

# F-SERIES

Friction Currency Counters



# LAUREL



**F-2000 / 3000**



**F-4000**



**F-5000**



**F-6000**



## **Satisfaction with All the End-users**

LAUREL celebrates the 60<sup>th</sup> anniversary from its foundation.  
LAUREL, based in Japan, supplying high quality products,  
keeps developing excellent machines satisfactory with all the users.

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LAUREL BANK MACHINES CO.,LTD.

LAUREL has developed the most excellent and sophisticated Machines.

# Why don't you select "LAUREL" Friction Currency Counters F-Series, the most advanced Models in the World!

## FEATURES

### Value Counting

To show count result in value.

A pack of notes with multiple denominations can be counted with the total value displayed and each denomination's count result displayed as well. In single denomination mode, any other denomination mixed in the preset denomination is automatically detected. Value counting by presetting count number is available. Simple manual sorting of denomination is also possible in Continuous Value Counting (CVC).

### Continuous Counting

To count notes continuously without recounting all the notes when an error occurs.

### UV Detection

To detect an Ultra Violet (UV) counterfeit and suspicious note by fluorescent reflection.

### IR Detection

To check IR-features on notes and detect suspicious notes by Infra-Red ray. This enhances the detection of counterfeit notes drastically. (IR detection is only available at the speed of 1000 notes per minute.)

### MG Detection

To detect a Magnetic (MG) counterfeit and suspicious note by examining the presence and level of magnetism in banknotes. In addition, F-3000 Series make the counterfeit detection securer especially in Euro notes by increasing number of Magnetic sensors.

### MT Detection

To check the presence of a Metal Thread (MT) in banknotes. Combined with the UV and MG detections, the MT detection can maximize the security in counting against various counterfeits.

### ICD Detection

F-4000/F-6000 has equipped with newly developed ICD (Intelligent Code Detection) System and performs highest level of detection against Euro counterfeit (CF) notes or suspicious notes.

### Size Check Detection

To detect the different sizes for both longer (length) and shorter (width) sides of notes from the target note by size comparison with accuracy.

### Physical Doubles Detection

To minimize doubles-feed problems due to the conditions of each banknote (color, dust, etc.), this function is to detect doubles-feed not by optical sensor but by Physical Doubles (PD) detection sensors.

### CVC Function

In CVC Function mixed notes can be sorted out by denomination more effectively than manual sorting.

CVC Function enables you to sort the notes very easily.

### Currency Selection

Different currencies can be easily selected using the function key. You can set a secondary currency like Euro as well as local currency.

### Reject Function

F-5000 and F-6000 have equipped with the Reject Stacker and can count continuously (non-stop) without stopping at errors, rejecting suspicious notes and consequently realizes much better throughput and enhances the productivity in counting. Single Value Count Mode is also available by setting the nominated single denomination, rejecting all the other denominations in the Reject Stacker thanks to this Function.

### Facing / Orientation Function

F-6000 has a function of facing and orientation of notes. Not only sorting out other denominations but also sorting by facing and orientation effectively.

### Highly Reliable Performance

Laurel F-Series have enhanced durability and high productivity. Modifying highly evaluated F-3000/F-5000, Models F-4000/F-6000 have more durable quality.

### ISO 9001

Laurel F-Series have been manufactured at the factory which meets the ISO 9001 Quality Systems requirement.

### EC Directives

Laurel F-Series comply with the EC Directives Low Voltage 73/23/EEC and EMC 89/336/EEC.

### RoHS Regulations

LAUREL F-4000 and F-6000 comply with the RoHS regulations.

### Options

RS232C Interface  
Serial Printer Interface  
Customer Display

### After Sales Service

A worldwide network of "LAUREL" authorized distributors assures you of high level of support and after sales service.

Models	F-2000	F-2010	F-2110	F-2111	F-3030	F-3050	F-4000	F-5000	F-6000
Count	●	●	●	●	●	●	●	●	●
Preset	●	●	●	●	●	●	●	●	●
Repeat	●	●	●	●	●	●	●	●	●
Add	●	●	●	●	●	●	●	●	●
Check	●	●	●	●	●	●	●	●	●
Value	●	●	●	●	●	●	●	●	●
PD	●	●	●	●	●	●	●	●	●
SC (length)	●	●	●	●	●	●	●	●	●
SC (width)	●	●	●	●	●	●	●	●	●
UV	●	●	●	●	●	●	●	●	●
MG			●	●	●	●	●	●	●
MT				●	●	●	●	●	●
IR					●	●	●	●	●
ICD							●	●	●
Reject Function								●	●
Facing								●	●
Orientation									●

Specifications	F-2000 / F-3000 / F-4000		F-5000 / F-6000
Dimensions	Height	232mm	300mm
	Width	276mm	300mm
	Depth	274mm	345mm
Counting Speeds (notes / minute.)	600, 800, 1000, 1200, 1400, 1600		800, 1000, 1200
	Weight	Approx. 9Kg	
Note Size Range	Max.	94 x 181mm	
	Min.	59 x 110mm	
Note Thickness Range	0.08 - 0.15mm		
Hopper Capacity	Max. 500 notes		
Stacker Capacity	Max. 200 notes		
Reject Stacker Capacity	-----		Max. 100 notes
Power Source	100 - 125V / 200 - 240V -		
Frequency	50 - 60Hz		
Power Consumption	at Counting	75W	80W
	at Rest	20W	20W

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