

Front Load Banknote Validator

# MFL®

**SUZOHAPP**

## Industry's most reliable, secure, modular design

MFL® is the first ever front load banknote validator designed for automated cash transaction applications. MFL® provides modularity and high security due to unique multi-sensor\* technology. MFL® utilizes a patented alignment mechanism enabling a high acceptance rate for banknotes and barcode vouchers. Due to its robust design and higher reliability, MFL® lowers total cost of ownership, enhances protection against counterfeits and improves machine uptime. MFL® is widely used in gaming, transportation and retail applications across the globe.

### Features

- Patented multi-sensor\* technology with self-calibration
- Aligning mechanism straightens the misaligned banknotes
- Robust mechanism and Beltless bill path
- Removable sensor module\*\*
- Lockable and Secured cash box
- Updates by smart-stick memory card or host machine
- Supports multiple protocols and have a standard footprint

### Benefits

- 96% or higher acceptance rate
- No more jam and accept more banknotes
- Reduced service calls that lower cost of ownership
- Easy to maintain and supports multiple currencies
- Compliant to industry's regulation
- Easy firmware updates
- Easy to retrofit

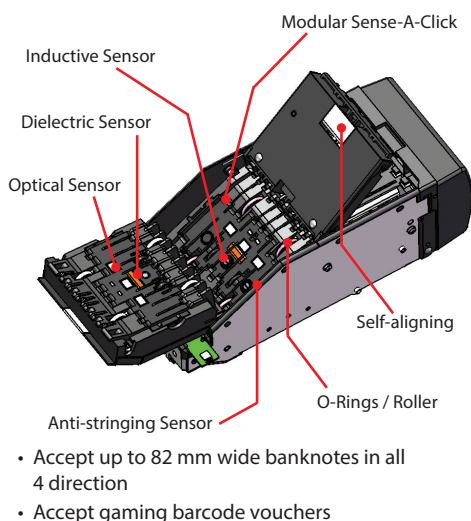
\*Multi-Sensor: Optical, Inductive, Dielectric, Anti-stringing, Barcode

\*\* Sense-A-Click™ is all in one built-in removable sensor module



## Products Variants

### Validating Head



### Cash Box

- 600 or 1000 banknote capacity
- Can be secured on housing
- Supports 2 locks (3/4" tubular) on door



### Technical Specifications

Acceptance Rate	96% or higher***
Banknote Sensors	Multi-Sensor (Optical, Inductive, Dielectric, Anti-stringing)
Banknote Specification	Four ways, 62~82 mm wide, 124~172 mm long
Escrow	One banknote
Bezel	Indoor Durable Plastic or Outdoor Metal
Interface Supported	Bi-directional (RS-232), Serial, Pulse, Opto-isolated
Protocols Supported	CCNET, Serial, ID003, V2.2, VFM
Firmware update	Smart-Stick memory card or Network Downloadable
Cashbox	Capacity - 600 or 1000, Optional up to 2 door locks
Power Consumption	12V DC: 2.0 A, 24 V DC: 1.0 A
Overall Dimension	114 x 306 x 230 mm (W x H x D)
Shipping Weight	Unit without cash box: 5.1 Kg, Cash Box 600: 1.95 Kg, Cash Box 1000: 2.4 Kg
Environmental	Operating Temperature: 0° to 50° C, Storage Temperature: -30° to +60° C, Humidity: 30% to 95%
Compliance	CE, UL Listed
Manufactured in	Canada

\*\*\* varies by currency, banknote variations

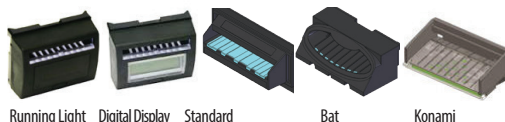
### Bezels

#### Vandal Proof Metal Bezel



- Up-stack or Down-stack
- IP24 compliant
- Outdoor applications

#### Plastic Bezel



### Tools & Accessories

#### Test Simulator

Simulator program helps to integrate and test product effectively.

#### Firmware Update

Easy firmware upgrade in the field can be performed by ordering smart-stick memory card or network download request. Optional smart-stick programming device is available.

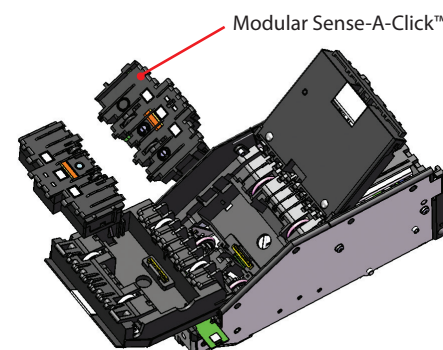


#### Optional Accessories:

You can order 12 pin COM connector and applicable power supply.



### Sensor Module



- Sense-A-Click™ is all in one built-in removable sensor module
- Easy to replace or upgrade in the field

### How to Order

#### SUZHAPP Locations:

##### Corporate Headquarters:

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