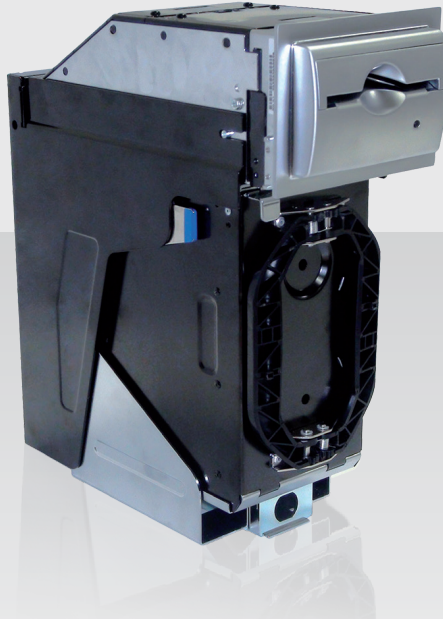


MFL® Validator

Front Load Banknote Validator



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
- ✓ It supports multiple protocols and has a standard footprint

Benefit

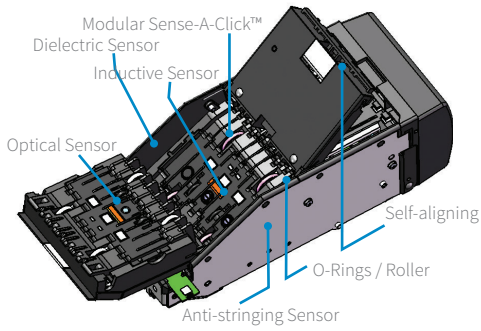
- ✓ 98% or higher acceptance rate
- ✓ No more jam: it accepts more banknotes
- ✓ Reduced service calls for lower cost of ownership
- ✓ Easy to maintain, it supports multiple currencies
- ✓ Compliant to industry's regulation
- ✓ Easy firmware updates
- ✓ Easy to retrofit



*Multi-Sensor: optical, inductive, dielectric, anti-stringing, barcode

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

Validating head



- ✓ Accepts up to 82mm wide banknotes in all four directions
- ✓ Accepts gaming barcode vouchers

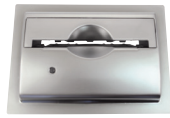
Cash box

- ✓ 600 or 1,000 banknote capacity
- ✓ Can be secured on housing
- ✓ Support 2 locks (3/4" tubular) on door



Bezels

Vandal proof metal bezel

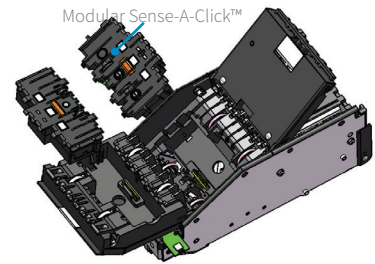


- ✓ Up-stack or Down-stack
- ✓ IP24 Compliant
- ✓ Outdoor applications

Plastic Bezel



Sensor module



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

Tools

Test Simulator

Simulator program helps to integrate and test product effectively

Firmware Update

Easy Firmware upgrade in the feild 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.



Technical Specifications

| | |
|------------------------|---|
| Size (W x H x D) | 114 x 306 x 230 mm |
| Weight | Unit without cash box: 5.1 Kg, Cash Box 600: 1.95 Kg, Cash Box 1000: 2.4 Kg |
| Acceptance Rate | 98% or higher*** |
| Banknote Sensors | LCD 22" Open Frame LED VGA/DVI (16:10 or 16:9) Fully Supports 1920x1080 (Full HD) - With Optera Touchscreen 3M controller |
| Banknote Specification | Four ways, 62 ÷ 82 mm wide, 124 ÷ 172 mm long |
| Escrow | One banknote |
| Bezel | Indoor Durable Plastic or Outdoor Metal |
| Protocols Supported | CCNET, Serial, ID003, V2.2, VFM |
| Firmware update | Smart-Stick memory card or Network Downloadable |
| Power Consumption | 12 Vdc: 2.0 A, 24 Vdc: 1.0 A |
| Temperature | Operating Temperature: 0° to 50° C Storage Temperature: -30° to +60° C Humidity: 30% to 95% |