

Transforming your Cash Handling Operations



CashComplete™ Solutions

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SUZOHAPP

SUZOHAPP is a technology company providing software and hardware for cash handling automation and self-service solutions to more than 25,000 customers throughout the world. SUZOHAPP's technology enables automation for customers operating in a variety of end markets including retail, transportation, gaming, banking, vending and amusement. SUZOHAPP's solutions include cash deposit, recycling, processing and payment systems as well as a broad range of self-service component technologies. SUZOHAPP's more than 1,100 employees operate in 18 countries and dealer network covers more than 100 countries. The brands of SCAN COIN, Comestero and CashComplete™ are united under the SUZOHAPP Company.

SUZOHAPP's mission is to provide its customers with excellent service and high quality components, solutions, and software that create significant value for their business. The company vision is to become the global market leader by being true to its core value of growth through the investment in people and innovation and so providing market-leading solutions for all the customers in all the markets throughout the world.

SUZOHAPP is owned by affiliates of ACON Investments, L.L.C., a Washington, D.C.- based international private equity investment firm that has responsibility for managing approximately \$4.4 billion of capital.



 **34 FACILITIES**
18 COUNTRIES

 **1,100+**
EMPLOYEES

 **115 ENGINEERS**

 **50,000+**
PRODUCTS

 **5,000+ SOLUTIONS**
6M+ DEVICES

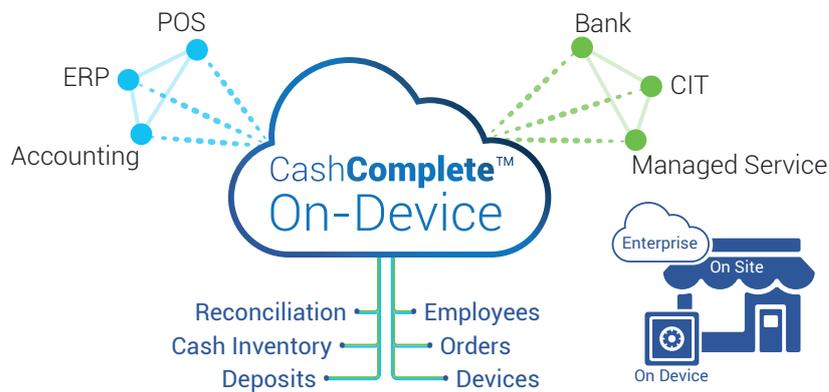
 **25,000+**
CUSTOMERS

CashComplete™



Cash Management You Can Count On

Leveraging our solutions into your business improves operational efficiencies. The combination of our unified software intelligence and leading processing technologies gives you superior results and elevates your cash management operations. Eliminate all daily tasks from counting, managing till content, reconciliation and reporting in-store cash, which allows the staff to be deployed into higher value activities. Our CashComplete™ On-Device Software coupled with our cash handling solutions together provides full visibility and accurate reporting of cash cycle. All stages of operations become more efficient by introducing operational automation and cash recycling. CIT pickup services, administrative and cash demand variation fees are reduced with our solution.



Protect and Secure

Count, verify and secure cash at the payment point to protect against internal and external theft and eliminate staff errors. This keeps minimal cash exposure and protects the staff. Achieve 99% counting accuracy and halt cash losses in your business due to these primary sources of fraud: employee/internal theft, administrative and paperwork errors, external theft.



Financial and Operational Control

CashComplete™ Connect is the ultimate solution for superior financial and operational control of cash.

Our management software can be shared by local departments for faster operations and maintenance. The Enterprise program of CashComplete™ Connect is ideal used for central monitoring and connectivity with external store systems for higher automation.



- ▶ **POS Balancing**
Automatic reconciliation of daily balances through Point of Sale (POS)
- ▶ **Financial Control**
Real time transaction monitoring
- ▶ **CIT Integration**
Integrate our solutions to CIT management systems for fast order requests and bank deposits
- ▶ **Maximum Uptime and Service**
Real time device and event monitoring to ensure maximum uptime
- ▶ **ERP Integration**
Reports daily balances and accounting
- ▶ **Optimize Cash**
Sharing insights into your cash cycle can be used for cash order planning to ensure the right level is always on hand



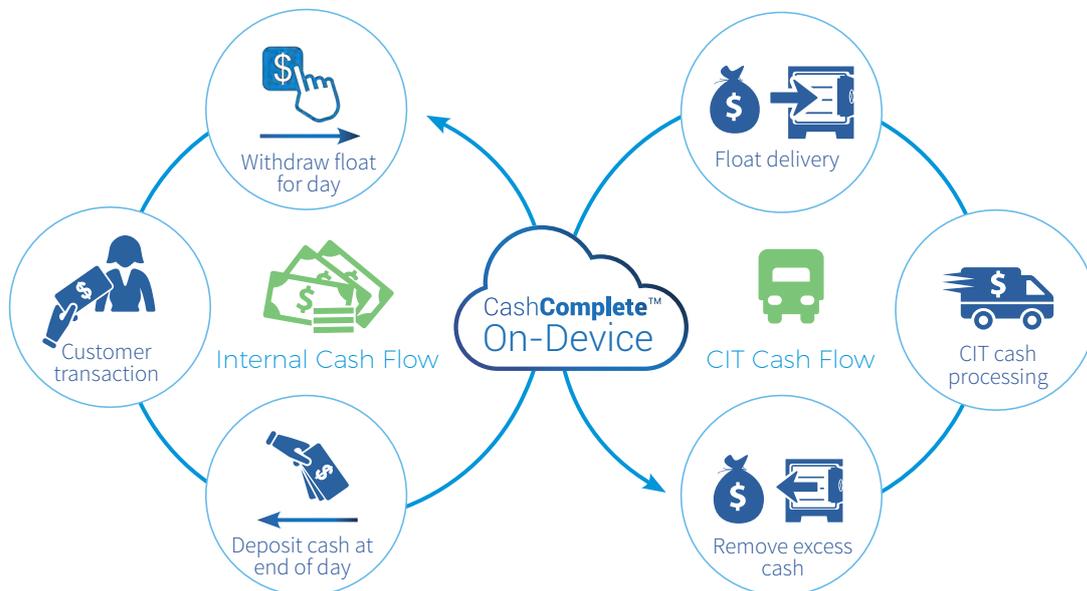
Cash Handling Cycle

The Software that Completes the Cash Handling Cycle

Transform your cash handling into complete solution where you receive real-time data of cash flow from your computer and/or mobile device whenever you need it. The software platform is in the middle of the cash cycle giving you a complete overview of the cash flow. You are able to see details of internal cash flow and can optimize the deliveries of cash and CIT pick ups. For full automation it is possible to integrate the software to CIT cash management systems.

Improve Cash Flow

CashComplete™ On-Device provides accurate and efficient management of in-store cash handling requirements allowing you to deposit surplus cash into your bank or reinvest into new opportunities. CashComplete™ Connect software make it simple to monitor your inventory position in real time across your organization.



MORE CUSTOMERS SERVED DURING PEAK HOURS

The CashComplete™ solution decreases transaction time by increasing cash handling efficiency.

Manage Your Business

The CashComplete™ solution will help you manage your cash flow and working capital with reporting and connectivity on the retail and banking ends of your business to monitor operations, employees and devices. Our system can balance cash in real time, track and audit users, and visualize cash ins and outs.

CashComplete™ delivers excellent ROI for its customers. While results vary by operating factors, some of the most common areas where ROI is generated:

- Reduce Cash room FTE (Full Time Employee) hours
- Reduce Cashier FTE (Full Time Employee) hours
- Reduce CIT fees
- Reduce Cash handling fees
- Reduce Cash variation costs
- Reduce Cost of cash on hand

For more information, please visit cashcomplete.com

CashComplete™

Solutions Showcase

The complete Software Solution

No matter what device configuration you need, our CashComplete™ secure centralised platform covers all bases. The platform receives transactions, contents and operational information from all devices. We can easily integrate with operating systems allowing users to remotely manage multiple devices and supervise and monitor their solutions across the entire installed network.



RCS-400 2.2 & RCS-500 RCS-600 & RCS-500 RCS-700
Coming soon RCS-800 & RCS-900



SDS-35 SDS-100 SDS-150 SDS-200 SDS-250 SDS-300 SDS-750



SPS-600 & SPS-500 SPS-700 & SPS-800
Coming soon



CashComplete™ On-Device

CashComplete™
On-Device

The Advanced Machine Platform for Cash Management

CashComplete™ On-Device is an open, integrated, user centered software platform that enables organizations to achieve maximum value with their cash management solutions. Increase employee productivity with intuitive work flows that are adapted to your business process. Enforce cash handling business rules at the user, role or revenue center level. Reduce cost by leveraging machines across multiple operating units with multi-tenant capabilities.

Improved Work Flows

Easily configure work flows that optimize the transaction time for your cashiers, tellers and supervisors as well as your Cash in Transit (CIT) provider, while ensuring all cash handling rules are enforced, tracked and audited.

Adaptable and Customizable

Need even more capabilities? With an upgrade to Enterprise Edition, organizations have the ability to extend the capabilities of CashComplete™ On-Device by developing plugins, utilizing a well-documented, cross platform SDK. Or utilize the pub/sub API to integrate with third party applications and solutions or leverage the industry standard Java POS for integration with Point of Sale terminals.



Optimized User Experience

Your employees will rapidly understand CashComplete™ On-Device thanks to the highly intuitive and familiar user interface. This not only reduces the amount of required training, but also increases the level of productivity by reducing overall transaction time.



Highlights

- ▶ Simple to Learn and Train
- ▶ Issues Automated Floats/Banks
- ▶ Improves In-Store Cash Flow
- ▶ Optimizes CIT Deliveries
- ▶ Increases Cash Security
- ▶ Provides Flexible Connectivity

Change The Way You Look At Cash

CashComplete™ Connect is a revolutionary platform which allows you to fully monitor your cash and generate indepth reports for complete visibility of your cash. This platform is a cloud-based hub that connects you to your business via computer or mobile device for the new generation of advanced cash management. Harness the power of the cloud within a fully secure and PCI-ready environment. CashComplete™ Connect is intuitively designed with a human-centric interface, while maintaining flexibility and powerful connections through an open REST API. The CashComplete™ Connect platform integrates with all CashComplete™ hardware and other compatible machines.

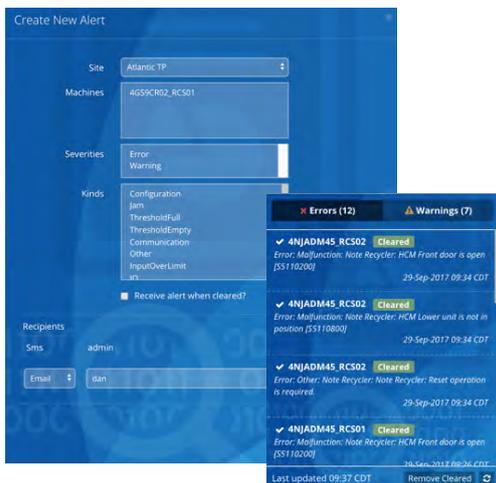
Complete Cash Visibility

Know the exact amount of cash in every machine across your enterprise per denomination and location. Make use of data visualization for immediate insight of your business. Customize your reports to quickly access exact data and optimize how you look at cash.



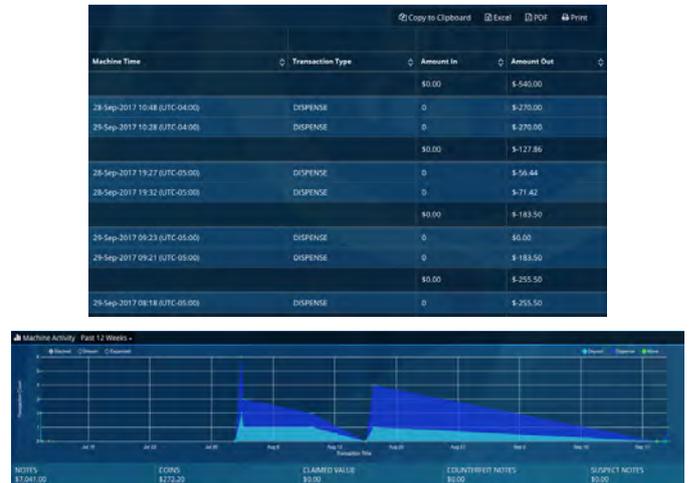
Intelligent Alerting and Monitoring

Monitor the health and status of your devices in real time. Easily configure actionable alerts that can include SMS or emails to specific users. Receive contextualized and detailed notifications for machine actions.



Device Management and Reconciliation

Access aggregated transactional data summarized by user or point of sale across machines and sites. Run custom reports with the powerful built-in query builder and save your custom reports for later use.





RCS-400 2.2 & RCS-500

RCS-600 & RCS-500

RCS-700
Coming soon

RCS-800 & RCS-900

RCS Range

Recycling Cash Solutions

Our Recycling Cash Solutions are powerful cash automators for your front or back office operations. Instead of spending hours on administration and counting, make this smart solution part of your daily operations and decision making. This ensures a quick return on investment through dramatically improved cash management.

Advantages

- Improve cash visibility
- Automate back office operations
- Reduce working capital
- Decrease labor cost
- POS Balancing - automatic reconciliation of daily balances through Point of Sale (POS) reporting
- Financial Control - real time transaction monitoring
- CIT Integration - integrate the solution to CIT management systems for fast order requests and bank deposits
- Maximum uptime and service - real-time device and event monitoring to ensure maximum uptime
- ERP Integration - reports daily balances and accounting
- Optimize Cash - provides insights into your cash cycle that can be used for cash order planning to ensure the right level is always on hand



RCS-800 paired with RCS-900 note module



RCS-400 2.2 paired with RCS-500 note module

Improved Productivity



Eliminate all daily tasks from counting, managing till content, reconciliation and reporting in-store cash, which allows the staff to be deployed into higher value activities. Our on-site software coupled with the RCS range together provides full visibility and accurate reporting of cash cycle.

Decreased Working Capital



CashComplete™ On-Device provides accurate and efficient management of in-store cash holding requirements, allowing you to deposit surplus cash into your bank. Our enterprise software makes it simple to monitor your inventory position in real time across your business.

Increase Efficiency



The RCS range fully automates your note handling to speed up the process allowing you to spend less time managing your cash. Automated till dispense to increase efficiency at the start and end of shifts, reducing human reporting errors and increasing accountability.

RCS-400 2.2

Flexi-Till Solutions

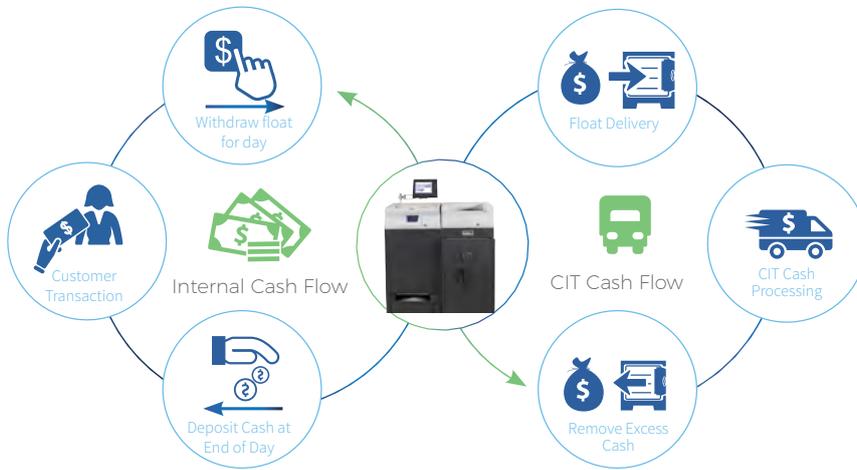
RCS-400 2.2 now comes with a flexible system for different tills to make the solution fit to your detailed needs.

Turn Cash into Real Value

The RCS Solution is a powerful automator for your back office operations. Make this smart solution part of your daily operations and decision making, instead of spending hours on administration and counting. This ensures a quick return on investment through dramatically improved cash management.



Pair the RCS-400 2.2 with a banknote management module to complete the automation of your cash



Efficiently Cycle Cash All Through Your Business

The steady flow of cash into your back office needs to be counted, allocated and secured quickly and efficiently. With the RCS Solution you take control of your cash through an efficient cash cycle in all areas of your business, from internal cash handling to CIT operations. This ensures both time and cost savings, as well as an improved customer service.

Optimised Financial and Operational Control

The RCS-400 2.2 works with the CashComplete™ Connect management software to provide you ultimate financial and operation control of your cash flow. This cash management solution can be connected to an existing network and can be controlled remotely. It maximizes the value of your business as you benefit from the best in cash management technology.

- ERP Integration
- Financial control
- CIT Integration
- Optimised availability
- Report Generation
- Automatic Reconciliation
- POS Integration
- Connect 24 hours/day 7 days/week





Explore True Cash Management

The Simplest Process Can Be the Most Revolutionary

We believe that cash management can be fast and require minimal interaction. We offer you the benefit of automating your cash flow so that you have it in real-time on your computer or other connected device when you need it. It's as simple as that with the CashComplete™ Connect Software.



Advantages

- Streamlined Cash Management
- Improved In-store Cash Flow Management
- High Cash Security
- Issuing automated floats/banks
- Optimized CIT deliveries and pickups
- Counterfeit detections
- Reduced cash handling costs
- Secure, fast & accurate processing
- Reduced shift turnover time
- Faster reconciliation
- Customizable Multi-Till system

Flexi-Till Solution

The Flexi-Till Solution is giving the retailer a freedom to use the existing tills already used in store together with the RCS-400 coin recycler solution. The Flexi-Till Solution is able to handle the most common tills available on the market. This will optimize the dispense operation by having the coins sorted into the correct pockets, which will save valuable time and minimize the risk of wrong coin in wrong pocket.

The "Till dispense" function is optimized to have the correct amount of coins in each pocket, this will minimize spillage and coins to be carried in other ways. When the Till is inserted the dispense operation starts automatically by a sensor activation, this avoids the risk of having coins being dispensed inside the machine without the presence of a Till and saving valuable time.

The coins are dispensed parallel with the notes. When notes are ready and taken out of the RCS-500 the till is ready to be taken out of its position and the cashier is ready to start working! When the RCS-400 2.2 is in deposit mode the till compartment is closed and coins are available to be sent to transport box when needed. The Flexi-Till Solution optimizes the valuable time in the store!

Patent Pending



Effective Management
With its recycling capacity of up to 16,000 coins and 8 denominations

Banknote Recycling
The RCS-400 2.2 is designed to be associated with a Bill to Bill or a MDS for processing and recycling banknotes

Large Capacity, Secure Storage
The "overflow" box increases the total capacity from 5,500 coins to 21,500 coins, which are stored within the safe

Electronic Locks
Facilitates management of back-office processing

Design
Low working height and light indications make the RCS-400 2.2 one of the most user-friendly solutions on the market

The Software Platform
The RCS-400 2.2 is connected to the CashComplete™ Connect Intelligence software for optimal management of your money

Distribution of Coins
The distribution of cash is made easy by depositing change in a carrying case

Better Technology
Our unique innovations make our recycling solutions some of the most reliable on the market

Proven Technology

Flexible Multi-Till Solution
The Till dispense function is optimized to have the correct amount of coins in each pocket, this will minimize spillage and coins to be carried in other ways

Technical Specifications

	RCS-400 2.2	RCS-500
Deposit	12 coins/sec, Mixed	Notes in bundle mixed (200 notes), 8 notes/s
Dispense	Up to 40 coins/sec	8 notes/s in bundle of 100 notes
Recycling Storage	16,000 coins	2,500-10,000 notes, 1-4 cassettes
Number of Recycling Denominations	8	4
Storage	5,500 coins in a self-sealing bag	1- 5 cassettes for pickup 2,500-12,500 notes, stacked in cassette
Total Capacity	21,500 coins	12,500 notes
Certifications	Certified European Central Bank	Type 5a, ECB certified
Security	2-3 mm Steel cabinet, key lock security	2-3 mm Steel, CEN IV
Size (W x D x H)	590 x 500 x 1,155 mm (23.2" x 19.69" x 45.47")	580 x 755 x 1,150 mm (22.8" x 29.7" x 42.2")
Empty Weight	80 kg	700 kg

The Solution is driven by a Windows 10 touchscreen POS PC with raised PC mount, printer, card reader and barcode reader.

RCS-400 2.2 can be connected to the CashComplete™ Connect back-office software for remote control of the PLC.

RCS-800 & RCS-900

CashComplete™

The Totally Automated Recycling Solution

The steady flow of cash into the back office needs to be counted, allocated, secured and reconciled - cumbersome and time consuming processes. Explore true cash management with increased customer service and security through a complete cash handling solution.

Explore an Efficient Cash Cycle

The cash recycling with CIT integration optimizes the level of cash in-store and decreases the need of services and manual labour dramatically. Make this smart solution part of your daily operations and decision makings, instead of spending hours on administration and counting. In this way you can keep the focus on the true value of your business – the customers. Furthermore, the solutions ensures quick return of investment through dramatically improved cash management.



Advantages

- Maximum cash flow control: during the day, the RCS-900 also serves as a continuous cash supplier, enabling a supervisor to support cashiers with change when needed. At the end of the day, the cashier registers at the RCS-900 and quickly deposits coins and banknotes from the day's takings. The coins are safely stored in dispensers ready for future float dispensing. The banknotes can be stored in the recycling boxes for future float dispense or directly sent to the acceptance box
- Easy integration: designed for easy integration with the customers' software systems. Cheques and coupons can be manually keyed into the system, put in a seal bag and registered by the barcode scanner
- Time-consuming manual counting and packaging of coins and banknotes is eliminated

Highlights

- Back-office staff are released to focus on other, more customer-related tasks
- Automatic dispensing of the daily floats saves a lot of time
- A banknote transport box ensures safe and easy handling by back-office/CIT
- Automatic counting of the day's takings per cashier or cash drawer
- Automatic verification of the takings, morning/evening the coins and banknotes are recirculated within the store, which means less need for buying cash
- All activities are registered and saved for tracking purposes processing accuracy assured with patented sensor technology
- Less shrinkage, fewer counterfeits and security risks



RCS-800



RCS-900



RCS-700

Technical Specifications

Technical Specifications	RCS-800	RCS-900	RCS-700
Deposit	Coins mixed, 12 coins per second	Notes in mixed bundle (200 notes), 8 notes per second	Notes mixed in bundle of 300 notes
Dispense	40 coins per second into till	8 notes per second in bundle of 100 notes	10 notes/second
Recycling Storage	Up to 25,000 coins, 8 coin hoppers	2,500-10,000 notes, 1-4 cassettes	3,400-12,800 notes in 1-4 cassettes
Denominations to Recycle	8	4	4 to 8
Storage Pickup / Overflow	5,500 coins in a plastic tray	3,000 notes stacked in a heat self-sealing bag or 4,000 notes in free fall canvas bag	Acceptance box 3,400 notes
Total Capacity	30,500 coins	12,500 notes	16,500 notes
Validator	SCAN COIN coin validator, ECB certified	Type 5a, ECB certified	Type 5a and 5b
Safe Grade	2-3 mm Steel	CEN IV	UL 291 and CEN IV
Size (W x D x H)	580 x 580 x 1,500 mm (22.83" x 22.83" x 59.1")	780 x 800 x 1,500 mm (30.7" x 31.5" x 59.1")	530 x 930 x 1,046 mm With PC height is 1,500 mm (21" x 37" x 41")
Empty Weight	380 kg (838 lbs.)	700 kg (1543 lbs.)	560 kg (1250 lbs.)



SDS-35 SDS-100 SDS-150 SDS-200 SDS-250 SDS-300 SDS-750

The Benefits of Smart Deposit Solutions

The Smart Deposit Solutions represent the perfect solution for both back office and front office environments. The SDS will cut the costs of cash handling through both internal optimisation as well as CIT pick-ups and deliveries. It is a secure, smart and high performing note deposit unit.

No manual counting

The notes are counted and compiled automatically.



User-friendly

Anyone can learn how to deposit and receive reports in just a few minutes.



Tailored reporting solution

Complete reports of deposits and total sum of each denomination are generated in real-time. Information on the time of deposit and who deposited is also always available.



Easy to install and clean

The solution requires only electricity and internet access. SUZOHAPP handles the installation and ensures your staff are properly trained.



Web based cash management

The machine automatically generates a report to your bank or CIT company at the end of the day.



Less visits by the CIT company reduces your costs dramatically

Through an online connection, the CIT company receives information when your machine is full and needs to be emptied. Today all CIT companies handle the Smart Deposit Solutions and they are experienced in operating the equipment.



High security keeps the money safe and reduce your insurance cost

A Smart Deposit Solution increases the security of your employees. The solution is classified and accepted by the insurance companies.*



Requires little space

Since the machine packs the bills, it can handle large volumes in a small area. It has a small footprint and can be placed even in the smallest environments.

*Applies with the customer's insurance

Maximize The Output Of Your SDS

Scalable Solution Meets Your Needs

Handling cash manually is a time consuming task. We therefore highly recommend you to install the complete cash solution of both a SDS note unit and a coin unit for complete cash automation.

Benefit from a complete system including all aspects of your cash handling such as deposit and dispense, CIT collection and reconciliation. It only takes seconds to make a deposit and to get your till ready. By installing a complete Cash Solution, you will dramatically decrease the time spent on cash handling. At the same time, you improve security for your employees and let them focus on more valuable tasks such as customer service and support.

Smart Deposit Solution



- ▶ Powerful back office Cash Deposit System
- ▶ Streamlined cash handling
- ▶ Improved in-store cash flow management
- ▶ Proven technology
- ▶ High security of cash
- ▶ Counterfeit detections
- ▶ Optimized CIT deliveries and pickups

Cash Recycling Solution



- ▶ Coin recycling unit for automatic counting
- ▶ Faster payments and increased customer service
- ▶ High speed and accuracy
- ▶ Reduced cash handling costs
- ▶ Counterfeit detections
- ▶ High security of cash
- ▶ Simplified the cash collections



Transform Your Cash Handling

The CashComplete™ SDS-35 Smart Deposit Solution improves accuracy, cash visibility and shrinkage protection for a complete transformation of your cash management. Monitor your cash levels, validate bills to prevent acceptance of counterfeits, and simplify the verification process to securely store notes protecting you and your employees. The SDS-35 is the ideal solution for businesses where cash volume, security and handling takes up a significant amount of staff and time

Reduce Shrinkage and Touchpoints

Shrinkage is the loss of cash due to hazards such as theft, accounting errors, and accepting counterfeit notes. These hazards can occur at each touchpoint within your cash cycle, greatly increasing the chance of shrinkage. Integrating the CashComplete™ SDS-35 at the point of sale will streamline your cash handling process by eliminating unnecessary touchpoints and immediately securing your cash.

▶ Increase Accountability

Increase Accountability Monitor deposits and pickups with unique user logins

▶ Automate Processing

Prevent counting errors of your cash inventory

▶ Prevent Counterfeits

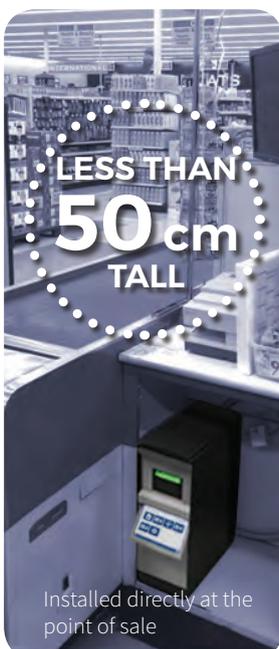
Instantly validate with MFL Bill validator, with 4-way read validation proven to protect against counterfeit notes being introduced into your capital



Easy-to-Use Operator Interface

The SDS-35 includes the industry leading CashComplete™ On-Device cash management operating system.

- Highly intuitive user interface used across the complete CashComplete™ portfolio
- Minimal training required
- Optimized for transaction speed
- Consolidated cash overview, reporting and machine monitoring by connecting to the cloud based CashComplete Connect™ management platform



Installed directly at the point of sale

Small Footprint

The SDS-35 is one of the smallest solutions on the market, allowing it to be installed directly at the point of sale for instant access. Less than 50 cm tall and weighing only 21.8 kg, the SDS-35 can be mounted directly under your counter top or directly to the floor.

Optional Features

Add a KUBE II printer for receipt printing to increase accountability.

Technical Specifications

Deposit	MFL 4-way read self-centering note validator
Deposit Speed	3 seconds per note
Storage Capacity	1,000 notes
Size (W x D x H)	188 x 336 x 496 mm (7.4" x 13.2" x 19.5")
Net Weight	21.8 kg (48 lbs.)
Power Supply	120 VAC 60Hz / 240 VAC 50Hz
Regulatory	UL, CE, and FCC
Printer	KUBE II USB Thermal Printer (Available Separately)

SDS-100, SDS-150, SDS-200, SDS-250, SDS-300

Cash**Complete**™

Retail Cash System With Note Deposit

The Smart Deposit Solution range consists of five solutions and can be connected to several coin units. This flexible solution assures you to always find the most suitable one for your business. Its high reliability and security with cutting-edge technology, in combination with its innovative functions, makes it a perfect partner for cash handling. Furthermore, the SDS range is connected to the CashComplete™ On-Device Software, which includes all the functionalities needed in the Retail world. You will get profile management, data management and automatic reports, whenever you need it.



The Smart Deposit Solutions range is available in different sizes, from SDS-100 for smaller businesses to SDS-300 for larger amount of notes. The bill validator is offering state of the art functionalities with a speed of 24 notes per minute. Smart Deposit Solutions can also be connected to a coin unit for complete cash automation. We will help you find the right solution to suit your specific needs.

Technical Specifications	SDS-100	SDS-150	SDS-200	SDS-250	SDS-300
Note packing, self seal bag	N/A	N/A	2,000 notes	3,000 notes	3,000 notes
Note packing, cassette	1,200/2,200 notes	1,200/2,200 notes	N/A	N/A	N/A
Bundle note in	Optional	Optional	Optional	Optional	Optional
Size (W x D x H)	210 x 676 x 747 mm 8.2" x 26.6" x 29.4"	330 x 676 x 747 mm 12.9" x 26.6" x 29.4"	450 x 625 x 730 mm 17.7" x 24.6" x 28.7"	450 x 625 x 1,070 mm 17.7" x 24.6" x 42.1"	645 x 640 x 1,010 mm 25.3" x 25.1" x 40.5"
Safety class	4 mm steel plate	4 mm steel plate	CEN I	CEN I	CEN IV
Drop box	Optional	Yes, In safe	Optional	Optional	Optional
Embedded PC	N/A	Yes, Windows	Yes, Windows	Yes, Windows	Yes, Windows
Touch screen (size)	N/A	7"	7"	7"	7"
Printer (size)	N/A	3"	3"	3"	3"
Barcode reader	Optional	Optional	Optional	Optional	Optional
Swipe card reader	Optional	Optional	Optional	Optional	Optional
Printer (size)	3"	3"	3"	3"	3"
Barcode reader	Optional	Optional	Optional	Optional	Optional
Swipe card reader	Optional	Optional	Optional	Optional	Optional

SDS-750

Cash**Complete**™

High speed Deposit Solution with Heat-Sealing Bag

The SDS-750 series is a high-speed note deposit solution for both back office and front office environments. The Smart Deposit cuts the costs of cash handling through internal optimization as well as CIT pick-ups and deliveries. It is a secure, smart and high performing note deposit unit.

High performance and reliability at your service

The high speed capacity together with high reliability and cutting-edge technology make the SDS-750 one of a kind on the market today. It gives you efficient, safe and reliable cash handling 24/7 with high return on investment. The solution is connected to the The CashComplete™ Connect Software smart software platform, which includes all the functionalities needed in the Retail and Banking world. The reliability and flexibility of the SDS-750 make it into a future proof solution adapted for your specific business needs.



The display strongly improves the user experience and assures efficient and easy cash management



Compatible with CashComplete™ Connect monitoring software



Technical Specifications

Bundle Note In	Yes
Note Packing, Self Seal Bag	Yes (5,000 or 10,000)
Drop Box	Optional
Embedded PC	Yes, Windows
Touch Screen Size	10.1"
Printer	80mm
Bar code Reader	Supports both 1D and 2D documents
Swipe Card Reader	Optional
Safe Grade	UL291 or CEN IV
Size (W x D x H)	510 x 610 x 1300 mm (20.1" x 24.02" x 51.18")

6-15
Months
The quickest
pay-back in
cash management!

Highlights

- Counting speed up to 1000 notes / min
- Thickness sensor
- Reject pocket - 100 notes
- Escrow capacity - 400 notes
- Connectivity - LAN
- Serial number recognition function
- Safe with security door according to UL 291 or CEN standard



SPS-600 & SPS-500

SPS-700 & SPS-800

SPS-500 & SPS-600

The Point of Sale Cash Recycling Solution

The SPS-500 & SPS-600 is the fully automated point of sale recycling cash solution to minimize manual handling in the check-out lanes. It is a closed end-to-end solution, securing the entire cash loop, from the checkout to the retailer's account, resulting in increased security, reduced costs and more flexibility. It significantly reduces the risk of robberies and theft as the cashier does not have access to the cash contributing to a safe working environment.

Why Point of Sale Cash Automation?

Let your customers pay quickly and easily with both coins and notes at the checkout. By using this secure and closed point of sale system retailers will minimise the incidence of counterfeits, counting errors and shrinkage.

Accurate Counting

World-leading sensor technology counts the coins and notes into the system, minimising the risk of counting errors and shrinkage. With their balanced capacity and size, the SPS-500 and SPS-600 are designed to fit existing counters, but have been sensitively designed for both current and future checkout styles. They also allow smooth integration with existing EPOS applications.

Paying with Coins

Coins can be paid a handful at a time, which speeds up the transaction. It also encourages consumers to pay with coins, helping retailers to avoid change shortfalls. Typically, the recommendation is to face the coin unit towards the consumer and coins can be inserted while products are being scanned.

Paying with Notes

Notes are inserted in the slot, which leads to a compact unit for easy integration in the checkout lane. It also means that the notes do not have to be sorted manually. Retailers can let the cashier accept and pay the notes into the system.

Technical Specifications

	SPS-500	SPS-600
Speed	3 notes per second	1 coin per second
Recycling Storage	6 drums with a capacity of up to 100 notes per drum	8 tubes with a capacity of up to 200 coins per tube
Reject Rate	0.06%	2%
Size (W x D x H)	222.2 x 380.0 x 842.0 mm (8.75" x 14.96" x 33.15")	276.5 x 296.0 x 998.0 mm (10.89" x 11.65" x 39.29")
Empty Weight	63.0 kg (138.89 lbs.)	37.0 kg (81.57 lbs.)

Specifications

	PC/Power Unit
Size (W x D x H)	580.0 x 224.0 x 65.7 mm (22.83" x 8.82" x 2.59")
Billets	6.0 kg (13.23 lbs.)



Monitored with CashComplete™ POS Supervisor Software

The supervisor software enables you to monitor the content and status of each machine by defining the minimum and maximum content of each "till". CashComplete™ Supervisor Software also stores all transactions from the tills and can generate End Of Day, transaction and other reports.

Dual Coin PRO



The Ideal Solution For Dispensing Large Amounts

Its exceptional structural strength, reinforced closing mechanisms and ccTalk protocol make it one of the most secure change machines on the market. The 32-bit CPU provides notable functions, such as importing/exporting configuration parameters, exporting accounting data and the useful function of machine cloning. The Dual Coin PRO can be equipped with the NV9 USB+ banknote reader with built-in stacker to stack up to 600 banknotes.

Highlights

- Distribution of coins and tokens
- Bonus function for tokens: Coins/tokens dispensed automatically or manually
- The separate dispensing of coins and tokens, which are contained in different hoppers, can be selected using the appropriate button
- Operation via ccTalk
- New 32-bit CPU with SD-Card
- Exporting of accounting data and importing of configuration parameters via SD-Card
- Machine cloning function
- Internal on/off controls to prevent tampering
- Pivoting door to facilitate dispenser-loading and cash box removal operations
- Additional doors for recharging the change machine (located on the cover)
- Installation options:
 - wall mounted, by means of 3 anchoring bolts to be inserted at the back side of the device
 - countertop
 - free standing



Installed peripherals

- Evolution hoppers with extensions
- NV9 USB+/NV10 USB+ banknote reader

Optional peripherals

- RM5 HD coin validator

Tools

Multiconfig

Software to configure the change machine

Optional accessories

- Brain remote control device
- Support base
- Reprogrammable lock
- Coin/token collection cups (max h 120 mm - Ø 145 mm)
- Cup dispensing tube
- Steel protective bars

Technical Specifications

Technical Specifications	Change Machine	Change Machine with Support Base
Size (LxHxW)	400 x 805 x 409 mm	400 x 1,620 x 409 mm
Weight	43 kg / 95 lb	60 kg / 132 lb
Power supply	230 Vac - 50 Hz	230 Vac - 50 Hz
Power consumption	60 W max	60 W max
Operating temperature	3 °C ÷ 50 °C	3 °C ÷ 50 °C

Coin Capacity

	0.5 €	1 €	2 €
2 Universal MK IV hoppers with extensions	7,000	7,000	6,500
Cash box	4,900	4,900	4,600

The Versatile Best Selling Change Machine

The Easy PRO fits perfectly into all environments: shopping centres, gyms, airports, service stations, arcades, offices, bars and internet cafés. The 32-bit CPU provides functions normally present only on change machines of higher range and price, such as importing/exporting configuration parameters, exporting accounting data and the useful function of machine cloning. The reinforced closing mechanisms make Easy PRO one of the most secure change machines on the market with respect to attempts of tampering and fraud.

Highlights

- Distribution of coins or tokens, dispensed automatically or manually
- Bonus function for tokens
- Connection of peripherals via ccTalk
- New 32-bit CPU with SD-Card
- Exporting of accounting data and importing of configuration parameters via SD-Card
- Machine cloning function
- Internal on/off controls to prevent tampering
- Pivoting door to facilitate dispenser-loading and cash box removal operations
- Special cover for the dispenser's extension: prevents coins from falling out in the event that the machine is tipped over
- Holes in the cabinet for fastening the unit to other machines or to external structures such as columns or pillars
- Installation options:
 - wall mounted (with the Easy UP kit)
 - countertop
 - wall mounted, by means of 3 anchoring bolts to be inserted at the back side of the device
 - free standing on base (optional)

Tools

Multiconfig
Software to configure the change machine

Installed peripherals

- Evolution Hopper with extensions
- NV9 USB+/NV10 USB+ banknote readers

Optional peripherals

- RM5 HD coin validator

Optional accessories

- Brain remote control device
- Kit for reinforcing change machines already in use
- Support base
- Easy UP installation kit
- Reprogrammable locks
- Steel protective bars



Technical Specifications

	Change Machine	Change Machine with Support Base
Size (LxHxW)	257 x 473 x 353 mm	257 x 1,436 x 353 mm
Weight	25 kg	38 kg
Power supply	230 Vac - 50 Hz	230 Vac - 50 Hz
Power consumption	60 W max	60 W max
Operating temperature	3 °C ÷ 50 °C	3 °C ÷ 50 °C

Coin Capacity

	0.5 €	1 €	2 €
1 Evolution hopper with extension	2,400	2,400	2,200
Cash box	1,400	1,600	1,300

Changeuro MultiCoin



Enviably Coin Capacity

The version with two hoppers with extensions can reach a coin capacity of up to 11,000 (1 € coins). The graphic label can be customized to increase visibility of the company logo.

Highlights

- Automatic or manual coin/token dispensing
- The separate dispensing of coins and tokens, which are contained in different hoppers, can be selected using the appropriate button
- Sheet metal with tubular security lock to guarantee optimal security
- CPU electronic board with collections data detection
- Internal on/off controls to prevent tampering
- Installation options:
 - wall mounted, by means of 3 anchoring bolts to be inserted at the back side of the device
 - free standing on a cabinet base



Tools

Programmer

Portable tool for on-field programming configuration and optional diagnostics



Optional peripherals

- 2 Evolution hoppers plus 1 Evolution hopper with extension
- 4 Evolution hoppers
- WorldKey or EuroKey Next cashless systems

Installed peripherals

- RM5 HD coin validator
- 2 Evolution hoppers with extension
- NV9 USB+/NV10 USB+ banknote reader

Optional accessories

- Cabinet base
- Protection devices with side locks

Technical Specifications

	Change Machine	Change Machine with Support Base
Dimensions (LxHxW)	530 x 650 x 355 mm	530 x 1,570 x 530 mm
Weight	43 kg	73 kg
Power supply	230 Vac - 50 Hz	230 Vac - 50 Hz
Current consumption	0.45 A	0.45 A
Power consumption	100 W max	100 W max
Operating temperature	0 °C ÷ 50 °C	0 °C ÷ 50 °C

Coin Capacity

	0.5 €	1 €	2 €
2 Evolution hoppers with extension	11,000	11,000	8,000
2 Evolution hoppers + 1 Evolution hopper with extension	8,500	8,500	6,400
4 Evolution hoppers	6,080	6,040	4,800
Cash box	3,000	3,000	2,100

Multi PRO



Quality, Technology and Safety in a Single Product

Latest technology, touch screen monitor and advanced functions for the Multi PRO, the revolutionary outdoor change machine, designed with the aim of meeting the operator requirements and combining innovation, simplicity and convenience. Based on state-of-the-art PC architecture, it allows the user to quickly manage multiple tasks, such as recharge cards and keys, change money, buy tokens and distribute cards or keys.

Highlights

- Possibility of paying with coins and banknotes or a card or key/card. If required, payment can be made with bankcards (chip or contactless)
- Rapidly change banknotes into coins and/or coins into tokens
- Sell tokens with 3 separate hoppers
- Give change in coins and banknotes
- Recharge credit on keys or cards
- Dispense cards and keys
- Print the receipt once the transaction is complete or if unsuccessful
- Management of promotional activities to purchase tokens or recharge keys or cards
- Vocal and graphic support
- Touch screen interface for fast and simplified operations
- Possibility of a remote connection to update and configure it
- Automatic accounting emails, automatic alarms emails
- Barcode reader
- Installation options:
 - free-standing
 - wall-mounted



Installed peripherals

- Anti vandal 5" touch screen
- Vocal guide
- Proximity sensor

Optional peripherals

- RM5 HD coin validator
- Currenza C² coin recycler (instead of RM5 HD)
- EuroKey Next cashless system
- 2 dispensers of cards or keys
- 2 NV9 USB+ banknote readers
- 3 Evolution hoppers
- POS or bankcard contactless reader
- Scanner for the barcode management
- Thermal receipt printer

Technical Specifications

	Free-standing	Wall-mounted
Size (LxHxD)	630 x 1,448.15 x 590	503 x 770 x 518 mm
Weight	140 Kg	70 kg
Power supply voltage	230 Vac	230 Vac
Current consumption	230 VA	230 VA
Operating temperature	-15°C to 50°C – humidity 10% to 90% not condensed	-15°C to 50°C – humidity 10% to 90% not condensed

Coin Capacity

	0.5 €	1 €	2 €
1 Evolution hopper	1,500	1,500	1,200
2 Evolution hoppers	3,000	3,000	2,400
3 Evolution hoppers	4,500	4,500	3,600

Evolution Hopper

High Dispensing Speed and Reliability

Based on a belt drive, Evolution Hopper is the result of an entirely new design, which represents a decisive improvement, in terms of both performance and ease of maintenance. The combination of extremely wear-resistant plastic resins with state of the art electronics has produced a device with low purchase and management costs. This type of hopper can be used for 95% of coins and tokens worldwide, without needing adjustments. Evolution Hopper is completely interchangeable with the other models available on the market. Suitable for many applications: Vending, Parking, Retail, Amusement.

Highlights

- Board easily accessible from outside and extractible for facilitating maintenance
- DC motor, driven by an electronic actuator, which reduces friction and noise
- Equipped with a built-in agitator to prevent coin jams, as well as with additional electronic anti-jam electronics
- The standard version can be easily transformed into the adjoining version by simply removing the cover, which is fastened by two screws, and moving the connector to the new position
- Interfaces: standard, parallel or ccTalk serial. The latter guarantees excellent security and diagnostics management
- High quality materials for long trouble free operations

Functions

- DC motor
- Double installation option: adjoining and standard
- Minimal maintenance
- Reduced noise
- Anti-jam electronics



Standard connector



Payout sensor easily accessible for maintenance

Technical Specifications

Size (L x H x W)	126 x 286 x 226 mm
Weight	2,5 Kg
Power supply	20 ÷ 24 Vdc ± 10 %
Current consumption	40 mA in stand-by - 2.5A during dispensing
Power consumption	0.8 W in stand-by - 50 W during dispensing
Operating temperature	0 °C ÷ 60 °C – relative humidity 5 ÷ 95%
Coins accepted	Ø 16 ÷ 30 mm – thickness 1.25 - 3.5 mm
Payout speed	4 - 5 coins per second



Board easily extractible from the outside

Coin Capacity

Capacity	1,500
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Flow Hopper

Innovative through Hole Hopper

Through hole hopper, suitable for various uses such as gaming, vending, parking and change machines. The innovative electronics and high resistance plastic materials ensure durability over time. Available in two versions: standard parallel and ccTalk.

Highlights

- Compatible with the other hoppers already on the market
- High payout speed of about 7 coins per second
- Available with three different coin bowls: medium, intermediate, large
- Reliable through hole coin disk design - no external wires run for level sensors
- Integrated fall tube for simple dual hopper cabinet construction
- ccTalk version available in encrypted and non-encrypted mode
- Parallel interface and 10 pin connector
- 12-24V power supply
- Low level sensor and anti-jam feature

Optional accessories

- 8 coin payout discs for combinations from 15.5 to 32 mm with thickness from 1.6 to 3.2 mm



Payout area



Security clip

Technical Specifications

Size (LxHxD)	127 x 155 x 154 mm (with medium coin bowl)	127 x 155 x 189 mm (with intermediate coin bowl)	127 x 155 x 228 mm (with large coin bowl)
Weight	757 g		
Power supply	12 ÷ 24 Vdc (min. 11 – max 26)		
Current consumption	30 mA in stand by 2.2 A (typical); 5 A (maximum) at motor start-up 0.5 A @ 12 Volt (typical); 0.6 A @ 24 Volt (typical); 0.9 A (maximum) during dispensing		
Operating temperature	0°C ÷ 50°C - Relative humidity: 10% ÷ 75%		
Coins accepted	Ø 15.5 ÷ 32 mm – thickness 1.6 - 3.2 mm		
Payout speed	7 coins per second		
Connection	10 pole connector (2x5 pitch 2.5mm) such as Molex series 8624 or similar		

Coin Capacity

	1 € (with medium coin bowl)	1 € (with intermediate coin bowl)	1 € (with large coin bowl)
Capacity	375	546	747

Cube MK11 Hopper

The Ideal Coin or Token Dispensing Unit

Suitable for high payout speed dispensing (up to 400 coins per minute) and characterized by a standard capacity of 350 coins (Ø 24 mm). Extensions are available to increase the capacity, with an average of 400 coins per extension. The square base allows for four different installation orientations, based on the customer's installation requirements. Conversion to different currencies is fast and easy. A sophisticated electronic control board, together with payout sensors, protects it against any possible accidental jams (the sensor must be kept clean and at a safe distance from any light source). Also available in the Dual Hopper version, which can payout 2 different types of coins.

Highlights

- Safer than ever, thanks to the new anti-theft metal plate and the new firmware
- Accepts coins of diameters between 18 and 31 mm and thicknesses between 1.5 and 3.2 mm (all Euro coins other than 1c)
- Available in ccTalk or parallel versions, with universal disc for 50 c - 1 € - 2 € Euro coins
- Also available in the Dual Hopper version, equipped with an additional sensor for measuring the coin diameter, as well as 5 special ccTalk controls for mixed coin payout
- Small, compact and easy to install, thanks to its practical installation kit (included)
- "Sun & Planet" gearbox, which allows for optimal operation with minimal consumption (from 350 mA to 850 mA with a peak of 2 A at 24 Vdc)
- "Sun & Planet" gearbox increasing the coin capacity to contain and count more than 1,200 coins with a 24 mm diameter with two extensions (max 2 extensions)
- Auto-reverse system to protect against accidental jams
- Second payout sensor available as option
- Two connection options: 10-pole in-line connector and 5x2 transition connector. A chain of peripherals (daisy connection) can be obtained using a ribbon cable



Anti-theft metal plate



Euro bridge

Technical Specifications

Size (LxHxD)	125 x 153 x 125 mm
Weight	780 g
Power supply	12 ÷ 24 Vdc ± 10%
Current consumption	30 mA in stand-by; max 3.3 A at 24 Vdc limited during dispensing
Power consumption	1 W max in stand-by - 80 W during dispensing
Operating temperature	0 °C ÷ 50 °C – humidity 20% ÷ 75%
Coins accepted	Ø 18 ÷ 31 mm – thickness 1.5 - 3.2 mm
Payout speed	±7 coins per second
Connection	In-line 10 pole connector - Type: molex series 6471

Coin Capacity

Capacity	350
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Optional accessories

- CBH1: board for connecting the hopper to ccTalk gaming machines with a 10 pole connector (5x2)
- Extension for increasing the coin capacity vertically
- Extension for increasing the coin capacity horizontally
- Hopper protection cover
- AGCAVOHOPPER: cable for connecting the hopper to machines that use the ccTalk protocol

RM5 HD

The Coin Validator with HD High-Discrimination System

5 different sensors and 10 recognition parameters to ensure a high level of recognition and discrimination of valid and counterfeit coins with an unprecedented speed of 6 coins per second (even of different values). Its innovative type of construction ensures strength and durability. The advanced electronic and mechanical anti-fraud systems guarantee excellent security in all installation modes.

Highlights

- HD high-discrimination system based on 10 different parameters regarding: frequency, dimensions and phase
- 5-sensor identification technology: 3 inductive sensors, 1 optical sensor and 1 magnetic sensor
- High acceptance speed: 6 coins per second, even of different values
- Compatible with all coin sorters available on the market
- Advanced electronic and mechanical anti-fraud system: electronic antifishing device, coin movement direction detection, 3 mechanical traps, and wire cutting blade
- Indicator LED
- Also available the USB version
- Also available in tropicalised version to be used in environments affected by adverse weather conditions



Tools



MultiConfig
Program for configuration via PC, which can be obtained free of charge from the download area at suzohapp.com



Virtual Dip Switch
A new device for on-site configuration operations.



PC Programming Kit
Includes coin validator support, test box, power supply, interface cable and the MultiConfig software

Versions

- USB
- Parallel Validator
- Parallel Validator with sorter
- Spain mode validator
- Binary Validator
- Confida Binary Validator
- Credit pulse emission totaliser with sorter control
- ccTalk Giochi Italia
- ccTalk Full

Mechanical configurations

RM5 HD is available in two versions, with a different acceptance channel:

- Version A, optimised for the euro, which accepts coins with a maximum diameter of 27 mm and maximum thickness of 2.4 mm
- Version B, accepting coins with a diameter of up to 31.5 mm and thickness of up to 3.2 mm

The versions are available in four models to meet different installation requirements:

Model	Coin entry	Coin reject
F	Top or front	Front
V	Top	Front
B	Top or front	Bottom / left
G	Top	Bottom / right

Technical Specifications

Size (LxHxW)	99 x 102 x 55.5 mm
Weight	200 g
Power supply	12 ÷ 24 (±10%) Vdc
Current consumption	Stand by: max 70mA During acceptance: max 400mA
Operating temperature	0 °C ÷ 55 °C - 10% ÷ 75% umidity non-condensed (standard vesion) -25 °C ÷ 70 °C (tropicalised version)
Coins accepted	Ø 16 ÷ 27 mm; max thickness 2.4 mm (Standard) Ø 16 ÷ 31.5 mm; max thickness 3.4 mm (with acceptance channel: 4.5 mm)
Acceptance speed (without sorter)	Up to 6 coins per second
Acceptance rate	95% + first insertion 98% + second insertion
MTBF (Mean Time Between Failure)	at 25°C is around 170,000 hours
MCBF	1,000,000

Optional accessories

- RM1000-ADATTA5 vertical adaptor for vending machines without coin recycler
- Validator Adaptor from 3½" to 5"
- Front plates: available in the versions mod. F1 (60x118 mm), F6 (60x152 mm)
- Coin collection funnels of various heights: 9/16/25 mm
- RM5 HD PC Kit: coin validator support, test box, power supply, interface cable and the MultiConfig software
- Customizable graphic label by quantity
- Wide range of coin starter (3,4,5-ways)

RM5 Evolution



The Record-Breaking Coin Validator

The RM5 Evolution coin validator is known worldwide for its quality and reliability. Its electronics combines extraordinary selectivity with extreme programming versatility: the Cloning system allows the transfer of the configuration parameters from one sample coin validator to another.

Highlights

- 3 pairs of inductive sensors which are used to process 6 different parameters regarding the material and the mass
- 3 pairs of optical sensors to determine coin's diameter
- A mechanical anti-fishing device
- An electronic anti-fishing device
- An electronic anti "intrusion" device (only for version F)
- Wire cutting blade
- Automatic optical sensor compensation system for variations in temperature, voltage and lighting
- Identification channels: up to 59, each of them can be redirected to the outlets. The first 6 support Self-Prog mode
- Open collection outlets
- Serial interface for external connections (portable programmer or PC) for calibrating and testing, as well as for updating the value and operating parameters tables
- Credit recognition: parallel, binary, pulse
- Also available in tropicalised version to be used in environments affected by adverse weather conditions



Tools

Clone 5
Programming, configuration and diagnostics software



Programmer
Portable tool for on-site programming, configuration and diagnostic operations

Model	Coin entry	Coin reject
G	Top	Bottom
F	Top or front	Front
B	Top or front	Bottom
V	Top	Front
M	Top or front	Bottom
S	Top	Bottom

Versions

- USB
- Parallel Validator
- Parallel Validator with sorter
- Spain mode validator
- Binary Validator
- Confida Binary Validator
- Credit pulse emission totaliser
- Credit pulse emission totaliser with sorter control
- ccTalk Giochi Italia
- ccTalk Full

Optional accessories

- RM1000-ADATTA5 vertical adaptor for vending machines without coin recycler
- Validator Adaptor from 3 1/2" to 5"
- Front plates: mod. F1 (60x118 mm) - F3 (60x180 mm) - F6 (60x152 mm)
- Special F6 front plate with lock
- Protection for the F6 front plate, to protect against break-in and fraud attempts
- Protection device to protect the RM5 against external agents, such as water or jets
- Coin collection funnels of various heights: 9/16/25 mm
- AGCAVO10P: standard cable to connect the coin validator to the host machine. Available lengths: from 15 to 250 cm
- RMPRINTERF5: cable to connect an RM5 Evolution to a PC in serial mode
- USB SERIAL: cable for converting a serial connection to a USB connection
- Programmer
- USB Kit
- MDB adapter
- Customisable label by quantity

Technical specifications

Size (LxHxW)	89 x 102 x 46,4 mm
Weight	185 g
Power supply	12 ÷ 24 Vdc ± 10%
Power consumption	4W at 12 Vdc
Current consumption	In stand-by: 35 mA max, 12 Vdc - During identification: 50 mA max, 12 Vdc - During acceptance: 340 mA max, 12 Vdc
Maximum current capacity	200 mA at 24 Vdc ±10% (from channel 1 to channel 4) 800 mA at 24 Vdc ±10% (from channel 5 to channel 6)
Operating temperature	0 °C ÷ 55 °C - 10 ÷ 75% humidity non-condensed (standard version) -25 °C ÷ 70 °C (tropicalised version)
Coins accepted	Ø 16 ÷ 31.5 - Thickness up to 3.3 mm
Recognisable coins	all euro coins from 1 c to 2 €
Acceptance speed	3 coins per second

Coin Changer and Recycler

Currenza C² with PRP (Payout Redundancy Protection) system is specifically designed for the operator: it minimizes machine down time and assures high safety in every applications, making the vending machine more profitable and reliable.

Highlights

- Acceptance and payout of all circulation coins (also 0,01 €)
- 6 self-filling tubes reducing refilling needs and providing optimum set-up of payout configuration and float level and easy access in case of maintenance
- PRP System (Payout Redundancy Protection) 6 tubes cassette and 3 independent motors for high payout safety and the minimization of down time
- Modular cassette structure for great freedom in tube configuration
- Payout combination optimization to meet each machine's planogram and site users payment behavior
- High payout speed of up to 6 coins per second and acceptance speed of up to 3 coins/second
- MFT technology providing a more secure coin validation, sensor system to measure up to 40 different parameters
- Easy and fast programming with user-friendly intuitive menu
- Henri Service module with updating slot and USB port for programming, configuration change and firmware updating
- USB/RS232 port to speed up integration with PC-based solutions
- Easy access to validation and sorting area for maintenance



Tools

Audit manager

Free of charge management software with EVA-DTS / DEX-UCS file data retrieval including "Audit knob" function to freeze data until data retrieval is remotely completed

Optional accessories

- Henri Service module
- External box to connect Currenza C² to small automatic and semi-automatic vending machines

Tubes combinations

Diameter (mm)	Tubes					
	A	B	C	D	E	F
29.0 – 32.5	•					
26.5 – 29.0	•		•			•
24.5 – 26.5	•		•		•	•
23.0 – 24.5	•	•	•	•	•	•
21.5 – 23.5	•	•	•	•	•	•
20.0 – 21.5		•	•	•	•	•
18.5 – 20.00		•	•	•	•	
17.0 – 18.5		•		•	•	
16.0 – 17.0		•		•	•	
15.0 – 16.0		•		•		

Technical Specifications

Size (L x H x W)	80.00 x 377.10 x 137.75 mm
Power supply	BDV: 18V ÷ 43V DC USB/RS232 MDB: 18V ÷ 43V DC Battery MDB: 11V ÷ 43V Executive version: 24V AC
Power consumption	- Stand-by mode: 2.5W max - Coin payout: 16.0W max - 48W max with 3 motors - Coin acceptance: 16.0W max
Operating temperature	-25°C ÷ +65°C

Tubes capacity

Coins	
2 €	72
1 € - 0,50 €	69 - 67
0,20 €	75
0,10 € - 0,02 €	83 - 97
0,05 €	95
0,01 €	97

Versions

- **Blue (EXE, MDB)**
with display and keys
- **White (MDB)**
without keys or display



ICS (Intelligent Coin System)

The Innovative Coin Handling Device

The ICS is a revolutionary new coin handling machine able to process up to 8 different size coins without the need of pre-sorting the coins by the user. Due to its compact design and spacious size (up to 1,600 various sized coins), it is ideal for many applications, and supports a minimum coin-in to coin-out height solution. Thanks to its patented design and SUZOHAPP's long standing experience in coin handling, this device is a world first currency solution, able to be integrated into various machines in different markets for example: parking ticket machines, self-checkout stations, money changers, kiosks and vending applications. ICS's intelligent interface gives you the possibility to directly manage the payout composition or make the calculation itself as to the amount of coins per type to be supplied based on the denomination it holds. It is also able to dispense 4 coins simultaneously.

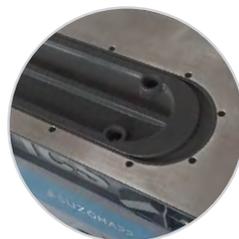
Highlights

- Compact design
- High capacity: up to 1,600 coins (euro mix)
- Up to 8 different denominations managed at the same time
- Customizable for country specific coin mix
- Wide coin diameter and thickness range
- Ready to dispense buffer of coins per denomination
- Simultaneous 4 coin payout per cycle (max 4 coins per second)
- Easy access for maintenance



Technical Specifications

Size (L x H x W)	370 x 198 x 248 (mm)
Supply voltage	12Vdc (+/-10%); 24Vdc (+/- 10%)
Storage Temperature	-20°C to 70°C
Operating Temperature	0°C to 50°C
Storage Humidity	10% to 95% non-condensing
Operating Humidity	10% to 75%



Compact design: one product that works as 8 hoppers and sorter (Reduction of components integrated into the cabinet)



High payout speed and safety: it guarantees the correct payout per coins denominations

CAM-200

SCAN COIN

Individual Solution to Fit into Your Coin Counting Machine

The CAM-200 is the most reliable coin counting module on the market. It has a counting speed of up to 800 coins a minute and the ability to validate up to 32 separate denominations. It contains only 2 moving parts, namely the hopper motor and reject solenoid. The CAM-200 has been designed to allow easy access to the complete coin path for jam clearance and preventive maintenance.

Highlights

- Robust plastic hopper
- The sensors validate each individual coin
- Coins and tokens not accepted are rejected by the solenoid
- The sensors can handle up to 32 denominations
- Coin templates available for most countries
- Built for Bulk coin deposits

Dongle features

- **Unique design**
The special hardware lock fits to the CAM
- **The brains behind the CAM**
The dongle contains the software and configuration for the CAM
- **Programmable**
It enables/disables features in the CAM for different customers
- **User-friendly**
The dongle is easy to change to a spare CAM when servicing. Just replace the dongle on the new CAM – it is as simple as that. All transaction data and customer configurations are maintained

Sensor details

The coin sensors are tested according to regulation (eu) number 1210/2010 of the european parliament and of the council of 15 December 2010 concerning authentication of euro coins and handling of euro coins unfit for circulation. This explains why the CAM-200 is so secure at validating true coins and rejecting false/ counterfeit coins.

The sensors measure five coin parameters:

- 1 Permeability
- 2 Thickness
- 3 Diameter
- 4 Conductivity 1
- 5 Conductivity 2

Additional virtual parameters (ASA) add more information to the discrimination algorithm.



A rotating disc feeds the coins one at a time onto the coin rail



Dongle contains the software and configuration for the CAM is included

Optional features

- **Automatic Coin Cleaner (ACC)**
The ACC separates debris from the coins prior to counting, enabling maximum uptime and reliability
- **Escrow**
Enabling the user to cancel the operation and so return all the coins
- **Multi currency availability**
Ideal for customers who handle more than one currency. All is done by the CAM-200 – you do not need two separate coin counting machines

Technical Specifications

Measurements with optional ACC (WxDxH)	300 x 525 x 300 mm
Measurements optional Escrow (WxDxH)	380 x 310 x 220 mm
Counting speed	up to 800 coins/minute
Coin diameter range	14.0 - 33.0 mm
Coin thickness range	1.0 - 3.5 mm
Escrow (optional)	capacity of approx. 1300 pieces mixed euro coins
Power supply	24 VDC
Operating temperature	15 - 35 C°

Coin Counting Technology You can Trust

The CAM-208 is the most reliable coin acceptance and sorting module on the market. It has a counting speed of up to 800 coins a minute and the ability to sort up to 8 denominations. It contains only 3 moving parts, namely the hopper motor, reject solenoid and sorting motor. The CAM-208 has been designed to allow easy access to the complete coin path for jam clearance and preventive maintenance.

Highlights

- Robust plastic hopper
- The sensors validate each individual coin
- A rotating disc feeds the coins one at a time onto the coin rail
- Coins and tokens not accepted are rejected by the solenoid
- Built for Bulk coin deposits
- Coin templates available for most countries
- The sorting mechanism can sort up to 8 denominations
- The correct sorting position by coin diameter is controlled by the sorting plate

Dongle features

- **Unique design**
The special hardware lock fits to the CAM
- **The brains behind the CAM**
The dongle contains the software and configuration for the CAM
- **Programmable**
It enables/disables features in the CAM for different customers
- **User-friendly**
The dongle is easy to change to a spare CAM when servicing. Just replace the dongle on the new CAM – it is as simple as that. All transaction data and customer configurations are maintained

Sensor details

The coin sensors are tested according to regulation (eu) number 1210/2010 of the european parliament and of the council of 15 December 2010 concerning authentication of euro coins and handling of euro coins unfit for circulation. This explains why the CAM-208 is so secure at validating true coins and rejecting false/counterfeit coins.

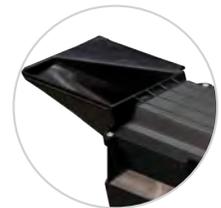
The sensors measure five coin parameters:

- 1 Permeability
- 2 Thickness
- 3 Diameter
- 4 Conductivity 1
- 5 Conductivity 2

Additional virtual parameters (ASA) add more information to the discrimination algorithm.



Rotating disc



Robust plastic hopper

Optional features

Automatic Coin Cleaner (ACC)
The ACC separates debris from the coins prior to counting, enabling maximum uptime and reliability



Technical Specifications

Measurements with optional ACC (WxDxH)	300 x 525 x 300 mm
Counting speed	up to 800 coins/minute
Coin diameter range	14.0 - 33.0 mm
Coin thickness range	1.0 - 3.5 mm
Escrow (optional)	capacity of approx. 1300 pieces mixed euro coins
Power supply	24 Vdc
Operating temperature	15 - 35 C°

MFL®

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.

Highlights

- 98% or higher acceptance rate
- Patented multi-sensor technology with self-calibration and removable sensor module
- Aligning mechanism straightens the misaligned banknotes
- Robust mechanism and beltless bill path
- Lockable and secured cash box
- It supports multiple protocols and has a standard footprint
- Updates by smart-stick memory card or host machine



Technical Specifications

Size (LxHxW)	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.
Accepted banknotes	62 ÷ 82 mm wide and 124 ÷ 172 mm long
Power Supply	12 Vdc or 24 Vdc
Current consumption	12 Vdc: 2.0 A or 24 Vdc: 1.0 A
Operating temperature	0° ÷ 50°
Storage temperature	-30° ÷ +60°C

Intelligent Coin Recycling

Bill-to-Bill 300™ is the multi-width front load bill recycler with high acceptance rates and superior counterfeit detection with patented technology. It is characterized by an advanced sensors technology that improves authentic bill recognition and protects against counterfeits. The validated bills are distributed between three recycling cassettes and one lockable-removable drop cassette. A maximum of 3 denominations may be directed to the recycling cassettes, and other denominations to the drop cassette.

Highlights

- 98% + first time insertion acceptance rate. Acceptance speed: 2.3 seconds per banknote
- Bill acceptance: lengthwise in four directions
- Barcoded coupons: 2 ways face up (encoding standard: ANSI/AIM BC2-1995, Uniform Symbology, Interleaved 2 of 5)
- Industry's first self-centering mechanism
- Sensors: patented optical, inductive, dielectric and cross channel (anti-stringing)
- Multi-note dispenser for dispensing up to 20 notes in bulk
- Multi Escrow: option to direct all validated bills to recycler. Facilitates return of all bills in case of a cancelled transaction
- Up to 2 high-security locks protecting 1000-note metal cashbox contents. One additional lock to lock cashbox to device
- High impact resistant cash vault. Durable, metal chassis
- Choice of single metal or plastic bezels
- Interfaces: RS232, serial
- CCNET protocol
- Modular design allows easy maintenance and quick clearance of any jams. Full frontal access, eliminating need for special mechanism for rear access.
- Flash memory for software updates
- Up to 3 recycling cassettes (each cassette holds up to 100 notes)
 - "Smart" cassettes save content information for easy swapping
 - Individually configurable to any denomination



Technical Specifications

Size (L x H x W)	163 x 569 x 378 mm
Weight	18 Kg, Cashbox 1.4Kg
Bill width validated	62 to 82 mm
Length of bill	maximum 172 mm, minimum 124 mm
Dispensing speed	1.4 second per bill
Power Supply	24 Vdc
Current consumption	- Operating mode: 2.7A (4A peak) - Standby: 0.7A
Operating temperature	0° to 50°C
Storage temperature	-30° to 60°C 30%-90% RH (humidity non condensed)

Banknote Capacity

Recycling cassette	3x100-120 bills
Drop-Proof Cash Box	1,000 bill

Bill-to-Bill 300 XE™



Advanced Technology

Bill-to-Bill 300 XE™ is the innovative bill validator with high acceptance rates and superior counterfeit detection with patented technology. It validates, recycles and dispenses banknotes reducing the overall cash on hand and the operating costs. It is characterized by an advanced sensors technology that improves valid bill recognition and protects against counterfeits. The validates bills are distributed between three recycling cassettes and one lockable-removable drop cassette. A maximum of 3 denominations may be directed to the recycling cassettes, while the other one will be directed to the drop cassette. It's suitable.

Highlights

- 98% + first time insertion acceptance rate
- Validation technology: optical, capacitive and inductive sensors technology. Sensors: patented optical, inductive, dielectric and cross channel
- Bill acceptance: stacks of up to 25 bills, lengthwise in four directions. Four-way bill insertion and belt transportation system
- Barcoded coupons: 2 ways face up (encoding standard: ANSI/AIM BC2-1995, Uniform Symbology, Interleaved 2 of 5)
- Bill width validated: 67 to 71 mm wide (fixed width) and 62 to 82 mm wide (multi width). Length of bill: maximum 172 mm, minimum 124 mm
- Up to 3 Lockable Recycling Cassettes. Recycling cassettes not only locked to chassis but also locked if removed to restrict access to cash during maintenance or transportation
- Drop-Proof Cash Box. RFID option in Cash Box for full tracking of cash content and cash collection personnel IDs. Docking station for RFID Cash Box for automatic print out of contents. SW tools for cash tracking and consolidation
- Multi-note dispenser for dispensing up to 20 notes in bulk
- Multi-escrow application: all validated bills will be directed from the validating head into the recycling cassette
- Up to 2 high-security locks protecting 1000-note metal cashbox contents. One additional lock to lock cashbox to device
- High impact resistant cash vault. Durable, metal chassis
- Dual Bezel design for improved protection against vandalism. Bezel options: standard, LED, LED with digital display (optional infrared port), LED with digital display and smart card (optional infrared port)
- CCNET protocol allows for easy, remote online download
- Battery backup to ensure that transaction are complete, even when power failures occur



Banknote Capacity

Recycling cassette	3x100-120 bills
Drop-Proof Cash Box	600 or 1,000 bill capacity

Technical Specifications

Size (L x H x W)	168 mm x 562 mm x 390 mm (inside the cabinet)
Weight	< 21 Kg
Dispensing speed	1.4 second per bill
Power Supply	24 Vdc
Current consumption	- Operating mode: 2.7A (6A peak) - Standby 0.7A
Operating temperature	0° ÷ 50°C
Storage temperature	-20° ÷ 60°C 30%-90% RH (humidity not condensed)

Bill-to-Bill TD™ Top Dispenser



Highlights

- 98% + first time insertion acceptance rate
- Multi-escrow up to 20 bills
- Multi-width validating head
- Lockable recycling cassette
- Banknote dispenser closer to the banknote accepting module
- Max Recycling capacity: 3 x 100 Banknotes
- Dispensing capacity: up to 20 banknotes
- Cash capacity: 600/1,000 banknotes
- RFID on cashbox optional
- CCNET protocol allows for easy, remote online download
- Interface: Serial RS232



Bill-to-Bill ST™ Stackerless

Highlights

- The first 3 denomination banknote recycler with free-fall capabilities
- The smallest banknote recycler that maintains one of highest recycling capacity of 300+ banknotes
- Easy upgrade path from a single note recycler to a full 3 note recycler with escrow functionality
- State-of-the-art validation technology and top of the line performance
- Banknote dispenser closer to the banknote accepting module
- The locking mechanism has been relocated to the top
- Included additional sensors for note tracking to improve reliability



Bill-to-Bill 300™



Bill-to-Bill 300 XE™ Recycler



Bill-to-Bill TD™ Top Dispenser



Bill-to-Bill ST™ Stackerless

HEAT SEAL BAG SOLUTION (HSBS)

SCAN COIN

The New Solution to Enable Heat-Sealing of Bags within a Safe

This solution adds an extra layer of security to safes. It can be used as a conversion kit for existing safes. Similarly, it is ideal for integrators in need for building note deposit safes with bag sealing technology. In this way the money can only be accessed by the CIT company or the bank. The HSBS is an important way to reduce the possibility of shrinkage. The HSBS comes with the service software tools.

Highlights

- **Secure**
The bag is sealed automatically before safe is opened
- **User-friendly**
It is easy to use and easy to integrate
- **It saves you money day-for-day**
This saves on manpower and costs as there is no longer the need for the four-eye principle when exchanging the bag
- **Software included**
The HSBS includes the SCAN COIN software tools
- **Safe seal**
The seal technology is based on heat sealing and is controlled
- **Intelligent**
The sealer controls the blocker in the door to avoid any safe opening with open bag



Benefit from over 20 years of experience

The HSBS enables the use of regular heat seal security bags, in other words low cost bags can be used here. Therefore, the bag design is based on commercially existing safebags, including a safe seal and security features known by industry

Technical Specifications

Power supply	24V
Power consumption	230W
Weight	7kg
Size (WxDxH)	400 x 400 x 100 mm - Includes slides for pull out of 700 mm
Seal length	220 mm
Bag entry	200 x 150 mm
Maximum note capacity	3,000 notes

3M Touchscreens



Extended Durability for High Use Applications

MicroTouch™ ClearTek™ capacitive touch screens, manufactured by 3M Touch Systems, are the preferred touch solution for applications that require fast and accurate touch performance.

Highlights

- Flat capacitive profile sensor incorporates advanced construction techniques
- Thin, sleek design which provides easy installation into flat panel displays and flat CRTs
- Transparent overcoat, which significantly increases the physical durability of the surface by allowing it to resist scratches and abrasions
- Popular applications include kiosks, ATM installations, point-of-sale, industrial equipment, gaming machines, and vending



Open-Frame Touch Monitors



90-SERIES

The Elo 90-Series family addresses demands from customers looking for affordable projected capacitive touch technology (PCAP) platforms, to ensure better screen durability and performance. Designed with Elo's innovative 2-glass (2GS) PCAP solution, the 90-Series brought a complete new level of rugged, more sensitive, multi-touch monitors for enhanced user experiences. With 12 different models featuring true-flat glass-to-edge surfaces and bezeled options, Elo's 90-Series monitors are available in sizes ranging from 10 to 27-inches.

Highlights

- Next generation PCAP 2GS (two glass solution) technology delivers both a ten touch "tablet like" interactive experience along with through touch capabilities that deliver durable performance in high traffic settings
- PCAP units to pass UL Ball Drop test/IK07 or IK08
- Purpose-built open frame architecture designed for hassle-free installation and cable management
- Common electronics and mechanical design across all sizes (VGA, Display Port, serial, USB, RJ45, HDMI)
- Drop in replacement with backwards compatibility allows for plug-and-play replacement of existing units - (X,Y dimensions and mounting will be the same as current products - Z dimension will be the same or thinner)
- Only Elo produces the touchscreens, controllers, and drivers and combines them into a finished touch system that is designed to be a next-generation solution used by leading global brands



VisionPro Monitors



SUZOHAPP can assist you with all kind of monitors applications. For OEM and upgrade projects we have an experienced sales team and engineers to create the perfect touch or non-touch monitor for your application.

Customized Display Solutions

- Sizes from 6.2" up to 98"
- Complete LCD and touch integration
- Custom specifications
- With or without surrounding LEDs
- Various touch technologies
- Various specialties (optical bonding, privacy filters or sun protection foils)
- 1-year warranty



Display Components and Boards

- Key panel manufacturers (LG, AUO, Samsung)
- Panels combined with high quality A/D boards

STC Round Key Camlocks



High reliable range of camlocks of different sizes to satisfy customer needs. The locks are available both as key different and key alike.

Highlights

- 7-pin tumbler lock
- Housing with chrome finish
- Round chrome plated key
- Available as key different and key alike
- Available in: 16 mm (5/8"), 22.3 mm (7/8") and 28.6 mm (1-1/8")
- Cam included



All new key alike series are supplied in lots of 25, 50 or 100 pcs with a total of 5 keys per key code. Re-orders on the same key code are possible with a minimum of 25 locks per key code.

Cooling Fans



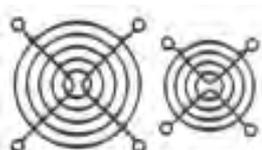
DC Cooling Fans

- Compact cooling fans
- Wire connection
- 12 or 24 Vdc
- Speed up to 5800 RPM



AC Cooling Fans

- Protects electronics from over heating
- Easy mounting with 4 bolts
- Terminal or wire connector
- Speed up to 3000 RPM



Finger Guards for Cooling Fans

- Protects electronics from over heating
- Easy mounting with 4 bolts

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