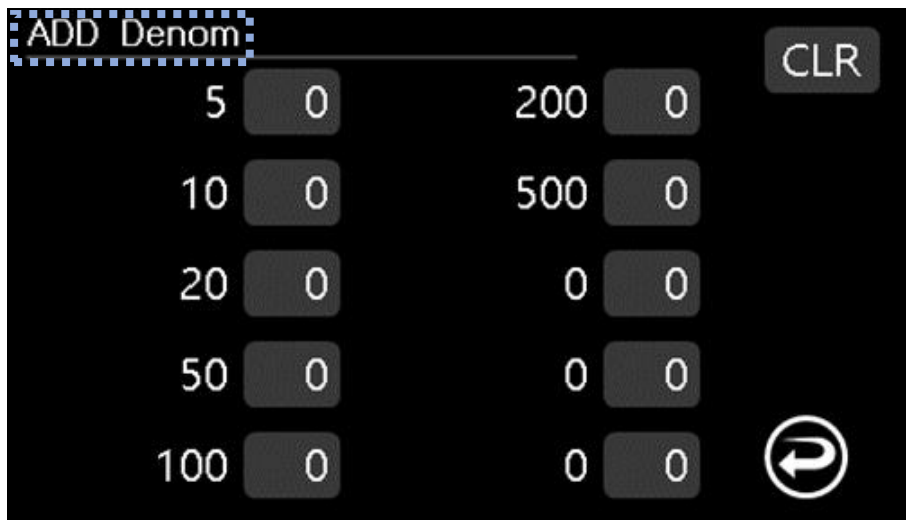
Manual ADD icon is displayed on the main display



User can set Amount/Denom/Coin



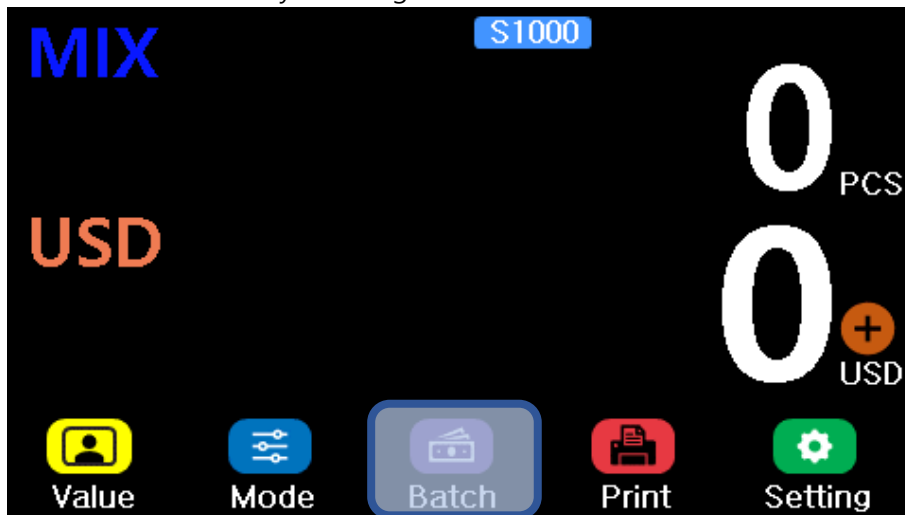
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## 2-7 Batch

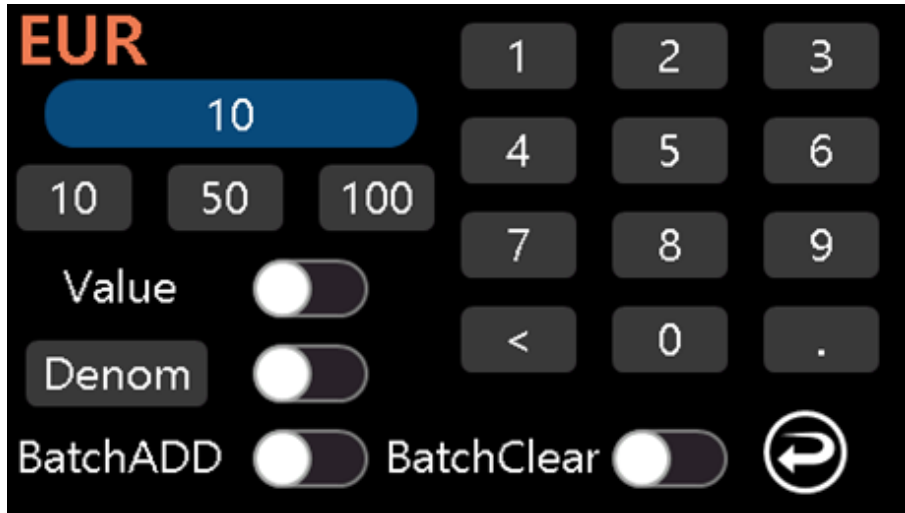
Set the batch of stacker and the other related functions

Enter the Batch menu by touching Batch icon

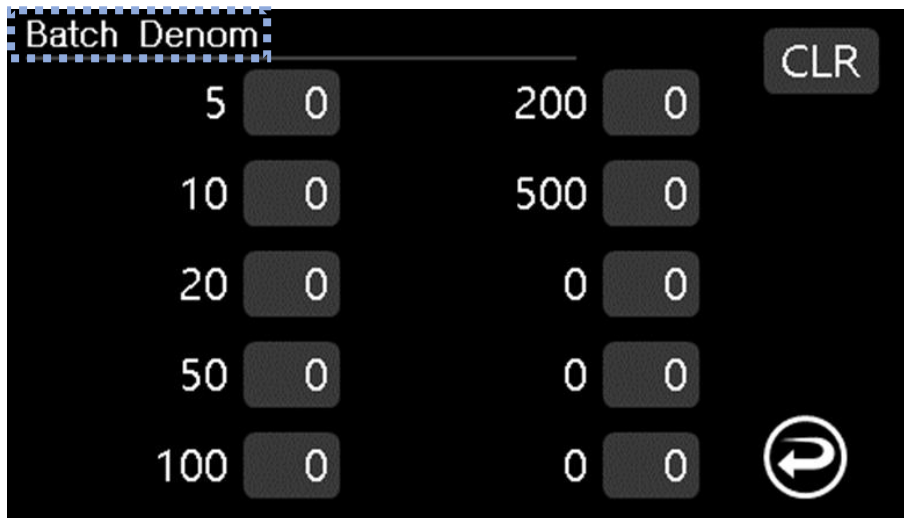




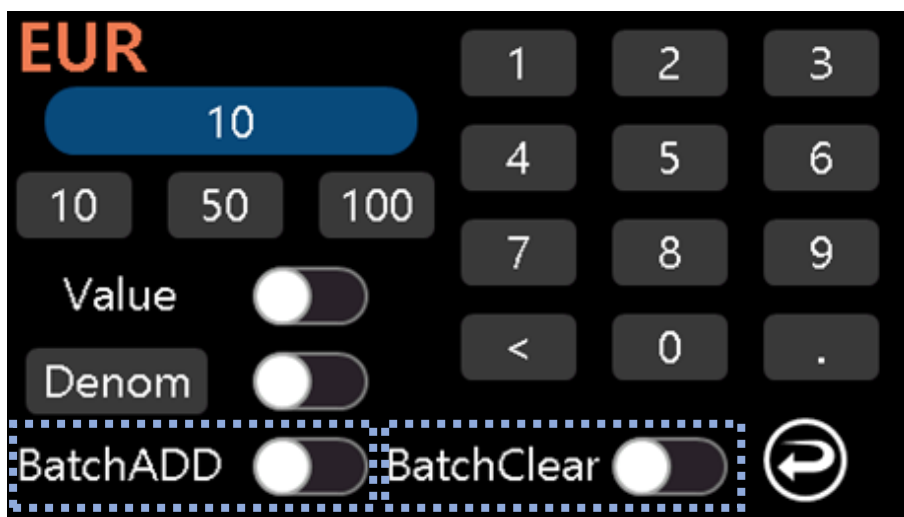
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- User can set the batch for stacker
- Value : User can set the amount
- Denom : User can set the quantity of each denomination



- BatchADD : The count result is accumulated only when the batch is full
- BatchClear : Reset the count information in main display  
(Condition : Batch is full, Banknotes are taken from stacker and start count again)

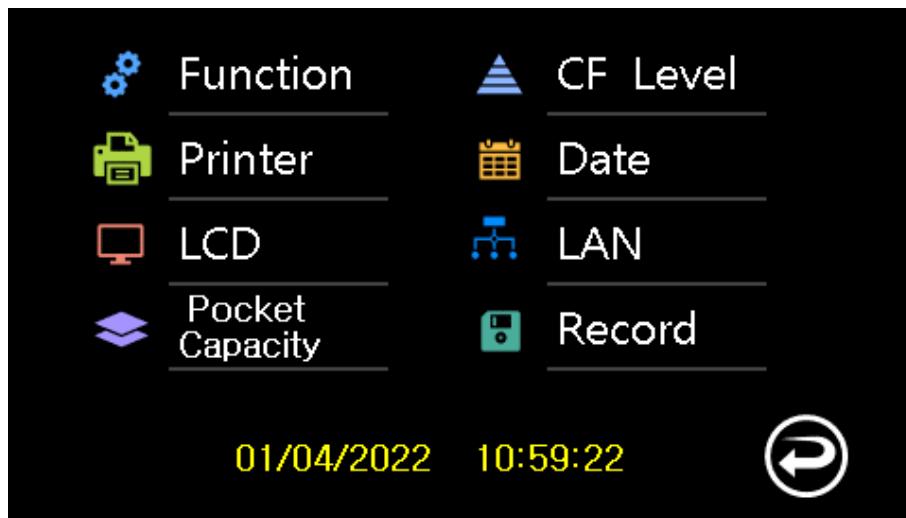
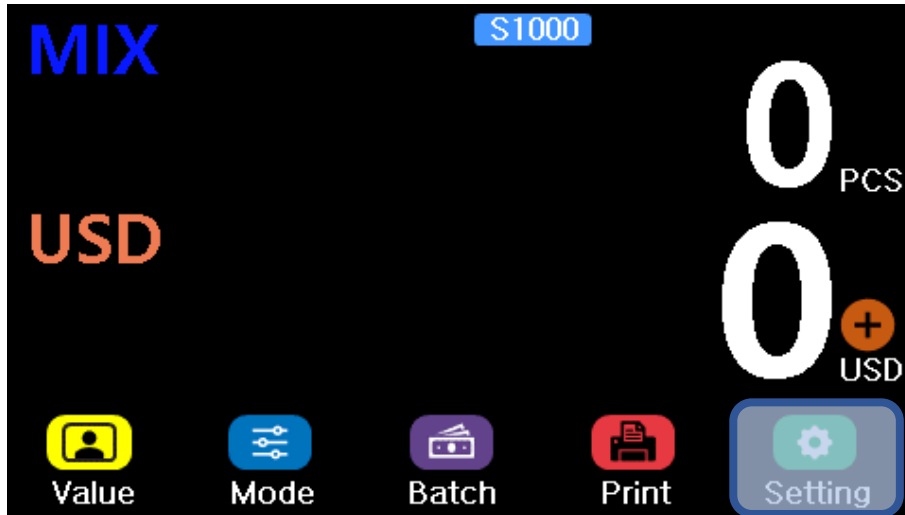


# MAGNER M2000 SERIES

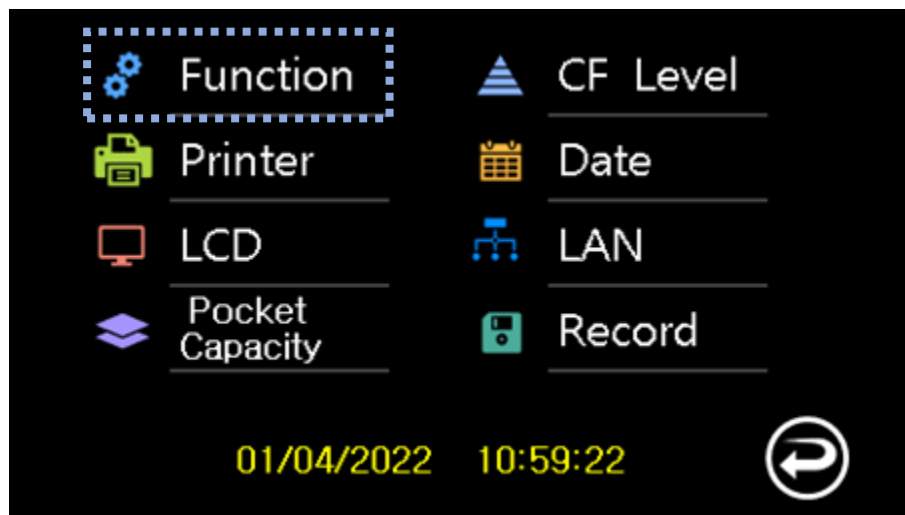
## 3. Setting

- Function, CF Level, Printer, Date, LCD, LAN, Pocket Capacity, Record

Enter the Setting menu by touching Setting icon



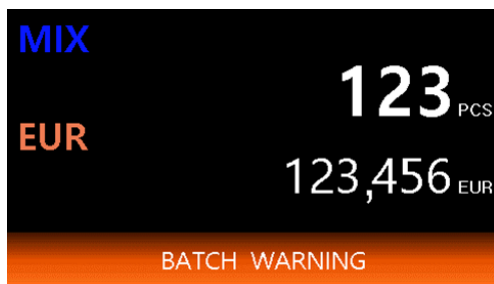
### 3-1 Function



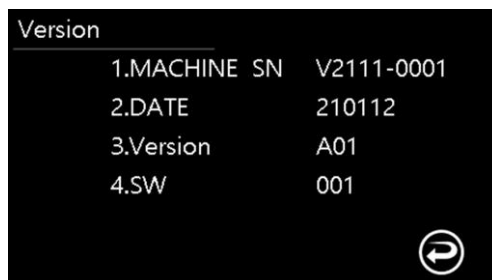
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- Count : Select the count start(Auto: Automatic, Manual: Press button)
- Delay : Select the timing for count start when the banknote is on the hopper
- Speed : Count speed
- Buzzer : Set the sound on/off
- Batch Warning : Make the warning when the banknote is taken from stacker without batch full

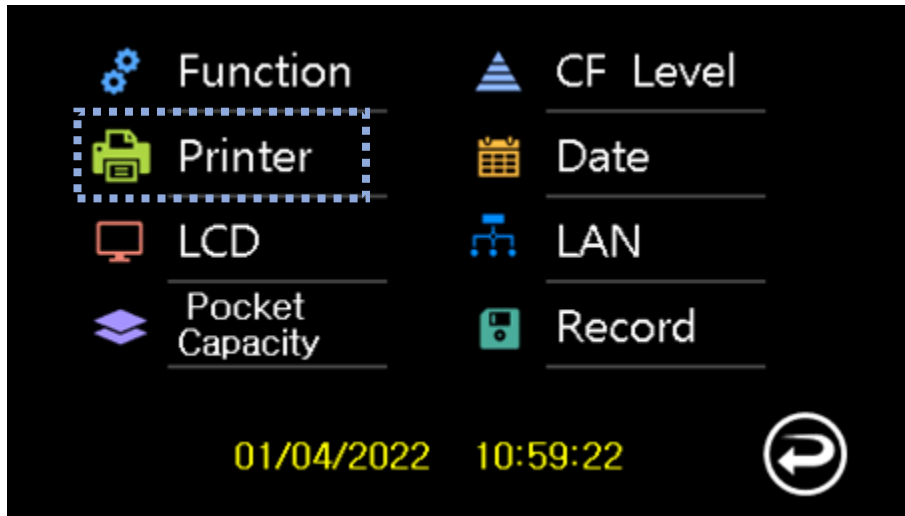


- CF : Make the sound when the counterfeit is rejected
- Door : Select the stacker cover use
- Info : Machine serial number and software version



# MAGNER M2000 SERIES

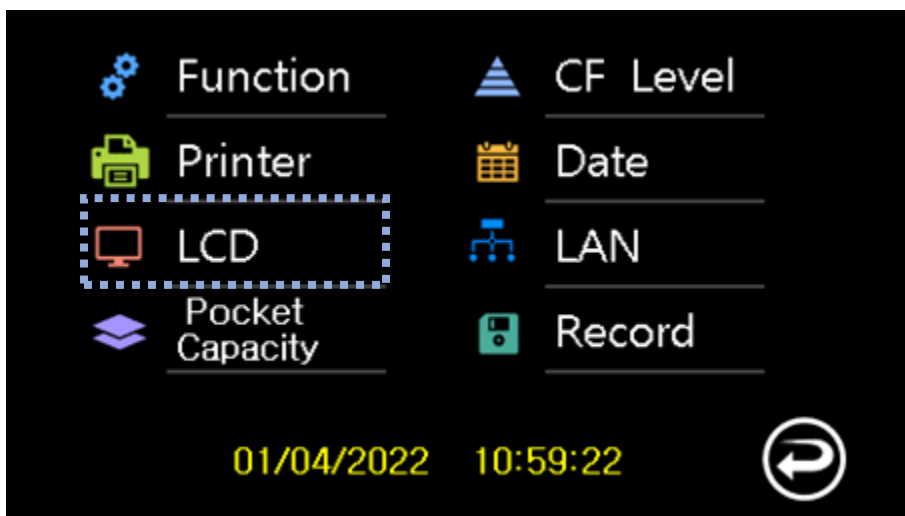
## 3-2 Printer



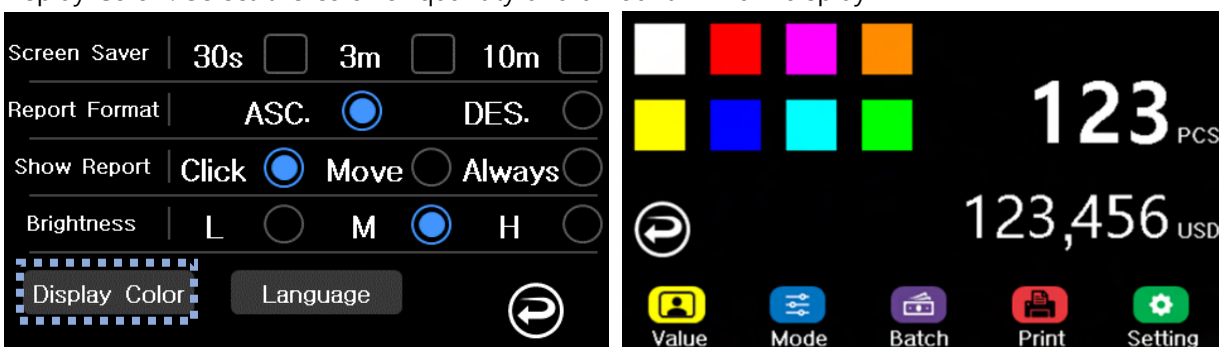
- Serial : OCR – Text print, Image – Image print
- Size : Select the printer size
- Copy : Select the number of the receipt(same information)
- Time : Time in the receipt
- Name : User name in the receipt(Need the User operation)
- Bank : Bank name in the receipt
- Auto Print : After the count, print the receipt automatically
- Branch : Branch name in the receipt

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## 3-3 LCD

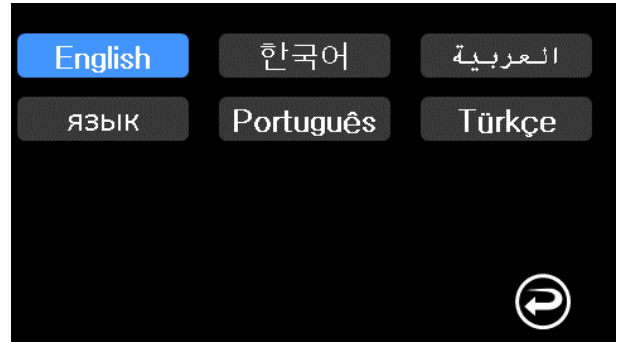
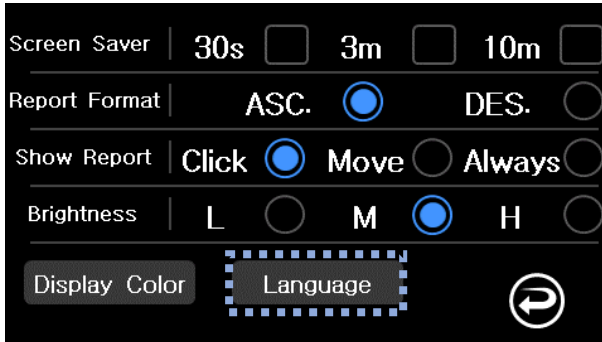


- Screen Saver : Select the time for the screen saver operation
- Report Format : Select the display order in detail count result(Ascending or Descending)
- Show Report : Select the detail count result display
  - Click : Detail count result is displayed when touch the display
  - Move : Detail count result is displayed when the banknote is taken from the stacker
  - Always : Detail count result is always displayed
- Brightness : Select the brightness level
- Display Color : Select the color of quantity and amount in main display

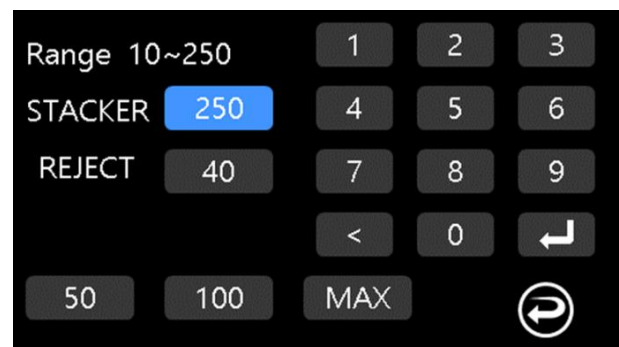
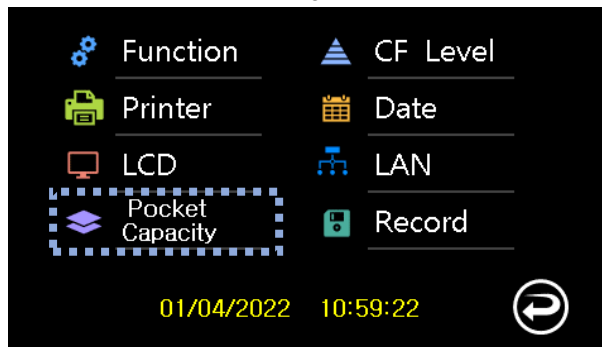


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- Language : Select the foreign language



## 3-4 Pocket Capacity

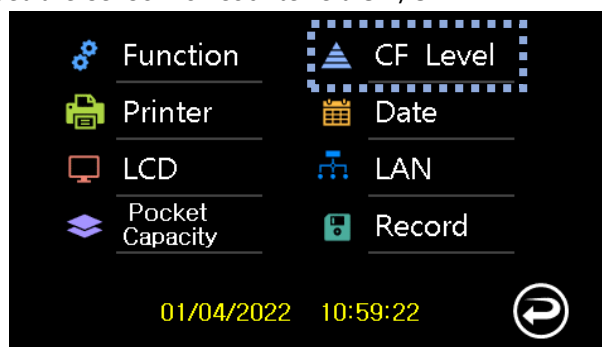


- Stacker : Set the stacker capacity

- Reject : Set the reject capacity

## 3-5 CF Level

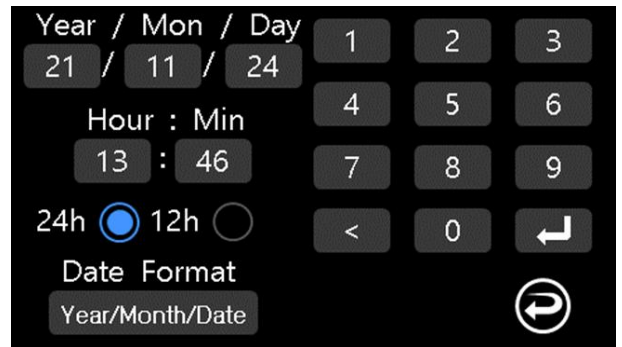
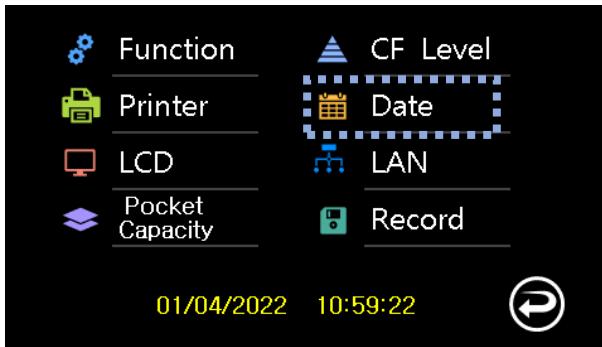
Set the sensor for counterfeit ON/OFF



# MAGNER M2000 SERIES

## 3-6 Date

Set the Date/Time and Format

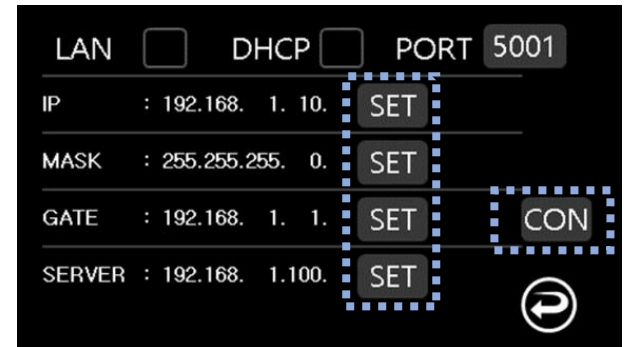
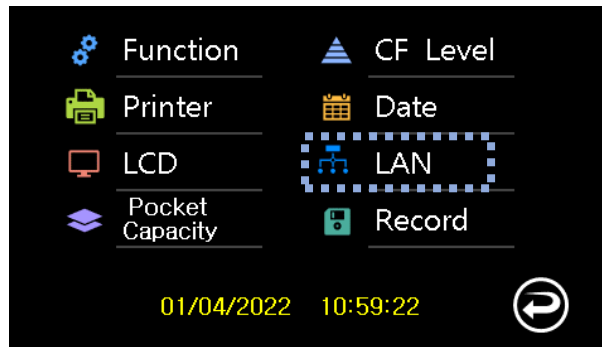


## 3-7 LAN

Network setting

Network setting is saved by pressing SET button

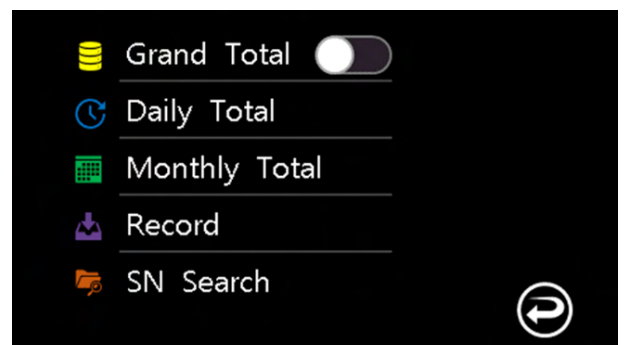
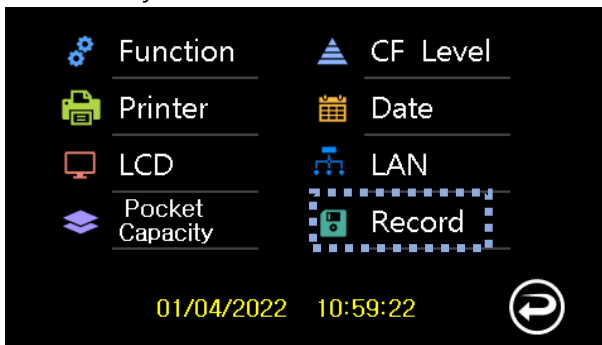
User can test the connection by pressing CON button



- LAN : Lan operation
- DHCP : Receive IP, MASK, GATE from HUB

## 3-8 Record

Count history information



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- Grant Total : Total count information from Grand Total On to Grand Total Off



A screenshot of the currency selection screen. The 'Clear' button is highlighted with a dashed blue box. The table shows counts and grand totals for EUR, USD, ZAR, AUD, and SYP.

Printer	Cnt	Grand Total
EUR	0	0
USD	0	0
ZAR	0	0
AUD	0	0
SYP	0	0

A screenshot of the currency detail screen for EUR. The table shows denominations, PCS, and AMOUNT. The 'Daily Total' option is highlighted with a dashed blue box.

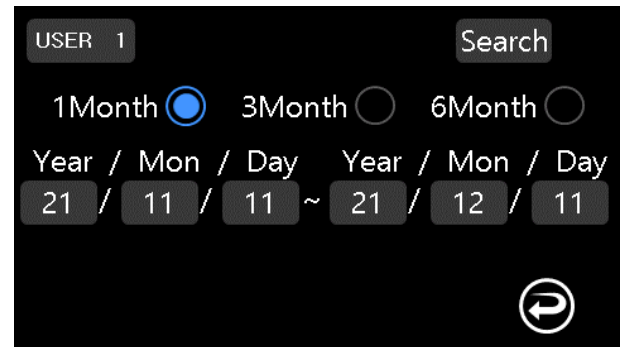
DENOM	PCS	AMOUNT
5	0	0
10	0	0
20	5	100
50	0	0
100	0	0
200	0	0
500	0	0

- Clear : Initialize the count result
- User can check the detail information by touching each currency

A screenshot of the currency selection screen. The table shows counts and daily totals for EUR, USD, ZAR, AUD, and SYP.

Printer	Cnt	Daily Total
EUR	0	0
USD	0	0
ZAR	0	0
AUD	0	0
SYP	0	0

- Monthly Total : Total count information for a Month



A screenshot of the monthly total detail screen. The table shows currencies, counts, and monthly totals for EUR, USD, BHD, and KWD.

Number	Monthly Total
MUL	
EUR	59,905
USD	533
BHD	0.0
KWD	0.50



# MAGNER M2000 SERIES

- Export : Send the counting information to SD Card as \*\*.csv

Monthly\_12- 4-2021~ 1- 4-2022

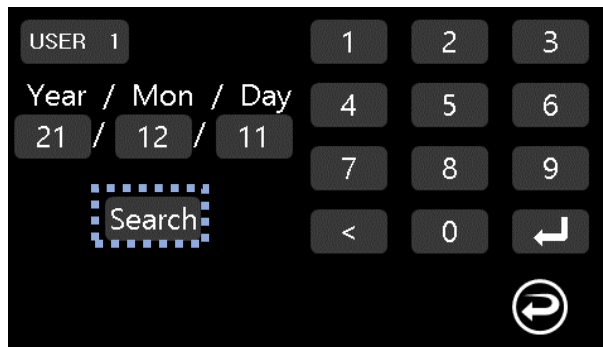
1	Monthly_12- 4-2021~ 1- 4-2022.csv													
2	Currency	Number	Total	1	2	3	4	5	6	7	8	9	10	
3	EUR	228	59905	1657	1485	1786	5	6	1	0	0	0	0	
4	USD	12	533	128	0	5	30	4	0	0	0	0	0	
5	KWD	1	0.5	0	1	0	0	0	0	0	0	0	0	
6	KRW	1	5000	0	1	0	0	0	0	0	0	0	0	
7	SYP	1	200	0	0	1	0	0	0	0	0	0	0	
8	TRY	1	20	0	0	1	0	0	0	0	0	0	0	
9	SEK	1	20	1	0	0	0	0	0	0	0	0	0	
10														
11														

준비

- Record : Count information record



- Search : Search the counting information



- Export : Send the counting information to SD Card as \*\*.csv

# MAGNER M2000 SERIES

Total : 7  
1/ 4/2022

		PCS	AMOUNT
1.	10:53:03 USD	1	5
2.	11:01:25 USD	1	5
3.	11:01:31 SYP	1	200
4.	11:01:41 TRY	1	20
5.	11:01:41 KWD	1	0.50

Record\_1- 4-2022

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Record_12-28-2021.csv																		
2	Index	Date	Currency	Pcs	Amount	1	2	3	4	5	6	7	8	9	10				
3	1	17:40:34	USD	32	105	25	0	0	6	1	0	0	0	0	0				
4	2	17:59:08	EUR	33	870	6	3	18	3	3	0	0	0	0	0				

- If user touch the currency, user can check the detail information for the currency

	DENOM	PCS	AMOUNT
USD	1	0	0
	2	0	0
	5	1	5
	10	0	0
	20	0	0
	50	0	0
	100	0	0
TOTAL		1	5

- Export : Send the counting information to SD Card as \*\*.csv

Record\_Detail\_1- 4-2022\_13;20;36\_EUR

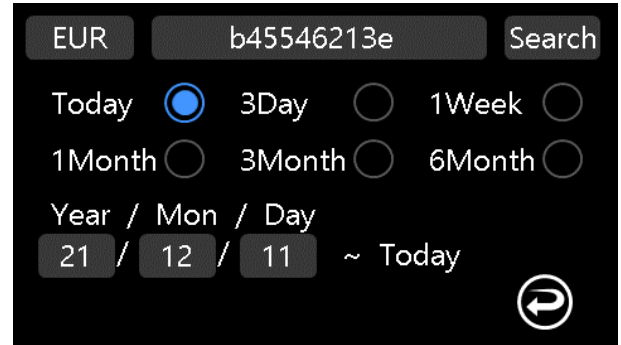
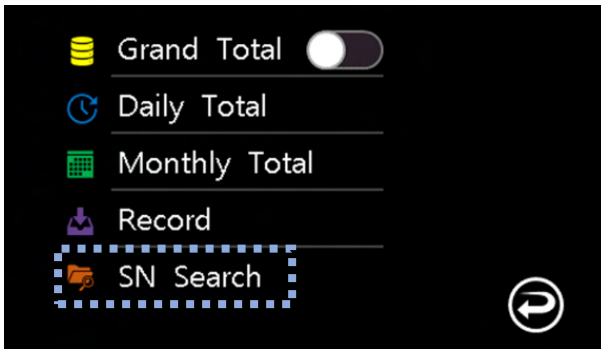
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Record_Detail_12-28-2021_17;40;34_USD.csv																		
2	Currency	Pcs	Amount	1	2	5	10	20	50	100									
3	USD	32	105	25	0	0	6	1	0	0	0	0	0						

- If the serial number reading is operated, the csv file includes the serial number in addition to counting information

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Record_Detail_12-28-2021_17;40;34_USD.csv																		
2	Currency	Pcs	Amount	1	2	5	10	20	50	100									
3	USD	32	105	25	0	0	6	1	0	0	0	0	0						
4	Index	Denom	Version	S/N															
5	1	1		0 B45546272E															
6	2	1		0 B45546253E															
7	3	1		0 B21179922E															
8	4	1		0 B75905548E															
9	5	1		0 B45546269E															
10	6	1		0 E74713413F															
11	7	10		2 NLS4889589A															
12	8	10		2 NLS4889584A															
13	9	10		2 NLS4889595A															
14	10	10		2 NLS4889583A															
15	11	10		2 NLS4889596A															
16	12	10		2 NLS4889518A															
17	13	1		0 B45546246E															
18	14	1		0 B45546266E															
19	15	1		0 C06597206D															

- SN Search : Search the serial number of the banknote

# MAGNER M2000 SERIES



If ' ' is entered in the input field, the other same serial number is found

- Export : Send the serial number data to SD Card as \*\*.csv

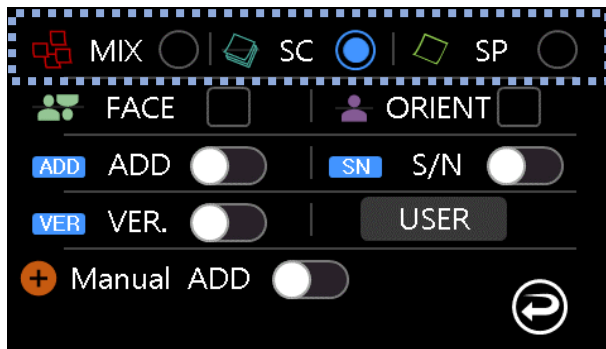


	A	B	C	D	E	F	G
1	SN_Search_USD_b45546272e_12-28-2021~12-28-2021.csv						
2	Index	USER	Date	Denom	Version	SN	
3	1	0	12/28/2021 17:40:34	1	0	B45546272E	
4	2	0	12/28/2021 17:40:35	1	0	B45546272E	
5	3	0	12/28/2021 17:40:36	1	0	B45546272E	
6	4	0	12/28/2021 17:40:37	1	0	B45546272E	
7	5	0	12/28/2021 17:40:38	1	0	B45546272E	
8	6	0	12/28/2021 17:40:39	1	0	B45546272E	
9	7	0	12/28/2021 17:40:40	1	0	B45546272E	
10	8	0	12/28/2021 17:40:41	1	0	B45546272E	
11	9	0	12/28/2021 17:40:42	1	0	B45546272E	
12	10	0	12/28/2021 17:40:43	1	0	B45546272E	
13	11	0	12/28/2021 17:40:44	1	0	B45546272E	
14	12	0	12/28/2021 17:40:45	1	0	B45546272E	
15	13	0	12/28/2021 17:40:46	1	0	B45546272E	
16	14	0	12/28/2021 17:40:47	1	0	B45546272E	
17	15	0	12/28/2021 17:40:48	1	0	B45546272E	
18	16	0	12/28/2021 17:40:49	1	0	B45546272E	
19	17	0	12/28/2021 17:40:50	1	0	B45546272E	
20	18	0	12/28/2021 17:41:01	1	0	B45546272E	
21	19	0	12/28/2021 17:40:51	1	0	B45546272E	
22	20	0	12/28/2021 17:40:52	1	0	B45546272E	
23	21	0	12/28/2021 17:40:53	1	0	B45546272E	
24	22	0	12/28/2021 17:40:54	1	0	B45546272E	
25	23	0	12/28/2021 17:40:55	1	0	B45546272E	
26	24	0	12/28/2021 17:40:56	1	0	B45546272E	
27	25	0	12/28/2021 17:40:57	1	0	B45546272E	

# MAGNER M2000 SERIES

## 4. Multi-Currency

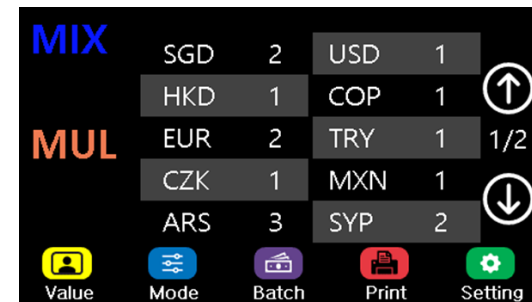
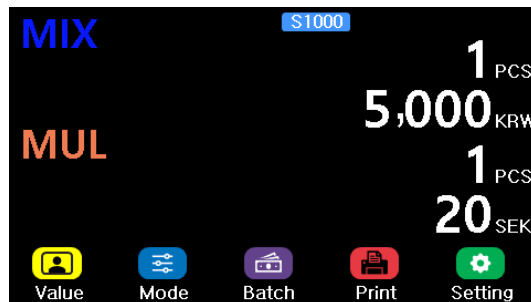
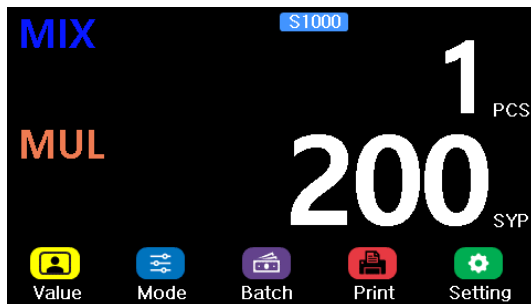
Multiple currencies are counted in Multi-currency mode (Maximum 50 currencies)



- MIX : All currencies and denomination is counted
- SC : First recognized currency is counted
- SP : First recognized currency and denomination is counted

### 4-1 Multi-currency(MIX)

- Display is changed according to the number of counted banknote



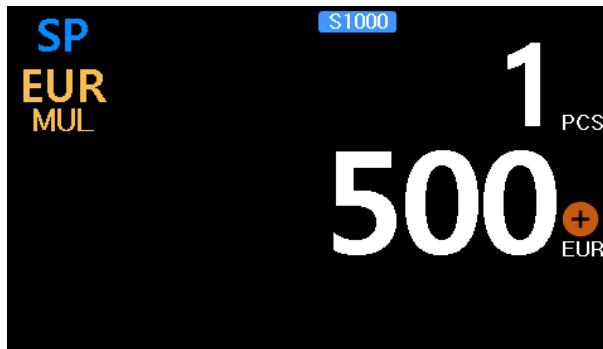
# MAGNER M2000 SERIES

## 4-2 Multi-currency(SC/SP)

- SC : Only one currency that is first recognized from many currencies is displayed



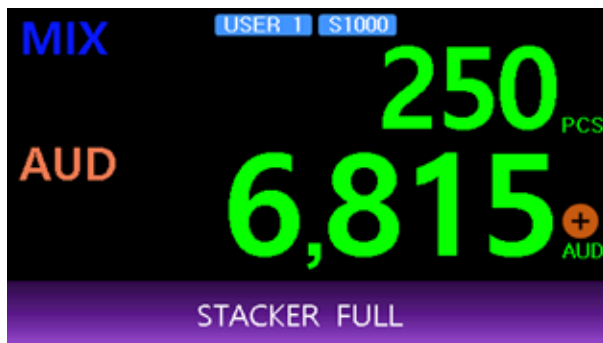
- SP : Only one denomination that is first recognized from many currencies is displayed



## 5. Pocket (Stacker/Reject)

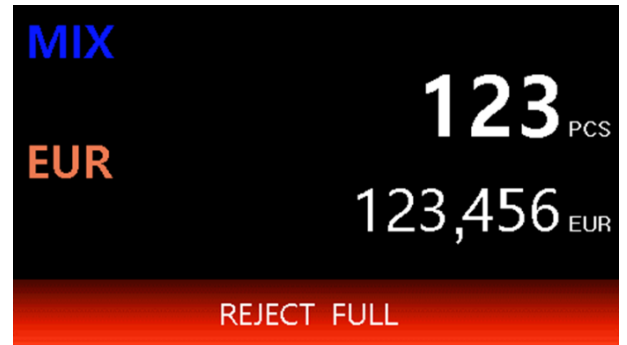
After the count, if there is banknote in the pocket, the message is displayed

### 5-1 Stacker



# MAGNER M2000 SERIES

## 5-2 Reject



## 5-3 ETC

- Batch Full : When Batch if full



- Remain : When the banknote is taken from Stacker or Reject, the other pocket has banknote

