

A photograph of a modern city street with tall glass skyscrapers on both sides. The street is paved with cobblestones and has a few people walking. The overall color palette is blue and grey.

Cash Management 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, vending, banking, gaming 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 operates in 19 countries and its dealer network covers more than 100 countries.



1,100+  
employees



50,000+  
products



35  
facilities



25,000  
customers



115  
Engineers



Hundreds  
of patents



## VISION

To be the global market leader in technology-driven cash management, self-service, and gaming devices through our commitment to people, customers, and quality



## MISSION

To provide our customers with excellent service and high-quality components, solutions, and software that create significant value for their business



## CORE VALUES



AGILITY



CUSTOMER  
FOCUS



INNOVATION



INTEGRITY



RELIABILITY



TEAMWORK

## PRODUCT BRANDS

SUZOHAPP is a diverse company with multiple brands and product lines

**SCAN COIN**

Cash**Complete**™

**Comestero**

**Bill4Bill**™

**currenza**

**coinCO**

**VisionPro**™

**CompetitionPro**

**BilliardPro**

**InteractivePro**

We take pride in our products, we take care of our customers and we value our people

# Global Reach

SUZHOP is a global company with a worldwide presence and a diverse workforce. SUZHOP has grown rapidly to meet the needs of the markets, expanding the breadth of its product offering and service capability. Its best-in-class product and service offerings create significant value and operational efficiencies for customers all over the world.

- International coverage through national subsidiaries
- Worldwide presence with a global service network
- Distribution partners all around the globe
- Variety of customers across multiple business segments



## Around The World & Around The Corner

In addition to the offices and manufacturing sites located on the map, SUZHOP has strategic partnership agreements with Value Added Distributors, Gaming Channel Partners, and Contract Service providers in those regions where market or license conditions dictate.

## Your Strategic Partner

SUZHOP's logistical support and supply chain configuration builds on its total value proposition by providing customers with cost saving delivery "From Our Door to Your Production Floor". Through continuous communication and feedback, the SUZHOP supply chain team works closely with customers and factories to maintain a steady product supply while eliminating costly additional inventory. We are firmly committed to providing the best customer service to all customers.



# Manufacturing Capabilities

## Adding Value Through Manufacturing

SUZHAPP continually improves its engineering, manufacturing, service and distribution capabilities to meet the needs and exceed the expectations of its valued customers. With many years of industry experience and production excellence, SUZHAPP has developed innovative customer-centric engineering and manufacturing processes.

SUZHAPP designs and manufactures products that are used extensively in Gaming and Amusement devices as well as in demanding Industrial, Vending, and Transportation applications. In-house design, development and production resources located in multiple SUZHAPP facilities, ensure that projects are efficiently taken from concept to completion.

## DESIGN & ENGINEERING



Design & Prototyping

### Equipment

- CAD workstations
  - Pro/Engineer
  - SolidWorks
  - AutoCAD
- FDM prototyping machine (3D printing technology)

### Capabilities

- Quick turn-around
- In-house prototyping

### Resources

- 30 Engineers
  - Electrical
  - Mechanical
  - Software

## LCD, TOPPERS & KIOSKS



LCD Production

### Equipment

- Integrated toppers
- OEM open frame
- LCD integration
- Signage & custom assemblies
- Bid specification & RFQ

### Capabilities

- 20,000 pieces per year

### Resources

- 3 Engineers

## PLASTIC INJECTION, TOOL & DIE



Direct Injection

### Equipment

- 5 - CNC mills
- 5 - Lathes and grinders
- 1 - Wire EDM
- 28 Injection machines

### Capabilities

- Sizes from 25-1,600 tons
- 20 million pieces per year
- 24-hour operation
- Insert & over-moulding
- Design to first shoot within 10 days
- 15 tools per month

### Resources

- 65 dedicated staff
- +35 flex staff

## PCB PRODUCTION



PCB Production

### Equipment

- SMT high speed mounter
- SMT inspection
- Wave solder

### Capabilities

- Surface mount
- Through-hole
- 150,000 boards per month

### Resources

- 25 dedicated staff
- +15 flex staff

## ASSEMBLY



Assembly

### Equipment

- 12 - Conveyor lines
- 30 - Workstation cells

### Capabilities

- 50 assemblies per hour, per line/cell
- Service and Repair
- Assemblies with up to 1,000 components

### Resources

- 100 dedicated staff
- +100 flex staff

## QUALITY ASSURANCE



Quality

### Highlights

- ISO 9001
- Testing services and capabilities

### Resources

- 30 FTEs in area of quality control and assurance

## Manufacturing and Distribution Facilities



### Manufacturing Site and Logistics Hub Poland

- Poznan, Poland
- 20,000 sqm
- 130 employees
- 400 product lines produced daily
- Coin validators, coin and bill recyclers, change machines, cash points for self-service laundrettes, car wash starter systems, cash management solutions



### Manufacturing Site China

- Zhuhai, China
- 12,000 sqm
- 250 employees
- Turnkey design / manufacture
- Interactive touch displays
- Transparent LCD technologies
- Cash handling technologies
- Printers, card/barcode readers, NFC/RFID, cameras
- Kiosks, loyalty and betting terminals
- Digital signage
- LED lighting and back lighting technologies



### Manufacturing and Distribution Site North America

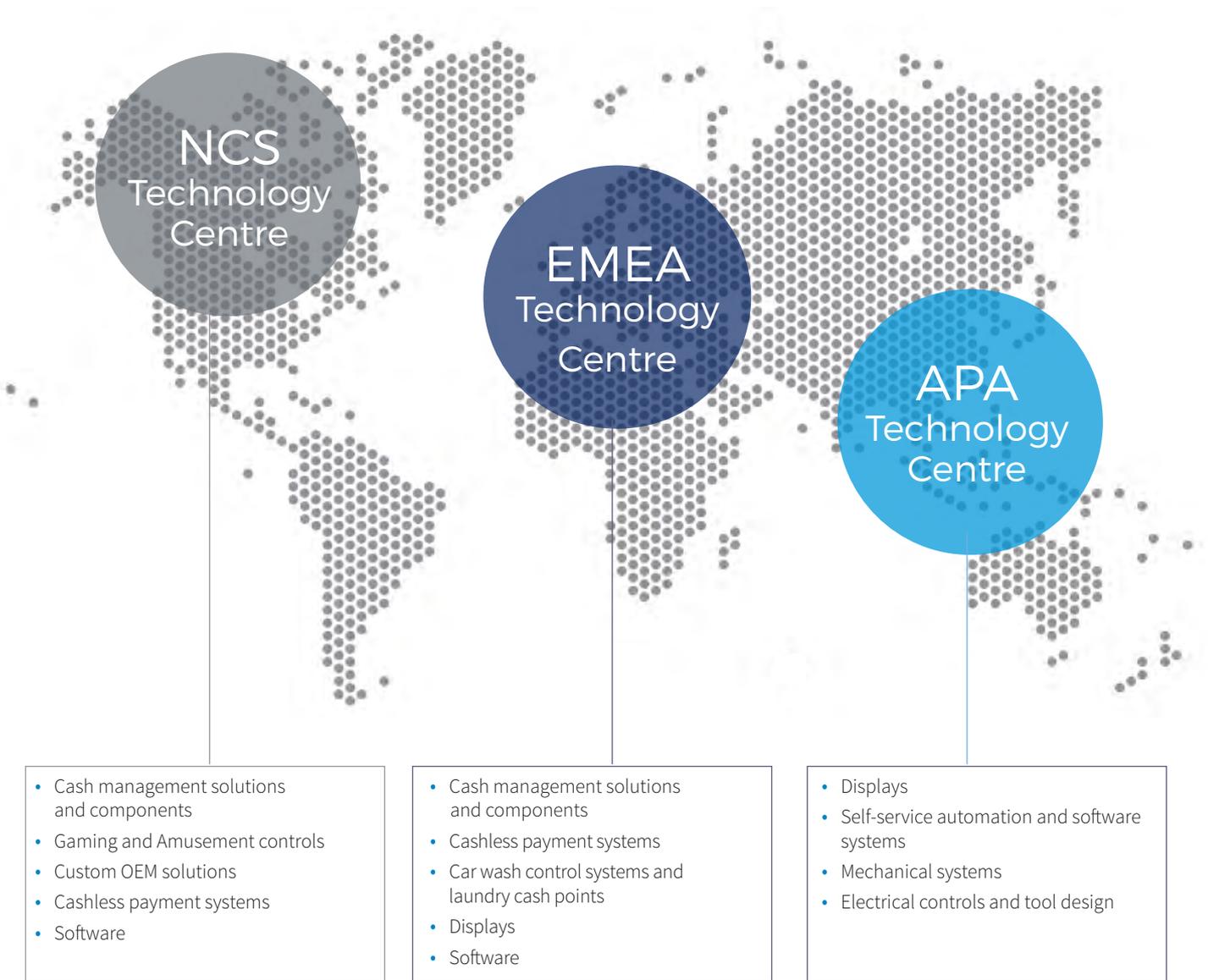
- Mount Prospect, IL and Las Vegas, NV production locations
- Over 6,000 sqm
- Assembly, Distribution, Service and Support
- Cash Management Solutions: Note recyclers, coin recyclers, deposit safes
- Components & OEM: Joysticks, buttons, coin doors, LCDs, reel mechs, toppers, game controls

# R&D Capabilities

## Investment in research and development is a top priority

Global product management teams meet continuously to develop new products and custom solutions for customers' ever-changing needs. Dedicated industrial, mechanical, and electrical engineering teams provide complete design, as well as component selection. SUZOHAPP utilizes contemporary modelling technology to produce accurate designs with competitive costs and short lead times.

## Technology Centres



SUZOHAPP's Research & Development team is centralized into one global engineering centre of excellence, SUZOHAPP Technology Services (STS). This highly skilled department develops and supports the company's core technology, accelerates new product development and leads the introduction of innovative technologies.

## Design activities and expertise provided include:

- Turnkey design/manufacture of individual parts to complete machines - from concept development through final, highly engineered solutions
- 2D and 3D CAD Design – using SolidWorks for part/assembly modelling and drawings
- Metalwork/plastic design and electrical/wiring harnesses, virtual and physical prototyping, and product renderings
- Design of injection moulds and tooling
- Rapid prototyping through in-house 3D printing capabilities
- Proprietary electronics and PCB Design using the leading software package Altium
- Programming for microprocessors and Advanced Risk Machines (ARM), software development in most operating systems including Windows, Linux and Android OS
- Compliance testing and documentation, including UL

## Examples of some of the technologies SUZOHAPP works with:

- The latest LCD and touchscreen technologies, including projective capacitance
- LED lighting and back lighting technologies
- Embedded micro controllers and CPUs
- Electromechanical and mechanical systems

SUZOHAPP's dedicated team has been central to the success of many product deployments to the global amusement, gaming, industrial, transportation and vending markets.

## Projects have included:

- LCD retrofit integration
- Custom designed displays, including transparent LCD technology
- Interactive touch displays, large and small
- Cash handling technologies
- Printers, card/barcode readers, NFC/RFID, cameras
- Kiosks, loyalty and betting terminals
- Digital signage



## Workshop Service

Highly experienced lab technicians can repair parts to component level, utilizing the latest diagnostic equipment and techniques. SUZOHAPP can also redesign, re-engineer, restore or re-manufacture parts and components reducing your business maintenance costs.

### Repair Services

- Electronic gaming machines
- Jackpot systems and player tracking hardware
- POS systems, ATMs, self-service terminals
- Cash handling – bill acceptors, coin mechanisms, hoppers
- Data scanners, PDAs, PC mainboards, logic boards
- LCD displays, touchscreens
- LCD and CRT monitors, power supplies
- Electronic assembly and manufacturing services
- Electronic kiosks
- Wagering terminals
- Other electro-mechanical assembly work

### SUZOHAPP technicians are highly skilled

- IPC certified specialist technicians ensure the highest quality in surface mount, hole through and wave soldering
- Experienced in repairing multilayer boards
- Ability to perform circuit programming (FPGA, JTAG) and program microprocessors (TQFP, SSOP, EPROM)

### SUZOHAPP technical experts:

- Re-work and re-flow BGA ICs
- Give logic boards, main boards and A-D boards a new lease on life
- Refurbish circuit boards for most popular gaming machines and electronic equipment
- Repair bill validators, ticket printers, hoppers and coin mechanisms, giving considerable savings compared to the cost of replacement

# Modernizing Bank Branches

The future of banking is a customer-focused, value-driven model compared to the product-focused, offerings centered model of the past. To attract customers who will become long-term loyal consumers, banks must enhance the customer experience. The threats and opportunities for the future of banking are as follows:

| Threats   | Opportunities  |
|---|--|
| Diminishing customer loyalty  | Focus acquisition on customer wants and needs  |
| Restriction of profitability by regulators  | Focus retention on value-add incentives for the customer   |
| New technology that allows financial functions to be performed outside the branch | New technology that allows financial functions to be performed outside the branch  |
| Increase spread of goodwill or bad-will via social media                          | <ul style="list-style-type: none"> <li>• Build partnerships to expand the value proposition to customers</li> <li>• Listen to customer feedback and demonstrate initiative in responding to their input</li> </ul> |

## Transforming the Branch Experience

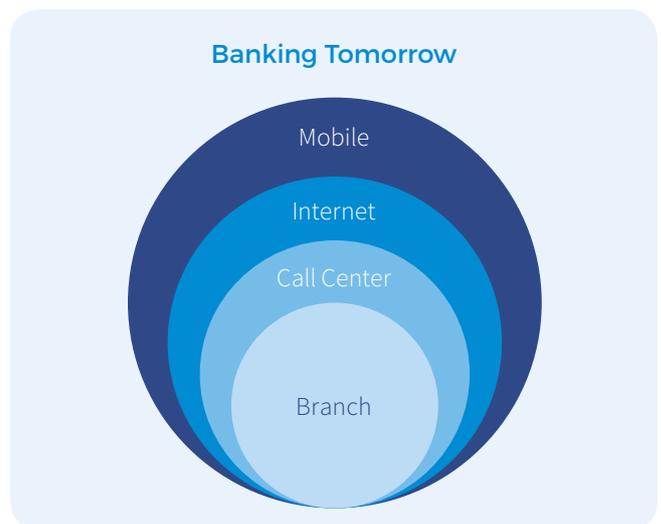
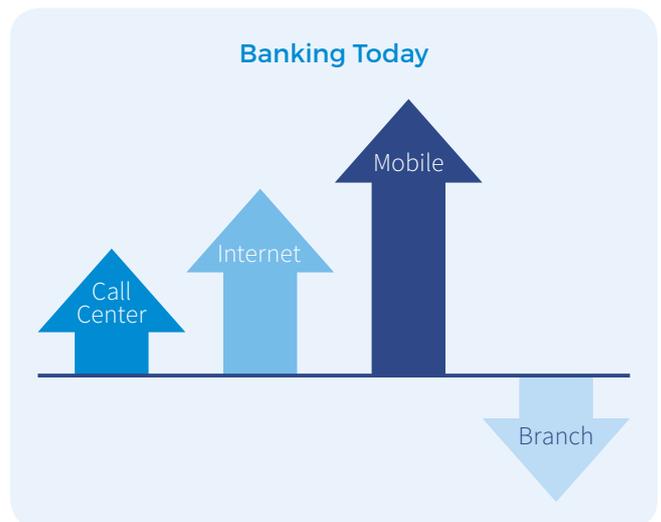
Banks are under pressure to reduce costs, but at the same time improve customer experience. The year on year increase of digital banking is driving bank branches to change in order to maintain their importance and profitability.

In order to keep up with the ever-changing market place banks often take initiatives that are meant to:

- ✓ Increase sales
- ✓ Improve operational effectiveness
- ✓ Decrease branch footprint
- ✓ Showcase their new-found capabilities

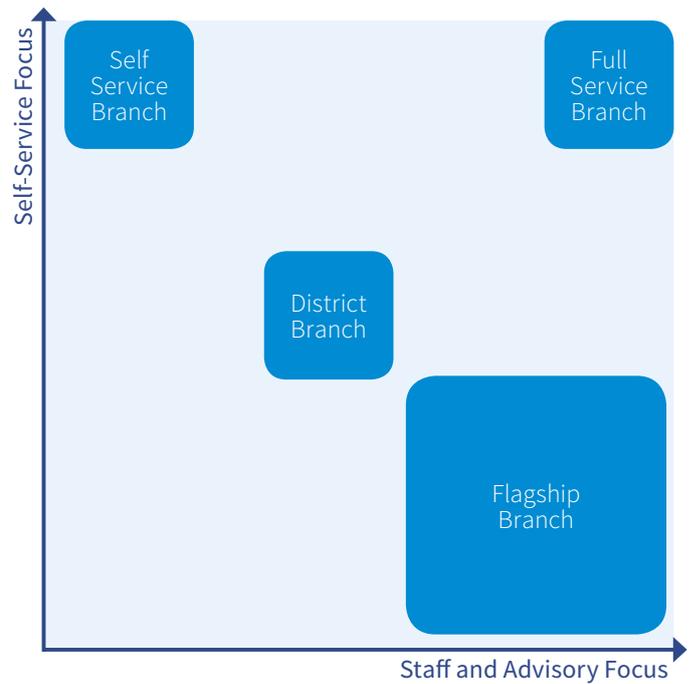
These initiatives are a step in the right direction, but they are not the answer to the most important question: how can banks change their business model in order to simultaneously increase profitability and cut branch costs? The Banks of today need to transform their mind-set and create a strategy where they can manage distribution through several channels.

Although downsizing the number of branches is necessary, the banking of tomorrow will be conducted through channels where physical environment is in synergy with online banking.



## Diversified Bank Branches

- **Self-service branch (1-2 FTE):** Strong focus on Self-service kiosks, servicing small business owners and people on the go with need for fast service on demand.
- **District branch (2-3 FTE):** local branch for the commonwealth. A smaller footprint with closeness to its customers. A branch where the employees know the customers by name, where the branch is involved in the local community.
- **Full service branch (4-5 FTE):** a full-service branch that offers small business owners and private customers the possibility to have face-to-face meetings. These branches will have a technological focus.
- **Flagship branch (5-8):** a branch that offers full personalized advisory expertise and caters to high-end business and personal banking customers.



## Understanding the Value Chain for Full-Function Banking Solutions

It is important to understand the recycling solution from a customer perspective.

### How does a coin recycler enhance the customer experience?

These types of units are called “Multi-Function ATMs”. A general consensus is that the ATMs are moving from simple cash dispensing, to “Multi-Function”, typically with a bill recycler and a coin recycler fitted to increase the number of use cases.



| Customers   | Opportunities  | OEMs   |
|---|--|--|
| <ul style="list-style-type: none"> <li>• Need simplified and faster transactions in the branch</li> <li>• Want bill payment</li> <li>• Credit card payment</li> <li>• Cash cheques</li> <li>• Collect cash</li> </ul> | <ul style="list-style-type: none"> <li>• Need to simplify branch visits and offer more value in one “sitting”</li> <li>• Want to automate cash handling</li> <li>• Want to sell pension plans and mortgages</li> <li>• Increase customers’ throughput</li> </ul> | <ul style="list-style-type: none"> <li>• Need to produce units that will fit in what banks view of the present and future</li> <li>• Banks drive development at OEMs</li> <li>• Banks drive improvements with OEMs</li> <li>• Banks are the key stakeholder</li> </ul> |

## SDS-760 Smart Deposit Solution

### Your Business Deserves the Most Efficient Cash Deposit System

Optimize your cash handling to eliminate errors, shrinkage, and time waste. With the latest High-Speed Smart Deposit Solution from SUZOHAPP you will process deposits fast, while ensuring note processing accuracy and reducing the risk of robbery. In addition, the software platform CashComplete™ Connect provides complete cash management overview with detailed monitoring and automatic reconciliations. In the end, you will experience a safer working environment and a better customer service, with high return on your investment. Ideal solution for large cash volume retailers and businesses where security and process optimization matter the most.



### High-Speed Back Office Cash Deposit Solution

#### ▶ Speed

The SUZOHAPP high-speed note validator tallies cash quickly and smoothly streamlining cash processing time and increasing operational efficiency.

#### ▶ Accuracy

High-speed acceptance together with the high reliability and cutting-edge technology provides increased operational efficiency meeting evolving business needs.

#### ▶ Security

The UL 291 high-tensile steel safe keeps your cash secure giving high security to your cash room, preventing unauthorized access to the money bag.

#### ▶ Efficiency

Smart Deposit Solution reduces the costs of cash handling through internal optimization as well as CIT collection costs reduction. SDS-760 heat seal bag stores up to 10,000 notes, streamlining your cash handling.

#### ▶ Reliability

Enhanced functionality, updated design with fully-integrated touch LCD, and customizable dashboard with configurable access levels making the SDS-760 user-friendly, reliable and operationally smart.

#### ▶ Convenience

With CashComplete™ having full control of the device, identifying and trouble-shooting issues is easy. Receive product alerts via SMS and e-mail through the cloud-based cash management system CashComplete™ Connect.

# CashComplete™



## Benefits:

- ✓ Reduction of labor costs, redeploy staff to value-add activities
- ✓ Loss prevention, reduce shrinkage, counterfeit detection, cash is secured
- ✓ Enables real-time provisional credit
- ✓ Compatible with CashComplete™ Connect Enterprise software

## Technical Specifications SDS-760

|                  |  |
|------------------|--|
| Size (W x D x H) | 16.5" x 22.5" x 46.25"<br>22.5" x 22.5" x 46.25" (with coin sidecar)   |
| Weight           | 325.5 kg (no side car)<br>345.2 kg (with sidecar and transfer safe)  |
| Note Handling    | 200 notes inlet pocket<br>100 notes reject pocket<br>Fully automated escrow function   |
| Speed            | 10 notes/second  |
| Equipped with    | CCOD software platform<br>Barcode scanner<br>Bag sealer<br>57mm thermal printer<br>Envelope drop slot<br>LED status indicator  |
| Storage          | 4,000 notes bag<br>10,000 notes bag (optional)<br>2,000 coins (optional coin sidecar)<br>Transfer safe (included with sidecar) |
| Security         | UL-291 safe<br>CEN IV safe (optional)<br>Coin sidecar: 6 mm steel safe   |



## SPS-700 & SPS-800 Next Generation Smart Point of Sale Solution

### Enhance Cash Payments at Point of Sale

The new Smart POS Solution is the fully automated Point of Sale recycling solution that minimizes manual cash handling at check-out lanes. It offers your customers improved service with smooth and intuitive payments, always with correct change. Improve uptime by securing the whole cash loop, while preventing the incidence of unfit notes acceptance, counting errors and shrinkage.



### Complete POS Automation Customer facing Cash Recycling Solution

#### ▶ Focus on Customer Experience

Customers pay quickly and easily with both bulk coins and notes at the checkout. Associates can now focus on what's most important — your customers.

#### ▶ State of the Art Technology

With a decade of in-field experience in Smart POS and cash recycler component ownership we are able to provide the highest technical standard and the best support.

#### ▶ Accurate and Instant Validation

World leading sensor technology recognising and rejecting foreign or counterfeit notes and coins.

#### ▶ High Security

Automated cash handling offers full in-store cash security with reduced risk of loss.

# CashComplete™

## ► Applications

Smart POS Solution is ideal for bakeries, convenience stores, pharmacies and restaurants as well larger retailers, enabling hands-free cash handling.

## ► Closed end-to-end Solution, Securing the Entire Cash Loop

For larger retailers with multiple checkout lanes, such as grocery stores and department stores, we offer a closed end-to-end solution with full back office monitoring. The use of a transport unit provides an efficient and secure way to refill and transport banknotes. All the cash transactions are recorded instantly.

## ► Easy to Install

Its compact design allows it to fit seamlessly into the counter space. SUZOHAPP software offers quick and easy integration into any POS system or application.

## ► Modular Design

The modularity of SPS-700 and SPS-800 simplifies its operations and serviceability. The solution offers different access levels for additional security and easy maintenance.

## ► Comprehensive Monitoring Software

The powerful CashComplete™ Connect supervisor software enables management to monitor cashier operations and payment facilities, with real-time replenishment and pickup alerts. For the bookkeepers, it offers live cash flow monitoring with reconciliation, daily credit, and access to wide-ranging reports with a touch of a button.

## Benefits:

- ✓ Quick and Easy Cash Checkout
- ✓ Increased In-store Security
- ✓ Minimizing of Counting shortfalls and Reduced Shrinkage
- ✓ Saves Time at Tills Open, Close and Shift Changes
- ✓ Accurate, Automated reconciliation and Reporting
- ✓ Improved Customer Shopping Experience



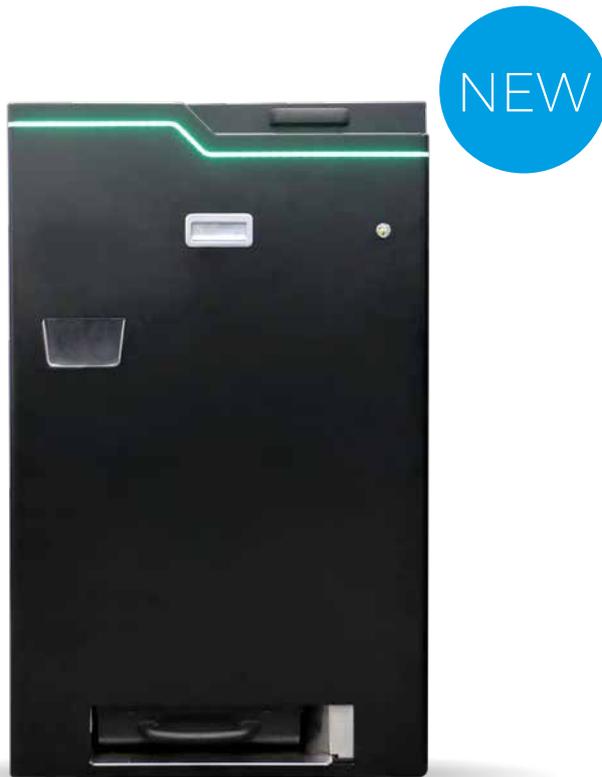
### Technical Specifications

|                   | SPS-700  | SPS-800  |
|-------------------|--|--|
| Size (W x D x H)  | 11.8" x 17.3" x 31.8"<br>300 x 440 x 807(856) mm       | 11.8" x 17.3" x 31.8"<br>300 x 440 x 807(856) mm                 |
| Speed             | 1 note per second deposit/dispense                     | 2-3 coins per second deposit<br>10 coins per 12 seconds dispense |
| Recycling Storage | 100 notes per cassette<br>6 cassette (600 notes total) | 1,200 coins mixed  |
| Storage           | 600 notes  | 800 coins  |
| Total Capacity    | 600 notes  | 2,000 coins  |
| Currency          | Multi-currency as option                               | Multi-currency as option   |
| Cash Transport    | Transport unit 1,200 notes                             | Pickup box 800 coins   |
| Safe Grade        | 2mm Steel front access                                 | 2mm Steel front access   |

# RCS-Active

## The New Active Sorting® Coin Recycler

The CashComplete™ RCS-Active will initially be piloted as a pre-production unit to demonstrate the advances already made with the RCS-Active including: Active Sorting®, coin tray optimization, lower height, and higher speed. Further enhancement will be rolling out, including a two door design, individual addressing of each hopper, and dedicated outlets per hopper.



- ▶ **Active Sorting®**  
Utilizes advanced sensor technology to identify, sort and actively reallocate coin position within device
- ▶ **Vertically Integrated**  
Equipment provides component-level expertise and supply chain efficiency
- ▶ **High-Capacity**  
Reduces administrative effort with up to 48,650 coins
- ▶ **User Friendly**  
Reduced height to be more accessible, and improved coin tray to be easier to use

### Technical Specifications RCS-Active

|                           |   |
|---------------------------|---|
| Size (W x D x H)          | 673 x 752 x 1293 mm<br>(26.48" x 29.62" x 50.91") |
| Deposit                   | Up to 720 coins per minute                        |
| Dispense                  | 40 coins per second into till                     |
| Recycling Storage         | Up to 40,000 coins,<br>8 coin hoppers (4x2)       |
| Storage Pickup / Overflow | Up to 8,650 coins                                 |
| Total Capacity            | Up to 48,650 coins                                |
| Safe Grade                | 2-3 mm Steel                                      |



### 2,000 Coins Per Minute

Allows efficient coin processing and quick end-of-shift deposit procedures



### 40,000 Coin Capacity

Highest capacity available allows for to extend time between administrative activities

## CashComplete™ Connect Changes The Way You Look At Cash

CashComplete™ Connect is a revolutionary platform which allows you to fully monitor your cash and generate in-depth 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.

### ▶ 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.

### ▶ 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.



## CashComplete™ On-Device Cash Management Software

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.

### Benefits

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

### ▶ 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.

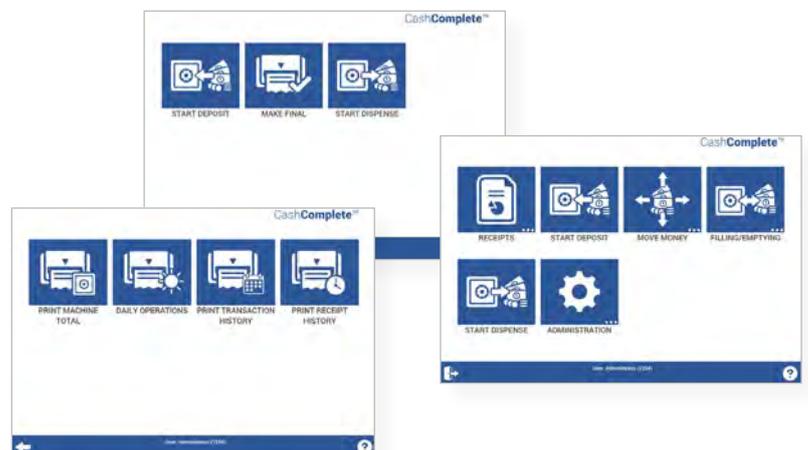


### Optimized User Experience

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.

### Compatibility

- ✓ All CashComplete™ RCS and SDS Models
- ✓ CDS-820j, CDS-830, CDS-9, CDS-9R
- ✓ CRC-100
- ✓ AST-70XX, SDM-50X, CDS-XXX
- ✓ NRI® Pelicano
- ✓ Sallen® Electrum
- ✓ Azkoyen Cashlogy® POS1000
- ✓ Glory® NMD-100
- ✓ Glory® CI-100
- ✓ MEI
- ✓ MW KUAN



### Cash Deposit Systems



#### Improvement of Cash Handling with the CDS

- **Reduced queues:** The queuing is reduced in branches
- **Time savings:** It saves time for the staff
- **Time savings:** It saves time for the customers
- **Improved service level:** Customer prefers the speed of transaction
- **Saves space:** Traditional back office equipment occupies space
- **Lower noise level:** Improved working environment
- **Stimulate children's savings:** Improved working environment

#### Concrete Results with CDS

By investing in the CDS the bank branch accomplishes two things:

- Eliminate the cost of handling coins via the back-office environment
- Frees up resources and time which enables value creating experiences for their customers

By placing the coin handling machine in a visible area, customers will be drawn to the self-service device and proactively handle their transactions on their own without having to wait in line to be serviced by a teller.

#### The Customer-Oriented Value Proposition

- Banks want to procure this solution because they can eliminate all the back-office coin handling. By doing so it frees up the resources at the branch and increases promotion of their financial services
- Frees up resources and time which enables value creating experiences for their customers
- Banks will reduce the noise level of their environment, eliminate the administration of coins, and free up office space
- CDS allows for the depositing/recycling of coins faster and more efficiently than other manual solutions

# CDS-9R

## Self-Service Automation of Cash Recycling

Today's increasingly competitive banking market requires an efficient and secure cash solution for serving both retailers and private customers. The high costs involved in managing cash demand optimized and secure solutions. Explore true cash handling and get increased service and security for your customers with our latest CDS-9R - the world's first coin and note recycler for self-service areas.

### A Full-Function Terminal

Full-Function Terminals are strategic tools for the future banking. Customer can be redirected to these terminals to conduct low value transactions while the banking staff focuses on promoting and selling high value financial products.

### The Most Powerful Self-Service Solution

We believe that cash management should be a fast process with minimal human involvement. The CDS-9R is a completely new banking solution for self-service cash recycling.

### Quick and Secure Cash Management

Retailers and private customers in need of bulk cash deposits can easily make quick and secure deposits. At the same time CDS-9R is the perfect option for retailers in need of a daily float. The solution dispenses all denominations in any mix or split as the user prefers. Self-service automation allows customers to better take control of their cash, at the same time as it improves the working environment of the staff.



CDS-9R designed for a modern bank lobby

### Optimized Cost Control

The two-in-one self-service cash solution is a convenient one-stop-shop for both bulk cash deposit and dispense. As a result there will be no more needs of costly coin roll dispensers and separate coin deposit machines.

### Minimized CIT Costs

The recycling technology optimizes the need for replenishing the machine which minimizes the CIT costs. CDS-9R is designed for quick and easy filling or emptying when needed. Explore quick return of investment through dramatically improved cash management at all levels.

### Bank Transformation - Better Service, Less Cash

The latest design and functionalities of the CDS-9R is driving the banking transformation further. The strong solution is developed for the modern bank lobby offering best-in-class customer service. Strengthen the brand of your bank and stay one step ahead.

### Matchless Combination

The CDS-9R is offered either as a single coin recycling unit, or as a complete cash solution together with note unit for note deposit and/or dispense.



### We Will Find Your Perfect Solution

- ✓ Determine your cash management requirements to meet key business metrics
- ✓ Select appropriate hardware configurations for your operating environment
- ✓ Mix and match the hardware to create the perfect solution

### Improvements with CDS-9R

- **Increased application area:** The unit can be used for both dispensing and recycling by both the public and businesses
- **Time savings:** It saves substantial employee time
- **Time savings & reduced queue:** It provides quick service for the customers
- **Customer attention:** The user is always close to the staff, if assistance is required
- **Improved service level for Businesses:** Customer can withdraw daily floats
- **Improved service level for Personal Banking:** Customer can withdraw exact amount
- **Strong image:** Gives the bank a strong and modern image
- **Saves space:** Traditional back office equipment occupies space
- **Lower noise level:** Improved working environment



### Concrete Results with CDS-9R

- Migrating low value frequent transactions to the machine and focusing staff on high value transactions. Teller functions such as the following can be migrated to a Full-function CDS-9R:
  - ✓ BillA Payment
  - ✓ Credit Card Payment
  - ✓ Cheque Cashing In
  - ✓ Closing Savings Book
  - ✓ Collecting Cash with e.g. QR Code
- Offers the possibility for withdrawal of pensions, loans, social welfare etc.
- With CDS -9R the banks can eliminate all staff operated machines, save space and increase profitability of the branch
- The branch will automatically be able to serve all the customers and all their cash handling needs. This is in line with the banks current desire to create an Omni-channel branch

## CASH DEPOSIT SYSTEMS

### The Customer-Oriented Value Proposition

- Banks will want to procure this solution because it can eliminate all the back-office coin handling
- Banks will reduce the noise level of their environment, eliminate the administration of coins, and free up office space
- Banks want to migrate low value high frequency transactions to the Lobby Teller and move high value transactions to the staff
- Banks want to procure this solution because it offers the possibility for the customers to conduct all cash handling activities on one single machine
- Banks value that the CDS-9R attracts new customers to the branch
- Banks want this solution because the solution allows customers to be self-sufficient without waiting in line to be serviced by a staff member to pay bills
- Bank can earn 3rd party commissions on e.g. collecting payments for water utility, electricity companies, etc.

Banks can build trust and deeper relationships with returning customers who value efficiency for small tasks and dedicated attention from staff for high-level financial assistance.

### Efficiently Cycle Cash All Throughout Your Business

The steady flow of cash into your back office needs to be counted, allocated and secured quickly and efficiently. With the cash 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. The easiest process can be the most revolutionary.



#### For All

Designed for disabled access.

The convenient working heights for both dispense and deposit make the CDS-9R available for all.

## CDS-9

### Self-Service Automation Of Coin Deposit And Note Recycling

#### Change the Way You Look at Cash

Handling cash can be a time consuming and costly internal dispute. It can also be a simple and efficient procedure with minimal human involvement, giving optimal accuracy. CDS-9 enables complete automation, switching your focus from cash management to value creating business. CDS-9 is evolved out of the banking and public transport sector and manages the coin, note and tokens in a convenient, secure and efficient way. CDS-9 in combination with the XFS based and Multi Vendor Software, offers you a complete cash management solution. Stay online with full connectivity and increase the efficiency of your business.



#### Security in Focus

The cash is securely stored in the safes which are available with both front and rear access. They are equipped with awareness mirrors for preventing shoulder surfing and are prepared for any type of surveillance and portrait cameras, all to make customer experience safe and pleasant.

#### Designed for the Best Customer Experience

The ergonomic design allows comfortable and reliable operation through 15" touch screen. The interaction between the user and the machine is carefully thought through and includes customer guidance through illuminated indicators. Intuitively designed to be easy to use regardless of any physical limitations.

#### Highest Reliability and Uptime

The CDS-9 is built around the best coin and note technology available on the market, offering you a premium product. User interface and technology have been carefully developed, tested and verified to create trouble free operations with the absolute highest reliability and maximum uptime.

Technical Specifications

Customer User Interface

Designed with customer satisfaction and experience focused. | Illuminated blinking arrows guide the user | 15” TFT LCD touch screen Loudspeakers as additional aid | Headset jack for sound guidance | Braille on EPP

Coin Processing

ETSC approved coin recognition unit | Bulk coin deposits | Coin escrow for possibility to return deposited coins | Foreign object and debris separation | Optional coin sorting for up to 8 denominations | Lockable coin tray.

Note Processing

8 notes/sec | Note recognition following ECB framework | Fitness validation | Deposits/withdrawals of up to 200 notes in bundles | Note escrow for possibility to return deposited notes Recycling of up to 4 denominations

Note Cassettes

Up to 5 cassettes | Acceptance or recycling cassettes hold up to 2,500 notes each | 4 separate compartments for retract, reject, overfill and counterfeit notes

Coin Storage

Coin vault on wheels, up to 46,000 coins | Multi Bag system for 6 bags | Sorting bags or boxes for 8 denominations

Security

Note storage: CEN IV optional GAS EX | Coin storage: 4 mm steel | Safes prepared for customer alarm systems | Anti-card trap (ACT) | Anti-skimming devices (ASD and E-ASD) | EPP | Awareness mirror Prepared for portrait camera | Privacy filter on touch screen | Vandal resistant touch technology

System

Industrial fan-less PC with 2xSSD | Windows® 7 Application software Orchard Standard or XFS 3.X drivers package

Other Features

Numerical keypad or PCI certified EPP | Hybrid motorized card reader | EMV certified | Card retract Card return upon power failure | Dip card reader Receipt printer, 80 mm thermal with presenter and retract | Teller application integration

A World of Benefits

Best in class bulk coin deposit

- Coin recognition and suspect coin detection
- Returns the surplus
- Coin validation sensor approved by ETSC

Well proven note deposit technology

- Most reliable note reader
- Security against counterfeit notes
- Bundle note option

Prepared for various card readers

- Heavy duty and reliable card reader ensuring the driver ID
- System available for various card reader technologies

Easy to use

- Well thought through user interface
- Guiding lights and audio support
- Designed for people with disabilities

Optimised driver management

- Log and track vehicle and driver status
- Transfer of driver cash information reconciled with ticket sales data etc

Highest uptime

- Removal of foreign objects
- State-of-the-art technology for highest uptime

### CDS-820j Cash Deposit System

#### The latest self-service bulk coin deposit solution

CDS-820j - an upgraded version of one of our most powerful and popular self-service solutions for bulk coin deposits - features a modern and intuitive user interface, displayed on a crystal clear 7" colour touch screen. The CDS-820j is most powerful software giving full flexibility for usage and connectivity to back-end systems.

- User friendly touch screen
- Best market price
- Powerful Cash Deposit System
- Powerful Software
- Highest uptime
- Strong accuracy and reliability



#### Proven best-in-class technology

The proven best-in-class technology, based on over 25 years of experience, has been put into the CDS-820j. The latest solution is ready to meet the future demands and the toughest requirements on the market.

#### World class software

With its multifaceted and well designed architecture the software is highly acclaimed by many customers and is used as the industry standard in several markets. With this software you have full flexibility for configuring the machine. And it has never been easier to connect to back-end and monitoring systems.

The clear touch screen combined with it provides the best user's experience in any language. With the new screen CDS-820j offers full coverage of all countries' characters.

#### Strong sensor technology and connectivity

The latest sensor technology is available on CDS-820j which naturally is ETSC approved. The highly accurate and reliable sensors identify and count deposited coins, while rejecting foreign, damaged and counterfeit coinage. To store the cash safely a lockable coin tray is also included.

#### Accessories and Options

- Sorting
- Dip card reader
- Motorized card reader
- Double outlet on sorting CAM
- Double outlet on non-sorting CAM
- Multi bag system, 6 bags, non sorted
- Coin vault

## Superior Financial and Operational Control

The CDS works seamlessly with the unique monitoring software solution. The solution is the ultimate management platform for superior financial and operational control of cash. It brings the very most out of your new CDS. The cash solution is also connectable to any existing network and can be monitored from any remote position. Maximize the value of your business and benefit from best-in-class cash handling technology and system.

- ERP integration
- Report generation
- CIT integration
- Financial control



### Self-service around the clock

Cash Deposit Systems open the way to self-service around-the-clock. They create new opportunities for smart cash processing logistics, improve customer service and release staff from manual cash handling for a more profitable consulting role. The modular CDS-820j enhances these benefits by providing customer-specific solutions applicable for banks and retail stores with medium to high-volume coin flows.



Different card readers (option)

### Outstanding serviceability

With easily accessible modular components, both hardware and software is simple for staff to service or replace. The Coin Acceptance Module (CAM) contains a detachable dongle, which stores software, memory and configuration information. The compact, lightweight unit is easy to install. Storage in vaults or bags for easy reconciliations.

### Technical Specifications

|           |  |
|-----------|--|
| Screen    | 7" color touch screen  |
| Software  | OrchardJ   |
| Width     | 580 mm / 22.8"   |
| Depth     | 580 mm / 22.8"   |
| Height    | 1,130 mm / 44.5"   |
| Weight    | 110 kg / 242.3 lb  |
| Voltage   | 100-130, 200-240 V, 50/60 Hz   |
| Speed     | 900 coins/min.   |
| Diameter  | 14-33 mm / 0.55-1.3"   |
| Thickness | 1.0-3.5 mm / 0.04-0.14"  |
| Standard  | ACC (automatic coin cleaner)<br>CAM 200 Not-sorting Receipt printer, thermal 80 mm |



New touch screen for a clear and intuitive interaction

### CDS-820i Self-Service Automation Of Bulk Coin Deposit

The Cash Deposit System, CDS 820i. The robust self-service bulk coin deposit solution that offers strong reliability and uptime, at a reduced price.

#### Strong Sensor Technology and Connectivity

The latest sensor technology is available on CDS-820i. Our highly accurate and reliable sensors identify and count deposited coins, while rejecting foreign, damaged and counterfeit coinage. You can choose the coin recognition standard you need, with performance to meet even the most demanding requirements. In order to store the cash safely a lockable coin tray is also included.

The CDS-820i can easily be connected to the customer's network allowing on-line deposit via direct transfer to an account. The customer can always get a receipt of the transaction.

#### Proven Best in Class Technology

Today the Cash Deposit System is spread worldwide and recognized for its high performance and accuracy. The proven best-in-class technology, based on over 25 years of experience, has been put into the CDS-820i. The latest solution is ready to meet future demands and toughest requirements on the market.

#### Highest Accuracy

The CDS-820i has even higher accuracy than ever before. This is why the "i" has been added to the name CDS-820i, standing for "Improved performance". featuring a coin cleaner and a Coin Acceptance Module, minimizing downtime and increasing the reliability and accuracy.

#### Self-Service Around the Clock

Cash Deposit Systems open the way to self service around-the-clock. They create new opportunities for smart cash processing logistics, improve customer service and release bank staff from manual cash handling for a more profitable consulting role. The modular CDS-820i enhances these benefits by providing customers specific solutions applicable for banks and retail stores with medium to high-volume coin flows.

#### Outstanding Serviceability

With easily accessible modular components, both the hardware and software is simple for bank staff to service or replace. The proven reliability of SUZOHAPP technology, will ensure you benefit from a low total cost of ownership.



Choose between different card readers (option)



Easy information upgrade

#### Technical Specifications

|                        |   |
|------------------------|---|
| Dimensions (W x D x H) | 580 mm x 580 mm x 1130 mm (22.8" x 22.8" x 44.5")                                 |
| Weight                 | 110kg (242.3 lbs.)  |
| Speed                  | 900 coins per minute  |
| Diameter               | 14-33 mm (0.55-1.3")  |
| Thickness              | 1.0-3.5 mm (0.04-0.14")   |
| Standard               | ACC (Automatic Coin Cleaner) - CAM 200 Non-sorting Receipt Printer, Thermal 60 mm |
| Voltage                | 100-130, 200-240V, 50/60 Hz   |

#### Accessories and Options

- Sorting
- Dip card reader
- Motorized card reader
- Double outlet on sorting CAM
- Double outlet on non-sorting CAM
- Multi bag system, 6 bags, non sorted
- Coin vault

## CRC-2610F Coin Roll Dispensing System

### User-Friendly Self-Service Coin Roll Dispensing System for Improved Efficiency

CRC-2610F is the most sophisticated of all the traditional coin roll dispensing systems available. Its compact, modern look, combining flexibility and adaptability, provides a high efficiency level for managing cash.



Flexible and Efficient  
Coin Roll Dispensers...  
...Saving You and  
Your Customers Time

#### ► Flexible Configuration

CRC-2610F is an automated dispenser for coins and/or banknotes of all denominations. Banknotes or a bankcard are inserted and coin rolls, notes and/or coins are returned depending on the user's request. The machine can easily be configured to match your requirements. For example, by combining the dispensing of banknotes, coin rolls and banknote/coin combinations.

#### ► Save Time and Optimize Resources

With CRC-2610F, your personnel spends less time performing traditional operations. Consequently, the sales approach with customers is much more efficient. The compactness of CRC-2610F units solves your space problems, and the large storage capacity of all the models reduces reloading operations and helps decrease your operating costs.

### ► Operating Performance

The CRC-2610F management unit has been developed on a PC-base (Windows). This provides great operational flexibility and simplifies operator control. Optionally, the operator pack can be fully integrated in the machine. In the event of a power cut, an uninterrupted power supply backs up the central processing unit as well as the transaction being performed. CRC can be managed remotely (e.g. for maintenance, access to statistics, etc.) via a TCP/IP connection.

### ► Advanced Software Functionality

CashComplete Connect™ is an innovative management software concept for the control and administration of the SUZOHAPP self-service systems. It provides an overview of all units, no matter at which branch they are located and can be tailored to the current or future needs of any bank. The modern, intelligent programming of CashComplete Connect™ makes it the ideal software solution for all bank networks. Via a fully graphical Service Operation Panel, status alerts can be solved directly by the bank employee without the need for a service technician.

### ► User-Friendly

A well-designed interface guides the user through the entire transaction. This limits the risk of errors and optimizes the user experience. A touchscreen comes as standard, with a soft key screen version optional.

### ► Available 24 Hours a Day

CRC-2610F has been designed for integration into a self-service area, allowing customers extended access to the machine, outside of normal opening hours.

#### Benefits for Customers

- ✓ Offers true automated self-service
- ✓ Modern design with customized color scheme
- ✓ Frees employees from minor tasks to make them available for value-added services
- ✓ Three devices in one housing (coin and note exchange as well as coin roll dispensing)

#### High-Performance and Small Footprint

- ✓ Coin roll modules with large capacity
- ✓ High operational reliability thanks to sensors and in-built intelligence

#### Efficient

- ✓ Control of components via CAN bus technology
- ✓ Operating Windows 7 or 10
- ✓ Electronic journal
- ✓ Connection to the bank's network or integration with 3rd party multivendor software
- ✓ Remote monitoring

#### Benefits for End User

##### Time-Saving

- ✓ Self-service machine
- ✓ Limits traditional counter waiting time Services
- ✓ Customer identification via card reader (user selection)
- ✓ Wide range of notes accepted (optional)
- ✓ Several services in one machine: coin rolls, coins, notes (optional)

##### Availability 24x7

- ✓ Access extended to 24 hours a day
- ✓ ADA compliant – wheelchair-accessible with no podium in the customer area (except machines with coin in function)

### Equipment Options

|                           |   |
|---------------------------|---|
| Positioning               | Freestanding  |
| Service                   | Front load  |
| Dimensions (W x D x H mm) | 560 x 900 x 1,410   |
| Weight (empty/full)       | 450/1,100kg   |
| Accepting                 | Banknotes: Up to 6 denomination for one currency (4 reading directions)<br>Coins: Electronic coin inspector |
| Dispensing                | Coin rolls: Up to 8 denominations<br>Coins: Up to 4 denominations   |
| Operation                 | Touch: 15" Elo Touchscreen TFT or LCD with softkeys   |
| Card reader               | Manual: Insertion card reader (track 2 or 3) - Motor-driven: Motor-driven magnetic card reader              |
| Printer                   | Receipt printer: Thermo printer   |

### Capacity

|  |  |
|--|--|
| Coin rolls (a double roll dispenser has 2 modules)<br>Per module (depends on denomination) | e.g. € 2, 180 units<br>e.g. € 0.10, 300 units                          |
| Individual coins<br>Per hopper (depends on denomination)                                   | e.g. € 2, 850 units, Cube hopper<br>e.g. € 1, 1.010 units, Cube hopper |

# RCS-600 & RCS-700 Cash and Coin Recycler

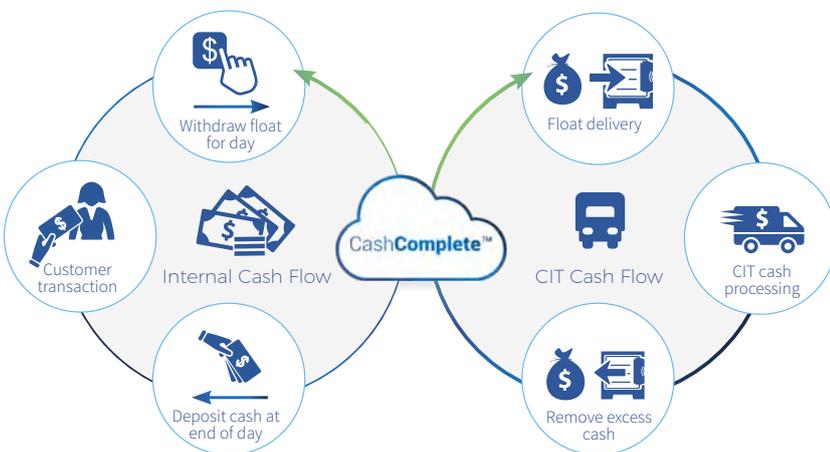
The CashComplete™ RCS-600 & RCS-700 transform your cash handling into smart cash management, improving your business at all levels. Paired with our unique suite of software the RCS-600 & RCS-700 are a strong back office solution for any market.

## ► Turn Cash Into Real Value

The RCS-600 & RCS-700 are powerful automators 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.

## ► 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-600 & RCS-700, 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.



The RCS-600 & RCS-700 are the first choice for the hospitality, retail, leisure and public transportation sector.

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### Superior Financial and Operational Control

CashComplete™ software is the ultimate solution for superior financial and operational control of your cash. CashComplete™ management software allows access to data by local departments and from remote locations. CashComplete™ enterprise software can be used for central monitoring and connects with external store systems for even higher efficiency. CashComplete™ provides a common experience across all client locations. Our software solutions are scalable, allowing you to gain full control of your cash management operations.



### The Simplest Process Can Be The Most Revolutionary

The RCS-600 & RCS-700 fully automates your cash handling allowing you to retrieve real-time cash flow data from your computer or mobile device whenever you need it. It's as simple as that.



- ✓ POS Balancing
- ✓ CIT Integration
- ✓ ERP Integration
- ✓ Financial Control
- ✓ Maximum Uptime and Service
- ✓ Optimize Cash



#### Automation Saves Time

The RCS-600 & RCS-700 fully automates your cash handling allowing you to spend less time managing your cash. Automate till management to increase efficiency at the start and end of shifts, reducing human reporting errors and increasing accountability.



#### Decreased Working Capital

CashComplete™ software provides accurate and efficient management of in-store cash holding requirements allowing you to deposit surplus cash into your bank or reinvest into new opportunities. Our enterprise software programs make it simple to monitor your inventory position in real time across the enterprise.

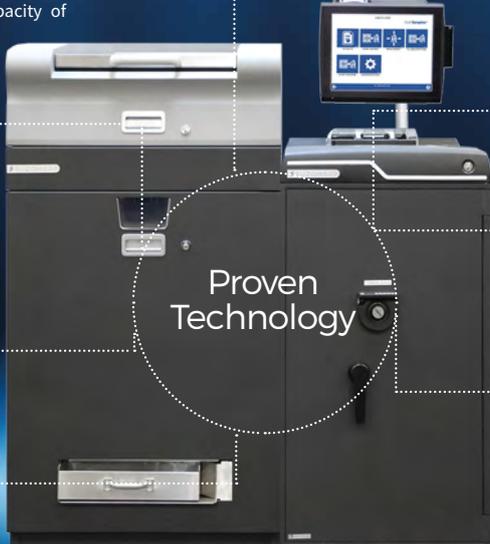


#### Improved Productivity

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.

### Features & Benefits

- ✓ Streamlined cash handling
- ✓ High cash security
- ✓ Reduced shift turnover time
- ✓ Improved in-store cash flow management
- ✓ Counterfeit detections
- ✓ Secure, fast & accurate processing
- ✓ Issuing automated floats/banks
- ✓ Faster reconciliation
- ✓ Reduced cash handling costs
- ✓ Optimized CIT deliveries and pickups



**Cash Handling Volume**  
High note recycling capacity of up to 16,400 notes with configurable cassettes and high coin recycling capacity of 40,000 coins for multiple denominations

**High Security and Extended Storage**  
The new overflow box (8,650 coins) increases the total storage of coins up to 48,650. Secure longer for fewer CIT pickups

**User-Friendly**  
Easy to navigate end-user interface for a quick and simple employee operations and full management control

**Adaptable UCD Options**  
UCD with coin cups or a large tray for large dispense operations. Geared for wide range of customer tills

**Unique Software Platform**  
The RCS-600 & RCS-700, powered by our unique machine control software fully integrated functions, enabling optimal cash management

**Drop Safe**  
Manual deposit for secure storage of checks and damaged notes

**Small Footprint**  
Designed to be robust with a small footprint to optimize the back office environment

**Best-In-Class Cash Handling Technology**  
This heavy duty cash recycler, together with its proven sensor technology, makes it one of the strongest solutions on the market

## RCS-400 2.2 & RCS-500 The Flexible Multi-Till Solution

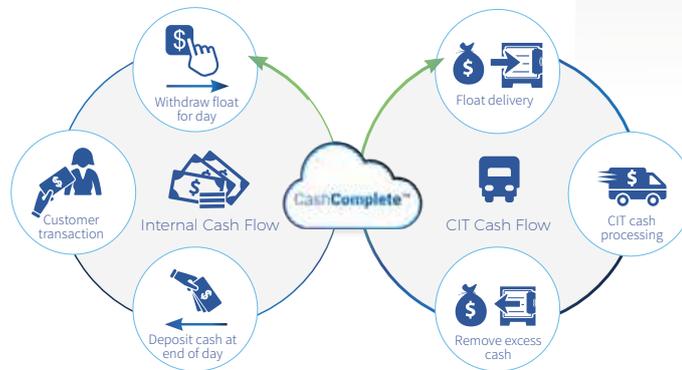
The high costs of cash operation together with increased competition within the retail sector makes it more important than ever to optimize the business. The CashComplete™ RCS Solution transforms your cash handling into smart cash management, improving your business at all levels. Paired with our unique suite of software the RCS Solution is a strong back-office solution for any market. Explore true cash management with increased customer service and security through a complete cash handling solution.

### Turn Cash into Real Value

The RCS Solution is a powerful automator for your back-office operations. 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 the 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.

### 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 all the way around, from internal cash handling to CIT operations. The processing of cash is fully automated including creating floats at the beginning of the day to counting cash and reconciliation of the daily takings.





## Superior Financial and Operational Control

The RCS Solution works with the CashComplete™ Connect management software. It allows access to data by local departments and from remote locations. CashComplete™ enterprise software can be used for central monitoring and connects with external stores systems for even higher efficiency. Our software solutions are scalable, allowing you to gain full control of your cash management operations.

CashComplete™  
**Connect**

✓ ERP Integration

✓ CIT Integration

✓ Report Generation

✓ POS Integration

✓ Financial control

✓ Optimised availability

✓ Automatic Reconciliation

✓ Connect 24 hours/day

### Features and Benefits

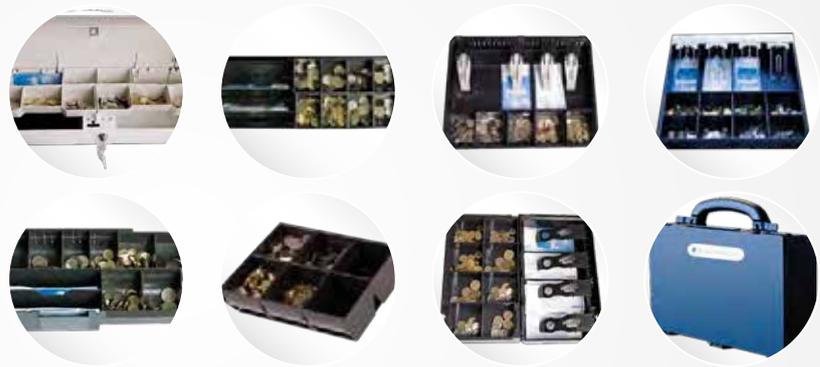
- Streamlined Cash Management
- Improved In-store Cash Flow Management
- High Cash Security
- Issuing automated floats/banks
- Optimized CIT deliveries and pickups
- Counterfeit detections
- Reduced cash handling costs
- Secure, fast & accurate processing
- Reduced shift turnover time
- Faster reconciliation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

The Multi-Till Solution is giving the retailer freedom to use existing Tills already used in store together with the RCS-400 2.2 coin recycler solution. The Multi-Till Solution is able to handle the most common Tills available on the market\*. It optimizes the dispense operation by having the coins sorted into the correct pockets, which saves valuable time and minimizes the risk of wrong coin in wrong pocket.



Combine the RCS-400 2.2 with a note unit and experience complete cash automation

Patent Pending



### The Multi-Till Solution optimizes valuable time in the store

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. 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.

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

**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

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

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

Proven Technology

**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

**Electronic Locks**  
Facilitates management of back-office processing

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

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

**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

# ICX Active-9

## Mid-range Active Coin Sorter

### When Performance and Accuracy Matter

Eagerly anticipated, intelligent, and fresh out of the box, SUZOHAPP proudly presents the ultimate, mid-range, strong and reliable coin sorter. The ICX Active-9 is perfect for medium sized businesses, especially those wishing to process medium volumes of coin without having to worry about reliability and capability.

### Benefits

- ✓ Superior Coin Identification
- ✓ Active Sorting® Technology
- ✓ Intelligent Coin Processing
- ✓ Flexible Batch-Stops
- ✓ Non-Stop Processing
- ✓ Future-Oriented
- ✓ Data Loss Prevention
- ✓ Advanced Jam-Prevention
- ✓ Service Friendly
- ✓ Vast Data Connectivity
- ✓ Custom Variables and Input Fields

### Features & Benefits

#### ▶ Superior Coin Identification

Using the latest in SUZOHAPP sensor technology, the ICX Active-9 computes a specific EMS “Electro Magnetic Signature” for each processed coin. A positive coin identification requires all measured parameters to fall within predefined thresholds (coin windows). This level of accuracy allows the ICX Active-9 to precisely reject unwanted coins like other currencies, counterfeits, unfit coins or token. A maximum of 30 different coin types or tokens can be simultaneously monitored.

#### ▶ Active Sorting® Technology

Active Sorting® technology allows the user to assign each identified coin type to a specific outlet. Since it is possible to dedicate multiple coin types (denominations) to the same outlet the ICX Active-9 can for instance separate all individual USD denominations in outlet N°1-N°6 while simultaneously processing all EURO coins mixed into outlet N°7. Different sorting scenarios can be saved as ‘setups’ which quickly allow the processing of endless variations of multi-coin, multi-token or even multi-currency situations.

#### ▶ Intelligent Coin Processing

To boost productivity even further Active Sorting® offers intelligent features like coin overflow: A high volume denomination can be dedicated to multiple outlets. The ICX Active-9 will immediately divert coins to its next assigned outlet once a batch-stop is reached.

#### ▶ Flexible Batch-Stops

Each denomination has its individual batch-stop. It is also possible to preset different batch-stops utilizing separate ‘setups’. The machine clearly visualizes the fill-level of each bag and additionally indicates upcoming batch stops by color.

#### ▶ Non-Stop Processing

A passive sorter is forced to interrupt the entire process once a single batch-stop is reached. Active Sorting® Technology enables the ICX Active-9 to temporarily re-circulate ‘individual denominations’ while still processing all other coins. This allows the operator to calmly swap bags during a non-stop operation and guarantees a maximum throughput without any downtime.



► **Future-Oriented**

The ICX Active-9 platform easily adapts to possible changes: The implementation of additional currencies, tokens or coin updates generally will not require any hardware update. SUZOHAPP is also looking forward to improving the ICX Active-9 user interface with possible additional features.

► **Advanced Jam-Prevention Technology**

The internal coin transport is optimized for maximum performance with minimal wear. A small lift feeds the right amount of coins into the coin-disc while also separating dirt and debris. Traditional sorters slide coins across metal rails, which causes extensive wear and material abrasion. The ICX Active-9 gently pinches the coins between a rubber lip and its free spinning coin disc. Even difficult coins of soft alloys can be handled.

► **Service Friendly**

The ICX Active-9 engineering team intentionally reduced all parts to the bare minimum while keeping the overall construction modular. Rather than troubleshooting an entire machine service technicians can quickly swap out internal components like the coin-lift assembly, solenoid-array or the touch-screen panel.

► **Vast Data Connectivity**

The ICX Active-9 is compatible with the existing ICP Active-9 protocol which supports a direct data transfer via USB to a local workstation. Ethernet network capability also allows remote servers to retrieve processing data via XML files. Needed peripherals like a bar-code scanner, receipt printer or remote display can be directly connected to the touchscreen via USB. There is also a feature to quickly export a process-history as CSV to an external USB drive.

► **Custom Variables and Input Fields**

The ICX Active-9 user interface is customizable and supports any kind of workflow: A bank might need to manually enter additional value (banknotes) while a vending customer probably prefers a drop down menu to select the name of their driver. All additional data is attached to the processed batch result.

► **Data Loss Prevention**

The machine keeps an internal record of all processed batches from the last 6 months. There is even an internal search function to look up records of a specific date range or given batch number.



Technical Specifications

|                  |  |
|------------------|--|
| Size (W x D x H) | 75 x 60 x 450 cm<br>(29.5" x 23.6" x 17.7")          |
| Speed            | Up to 2,700 coins per minute<br>(varies by currency) |

Product Features

- 9 coin outlets plus 1 for rejection
- 10" touchscreen user interface
- Low power consumption
- Either desktop or standalone solution
- 3 USB for accessories or peripherals
- One ethernet port for networking
- Additional input and output for accessories
- Coin outlets are spaced identically to the ICP Active-9 and SC-4000
- Configuration by standard P-5000 service program
- Basic ICX Active-9: 1x currency / 10x setups

## ICP Active-9

### Ultimate coin sorter for reliable and modern cash processing

The ICP Active-9 high speed coin sorter incorporates unique Active Sorting® coin processing technology and advanced sensor control. With its base in the well renowned and widely used SC Active-4000, you can be sure to get an excellent solution.



### Intelligent Coin Processing

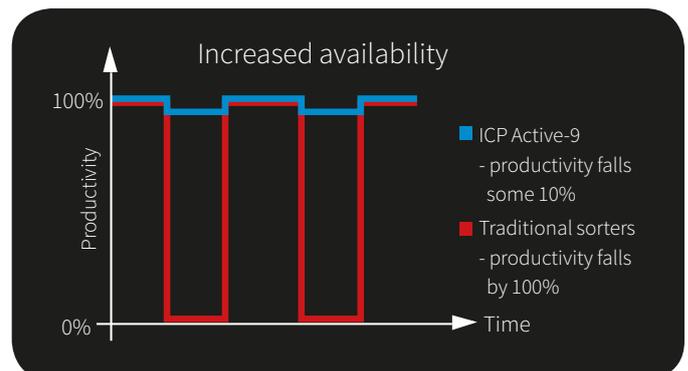
You can trust all validation and counting always to be correct. There are nine active outlets/bag holders and one passive reject outlet to handle 3,820 coins per minute. A light above each outlet indicates when an outlet/bag is full. The level of coins in each coin bag is graphically shown on the machine's colour display.

### Cash Management

The ICP Active-9 comes in two models. The ICP Active-9 Standard includes a smart transaction setup system that handles the basic functionalities in a cash centre. The other model, the ICP Active-9 Flex PC version, with a cash management system, enables further functionality, optimization and connectivity.

### Features

The ICP Active-9 has a brand-new vacuum coin feeding system. The vacuum technique places the coins firmly on





the rotating plate, and efficiently takes them through the sensor. Since the coins cannot end up on top of each other, the risk of jams is almost completely eliminated.

Another new feature is the cast iron base that all coin processing components are fixed to. This extremely solid construction is stable and insensitive to vibrations and wear. The fact that this is a cast iron one-piece also facilitates calibration and service, as there are so few adjustments to make.

### Active Sorting® for Maximum Productivity

With the Active Sorting® technology, the machine will run even when an outlet/bag is full. While the operator changes bags, the machine continues to count the other denominations, and coins are simply recirculated until the outlet/bag is available again.

### Operational Versatility

The sophisticated software used to control the machine offers a high level of flexibility and enables the ICP Active-9 to be configured to meet the customer's particular requirements. This means that the monitor only displays the functions required. No irrelevant screens to confuse operators, no unnecessary operations to complete the count. All count and register information is always retained. Despite the level of capability and wide range of user options, the ICP Active-9 Standard and the ICP Active-9 Flex can both be operated with a minimum of training. The ICP Active-9 Flex is designed for easy configuration for communication with external systems.

### Technical Specifications

|                         |                                 |
|-------------------------|---------------------------------|
| Width                   | 1,132 mm / 44.6"                |
| Height                  | 1,130 mm / 44.4"                |
| Depth                   | 650 mm / 25.6"                  |
| Weight                  | 280 kg / 617.3 lbs              |
| Supply voltage          | 120, 220-240 V, +/- 10%         |
| Sound level (operation) | 80 dB (A)                       |
| Frequency               | 50/60 Hz                        |
| Max Rated Current       | 14 A (120 V) / 18 A (220-240 V) |
| Speed                   | up to 3,820 coins / min         |
| Diameter Range          | 14-34 mm / 0.55-1.3"            |
| Thickness Range         | 0.9-4.0 mm / 0.04-0.2"          |

### Accessories / Options

|                  |                                      |
|------------------|--------------------------------------|
| Traffic Lights   | Indicates the status of the machine  |
| Reject Cup       | Can be mounted on any of the outlets |
| Transport Wheels | Facilitates mobility of the machine  |

# SC-8220

## 1+1 Pocket Value & Multi Currency Sorter

Reduce the manual cash handling and get full control of your cash

Introducing the SC-8220, a high-quality value and multi-currency counter that delivers outstanding results at low cost. The SC-8220 comes with a pre-set of around 20 currencies.



### Benefits



5€ + 10€ + 20€

#### Value Counting

Count total value of mixed denominations.



#### Serial Number Reading

The requirement for detecting and registering serial numbers is increasing. The SC-8220 is ready.



3 pcs.

#### Free Counting Mode

Count number of notes and not the value with optional check of features.



#### Single Denomination Counting

The first detected denomination will be counted, the other denominations will be rejected.



New Old

#### Emission Counting

When a new note is introduced on the market, SC-8220 can separate the new from the old one.



#### Easy to Update

Easy to up-date with new notes on the market. Just plug in an SD card in the value counter.



#### Detect Counterfeits

Be sure to detect known counterfeits on the market. SC-8220 is based on ECB's requirements of authentication devices.



#### Well Proven Technology

High quality sensors for Ultraviolet (UV), Magnetic (MG) and Infrared (IR) reading as well as image detection with double CIS.



#### Easy Flex Between Different Currencies

With a single key press you can switch between up to 20 currencies and/or limit to the main one for daily use.



#### External UV Lamps

If the quality of some banknotes is extremely poor a UV LED is turned on below the SC-8220 to let you manually check the banknotes.

# SCAN COIN

## Full Flexibility for the Distributor with Minimal Effort

The SC-8220 comes with a pre-set of around 20 currencies. One set of currencies is available for each main geographic region containing main international currencies and regional currencies. The distributor has the flexibility to reduce the number of available currencies to each client depending on the local sales organization. Update of notes is available by a simple SD Card insertion.

## Full Flexibility for the End User

The SC-8220 proposes two new modes to avoid time consuming and repetitive manipulations:

- ✓ **Multi mode:** it can count up to 3 selectable currencies simultaneously
- ✓ **Auto mode:** it recognizes up to 10 selectable currencies



## Integration and Backward Compatibility

For easy back office integration SC-8220 is provided with its own protocol. All transactions can be seen and managed using the free software. SC 8220 come in 8 languages for a user-friendly experience.

## Front Access Features

The SD card slot is placed on the front of the machine, thus making the update very simple. If an SD card is kept in the machine, it will contain the list of all notes counted or rejected, including serial numbers of the notes read.

## UV LED Bar

A patented UV LED bar placed under the machine helps manual authentication of bad notes. The UV LED bar compares bad notes with the genuine notes for a higher security. The UV lights turn on automatically for a few seconds when the notes are rejected.



## Technical Specifications

|                   |  |
|-------------------|--|
| Size (W x D x H)  | 275 x 260 x 319 mm (10.83" x 10.24" x 12.56")                        |
| Speed             | 800 notes/min (serial number)<br>900 notes/min (value counting)      |
| Net Weight        | Approx. 9.3 Kg (20.5 lbs.)   |
| Voltage           | 100-240 V - 50/60 Hz   |
| Hopper capacity   | Max 500 notes  |
| Stacker pocket    | Max 220 notes  |
| Reject pocket     | Max 50 notes   |
| Note size (W x L) | 50-85 x 100-182 mm (1.97"-3.35" x 3.94"-7.17")                       |
| Note thickness    | 0.075-0.150 mm   |
| Sensors           | Dual CIS / UV / MG / IR  |
| Display           | 3.2" colour touchscreen LCD  |
| Interfaces        | USB, SD Card, LAN, serial port for printer and external display port |



# SC-8100

## Currency Counter with Outstanding Results

Do you need a currency counter that counts genuine notes and detects counterfeits? The SC-8100 is a high quality currency counter that will deliver outstanding results, and is also equipped with the latest sensor technology, to securely find known counterfeits. Besides regular value counting of currencies, you can also use this machine for document counting.



### Unique design features

When designing this machine our customers' feedback led the way. This is why there is a built-in carrying handle for example, to conveniently move it around your office. Should there be a jam or problem with the note feeding mechanism, you have easy access to the complete note path and sensor area to remove jammed notes (or to clean) - without having to loosen one single screw!

### Sensors and counterfeit detection

The SC-8100 is equipped with the latest sensor technology, including MG, UV, IR and image detection, to securely find known counterfeits. By keeping the machine up-to-date you will always be sure to detect even the newest counterfeits.

### Multi currency

Up to five different currencies can be installed simultaneously on your machine. There is presently support for more than 60 currencies and new are added continuously.

### Value counting and document verification

Besides regular value counting of currencies, you can also use this machine for document counting. This feature is widely used in elections where a lot of time can be saved when skipping manual processes. Not to mention the improved accuracy!

### Features

- ✓ More than 60 different currencies available
- ✓ Multi language: English, German, French, Italian, Spanish, Portuguese, Greek
- ✓ Value counting and counterfeit detection according to ECB
- ✓ Sensors and counterfeit detection

### Saving transaction data

With the PC Suite software and USB cable that come free of charge with the machine, the transaction data can be saved to a file or database on a PC. Perfect if you wish to process the data further in your ERP system or Excel document.

### Easy updates and upgrades

Updates are easily carried out by simply inserting an SD card in the SD card slot on the back of the machine. This means that you no longer have to wait for a technician - you simply wait for the card to arrive in the mail! The same update can also be sent by mail before copied onto an SD card. Machine upgrades, such as adding another language or currency, is done through the USB connection and a PC software by a technician.

### Superior financial and operational control

The counter works seamlessly with the unique monitoring software solution, and the Cash Center processing solution. The management platform offers you superior financial and operational control of cash and brings the very most out of your new counter. Maximize the value of your business and benefit from best-in-class cash handling technology and system.

- ERP integration
- Report generation
- Automatic reconciliation
- Financial control

### Technical Specifications

|                 |   |
|-----------------|---|
| Width           | 285 mm  |
| Depth           | 270 mm  |
| Height          | 280 mm  |
| Weight          | approx. 7.2 kg / 22 lb  |
| Voltage         | 100-240 V / 60/50 Hz  |
| Speed           | 600/900/1,500 notes/min. counting (preset speeds)<br>600/800/1,000 notes/min<br>value counting and authentication |
| Hopper capacity | max 500 notes   |
| Stacker pocket  | max 200 notes   |
| Note size       | width 60-100 mm   |
| Length          | 85-190 mm   |
| Note Thickness  | 0.08-0.12 mm  |
| Material        | paper and polymer substrates  |
| Language        | English (optional other languages)  |
| Sensors         | CIS /UV /MG / IR  |
| Display         | 2.8" LCD  |
| Interface       | USB, SD CARD and serial port  |

## SC-350 & SC-360

### Reduce the manual cash handling and get full control of your cash

With counting speeds up to 3,000 coins/minute, the SC-350 and SC-360 are real time-savers. Reliable partners for banking, retail, amusement and other businesses that need to count, verify or bag coins or tokens. Choose between a manual hopper and an automatic hopper with filling. Access to the coin rail makes checking and service very easy.



#### Competitive performance

With SC-350/360 you get a competitive coin counter that offers excellent value for money. Several features normally considered accessories are standard on SC-350/360 – RS 232 interface for external control, interface for remote display and other accessories – as part of an unbeatable, attractively-priced package. Other features include pre-selectable bag stops, memory, automatic reverse function to remove jammed coins, and automatic stop and outsort function for small coins. A large number of accessories and 7 pre-programmable quantity stops (plus 1 continuous) make the SC-350/360 highly effective filling machines, whether applied to coin tubes, big bags or small bags.

#### Versatility at its best

Due to their range of flexible functions, SC-350/360 are truly versatile coin counters. The serial interface makes it possible to monitor and control the SC-350/360 from a PC. This offers many convenient possibilities, e.g. a controlled cash-out unit for casinos.

#### A universal partner

Whether you want to count, verify or bag volumes of coins or tokens, you have a reliable and flexible partner in SC-350/360. Separate adjustments for coin or token diameter and thickness make the SC-350/360 completely universal. Despite their relatively compact size, these are both high-performance units positioned to meet handling needs between heavy-duty counters and small back-office machines.

#### High speed coin counters

The coin counters SC-350 and SC-360, fill an important gap between heavy-duty counters and small backoffice machines. These high-speed coin counters combine superior versatility with many advanced features, which are fitted as standard. The difference between the two is that SC-350 includes a manual hopper, while SC-360 has a larger, automatic hopper with filling.

#### Easy access and handling

Compared with competing machines, SC-350/360 provides dramatically improved access to the coin rail, making it easy to open the hatch for checking or service. A non-volatile memory allows storage of data on counted coins, and electronic sensing technology assures high accuracy and low noise. customers will also recognize, and benefit from, our standard interfaces and functions.



#### Technical Specifications

|           | SC-350   | SC-360             |
|-----------|--|--------------------|
| Width     | 295 mm / 12.0"                                 | 295 mm / 12.0"     |
| Depth     | 480 mm / 18.9"                                 | 480 mm / 18.9"     |
| Height    | 250 mm / 9.8"                                  | 380 mm / 15.0"     |
| Weight    | 17.5 kg / 38.5 lbs                             | 19.5 kg / 43.0 lbs |
| Power     | 100 W  | 120 W              |
| Voltage   | 110/230 V, 60/50 Hz                            |                    |
| Speed     | up to 3,000 coins/min                          |                    |
| Diameter  | 15-34 mm / 0.56-1.34" or 18-38 mm / 0.71-1.50" |                    |
| Thickness | 0.8-3.4 mm / 0.03-0.15"                        |                    |

#### Accessories and Options

|       |   |
|-------|---|
| BGS 1 | Bag guide with shelf                        |
| BG 1  | Bag guide without shelf                     |
| FC 3  | Foot-control                                |
| BA 5  | Bagging attachment (for the rejected coins) |
| RD 8  | Remote display                              |
| IH 1  | Insert holder                               |
| TI 1  | Tubing insert for prefabricated tubes       |

# SC-1600

## Detect Counterfeits with SC-1600

This solution counts and validates notes by detecting counterfeits using magnetic ink recognition and ultraviolet light to verify the banknotes' authenticity.



Easy to use with a clear display



One pocket solution



Count and verify notes with advanced sensor technology



### Versatile and Meticulous

Every year hundreds of thousands of counterfeit banknotes try to make their way into circulation. To detect and withdraw these sometimes very high-quality counterfeits, you need a machine that answers to your high demands. There are three different models: SC-1600, SC-1600 UV, and SC-1600 MG IR. We help you find the best solution for your specific needs.

### Intelligent Processing

The SC-1600 series has kept the good qualities of its predecessor, and improved others. The machine has been dramatically modernized by the new software package and its new electronics which provide increased stability, while its accuracy is higher due to the addition of a greater number of quality sensors. Easily connect the SC-1600 to a PC to update with the push of a button.

### Counterfeit Detection

The SC-1600 features unique and revolutionary technology to identify counterfeits. The machine uses sophisticated magnetic ink recognition and infrared recognition in order to verify the banknotes' authenticity.

### High Throughput

The SC-1600 offers a high throughput of up to 1,500 notes per minute. Standard functions include continuous counting as well as variable batching of any quantity between 1 and 999 notes. The machine restarts automatically after each completed batch to maintain high throughput.

### Technical Specifications

|                          |   |
|--------------------------|---|
| Dimensions (W x D x H)   | 270 mm x 250 mm x 230 mm<br>(10.6" x 9.8" x 9.0") |
| Weight                   | Approx. 5.7kg (12.6 lbs.)                         |
| Min Document Size        | 110 x 50 mm (4.33" x 1.97")                       |
| Max Document Size        | 185 x 90 mm (7.28" x 3.54")                       |
| Speed Range              | 800/1,000/1,200/1,500 notes per minute            |
| Input Hopper Capacity    | 500 new notes                                     |
| Output Stacker Capacity  | 200 new notes                                     |
| Capacity Power           | 99-245 V, 50/60 Hz                                |
| Power Supply Consumption | 40W   |
| Consumption Feed System  | Friction  |

## SC-3003

### Ultimate coin counter for reliable and modern cash processing

The SC-3003 is a high capacity coin counter and its quality and variety of smart functions are appreciated by thousands of users worldwide. In short, the SC-3003 is considered to be one of the most robust and high quality coin counters on the market today.



#### A high speed counter

The SC-3003 coin counter has been especially developed to count large quantities at a fast rate, ensuring efficient and reliable counting of incoming coins or tokens. Its high capacity, up to 3,500 coins per minute, makes it a popular coin counter at banks and cash centres all over the world. The SC-3003 features an auto-stop when the last coin has passed, and a non-volatile memory allows storage of the counted coins. The automatic off-sorting of smaller coins allows the separation of mixed denominations.

#### State-of-the-art reliability

Trust SC-3003 to consistently deliver accurate results. The electronic inductive sensor guarantees high precision counting while making the SC-3003 virtually unaffected by dirt and grime. This results in reduced wear and cleaning, as well as the prevention of annoying interruptions. The machine also features a built-in function for reversing jammed coins and restarting automatically.

#### Benefit

- ✓ High-speed coin counter
- ✓ Efficient cash handling
- ✓ Guarantees high precision counting
- ✓ Reliable counting of incoming coins or tokens

#### User-friendly performance

The SC-3003 has a wide range of smart functions and accessories to meet a wide variety of requirements. This, together with seven preprogrammed quantity stops and one continuous, makes the SC-3003 a very efficient filling machine, whether applied to coin tubes or bags of different sizes. Changing between tubes and bags is easy using the accessories available. The denominations are easily selected by turning one handle and all actions and settings are clearly monitored at the operator panel. Efficient and ergonomic coin handling is achieved by using the SC-3003 foot-control. All in all, the SC-3003 is a superior performer with many user-friendly possibilities.

#### Accessories and Options

|        |  |
|--------|--|
| CT 1   | Coin tray (2.4 litres)                       |
| CH 45  | Coin hopper (4.5 litres)                     |
| LCH 45 | Large coin hopper (9 litres)                 |
| IT 1   | Inspection tray (7.6 litres)                 |
| DO 1   | Double outlet with bag holder                |
| BG 1   | Bag guide without shelf                      |
| FC 3   | Foot-control                                 |
| BA 1   | Bagging attachment (for the rejected coins)  |
| RD 6   | Remote display                               |
| IH 1   | Insert holder                                |
| TI 1   | Tubing insert for prefabricated tubes        |
| SI 2   | Serial interface RS 232 for connection to PC |

#### Technical Specifications

|           |                         |
|-----------|-------------------------|
| Width     | 295 mm / 12"            |
| Depth     | 595 mm / 23"            |
| Height    | 245 mm / 10"            |
| Weight    | 17 kg / 37.5 lbs        |
| Voltage   | 110/220/240 V, 50/60Hz  |
| Power     | 175 W                   |
| Speed     | up to 3,500 coins/min.  |
| Diameter  | 15-37 mm / 0.59-1.46"   |
| Thickness | 1.0-3.5 mm / 0.04-0.14" |

# DTC Series

## Ultimate Coin Sorters for Reliable and Modern Cash Processing

The latest DTC solution is designed to satisfy the market’s need for reliable and modern cash processing. It is a strong performer in sorting and counting, as well as in rejecting foreign and damaged coins. Through the unique sensor technology the solution offers outstanding accuracy, combined with reliable functions. Maximise the efficiency at the same time as you increase the accuracy, enabling you to focus on more profitable tasks.





### Connectivity

The coin sorter has hardware ports ready for computer and a specific interface for optimal connectivity.



ERP integration



Financial control



Report generation



Automated reconciliations

### Latest features and operating excellence

The solution has the latest features such as a touch-screen display and a keypad for easy operation. This, together with the proven sensor technology and the reliable construction, ensures years of operating excellence

### Reliable and versatile

The latest design is made to fit in different working environments, such as banks, Supermarkets, casinos, retail stores and other areas where cash is being handled

### Flexible choices

Depending on how many denominations you wish to count and sort, choose the DTC model that best meets your needs. The DTC-1 sorts and counts one denomination, the DTC-6 six denominations and the DTC-9 nine. An optional second solenoid can also be installed to separate a second currency or tokens

### Heavy duty coin sorter

The heavy duty coin sorter, built in strong metal, counts up to 600 coins per minute and sorts them into boxes. If two denominations are too close in diameter there is an option to install a second solenoid for optimal sorting

### Detect foreign coins

Besides counting and sorting coins into boxes, the unit features automatic rejection of foreign and damaged coins, as well as programmable batch stops

### Several sorting options

The coin sorter can be equipped with bag holders as well as coin tube holders



| Technical Specifications | DTC-1/DTC-2                                   | DTC-6                                       | DTC-9   |
|--------------------------|---|---|---|
| Weight                   | 14 kg (30.9 lbs)                              | 22 kg (48.5 lbs)                            | 30 kg (66.1 lbs)                              |
| Dimensions (W x D x H)   | 360 x 285 x 400 mm<br>(14.2" x 11.2" x 15.8") | 508 x 285 x 444 mm<br>(20" x 11.2" x 17.5") | 668 x 318 x 485 mm<br>(26.3" x 12.5" x 19.1") |
| Power supply             | 90-260 VAC, 60/50Hz                           | 90-260 VAC, 60/50Hz                         | 90-260 VAC, 60/50Hz                           |
| Power consumption        | Working mode: 60W<br>Standby: 24W             | Working mode: 60W<br>Standby: 24W           | Working mode: 60W<br>Standby: 24W             |
| Counting speed           | Up to 600 coins/minute                        | Up to 600 coins/minute                      | Up to 600 coins/minute                        |

## So what is a “sachet”?

A sachet is a pack or bag made from heat sealable flexible packaging material and is produced on a packaging machine generically referred to as a “vertical form fill and seal” machine.

Coin sacheting using the VFFS principle was pioneered by SCAN COIN in the UK during the mid-1980’s. Because of the experience SUZOHAPP has built up over that time and the coin sachet and bagging machines it has developed specifically for the coin handling industry, SUZOHAPP has become widely accepted as the market leader in the sachet packaging of loose coin.

SUZOHAPP delivers coin packaging solution ranging from a stand-alone sachet machine to complete and fully automated production lines. We supply to customers around the world, ranging from small coin processors to CIT companies, Central Banks and Mints.

The reliability and accuracy of the SC-9100 sachet machine range of which the SUZOHAPP coin counter technology is an integral part brings together a coin sachet packaging concept which has become widely accepted as the market leader. Together they make a world leading combination.



### Advantage coin sachets versus coin paper rolls

|   |  |
|---|--|
| Up to 80 sachet/min compared to 40 coin rolls/min     | Twice as high performance                              |
| High flexibility in nos. of coins packed per sachet   | Easy adaptation to any client request or business case |
| Easy change of denomination in coin counter           | Minimal down time / optimal production up time         |
| No film change when changing denomination             | Minimal down time / optimal production up time         |
| One film fits all sachet size and denominations       | Optimized procurement and storing                      |
| Printing sachet content/ information on film possible | Easy adaptation to any packaging configuration         |
| Higher efficiency with reduced manpower               | Minimizing labour cost                                 |
| Robust and well proven mechanical design              | High and reliable performance                          |
| Open design ease access for service and maintenance   | Minimal down time / optimal production up time         |
| Longer operating life                                 | Lower cost of ownership                                |

# Multi Sachet Solution

## A high volume machine for automated packaging of teller floats

### Teller Float Management

The Retail customer struggles daily with the complex balance that must be achieved in teller float cash management between the cost and risk of holding too much cash, and the need for ready availability of notes and coins. By customizing the till floats, CIT can optimise the teller float cash management for their Retail customers. The teller float services presents a continuously growing business opportunity for the CIT companies.

### Multi Sachet Solution (MSS)

High volume machine for automated packaging of sachet strings, possible for 8 denominations. Fully automatic feeding of coins to the coin counters.

Possibility to program:

- different packaging configurations
- number of sachets (i.e. denominations) in each string
- number of coins in each sachet
- number of strings to be produced

The average throughput is 30 sachets per minute. A higher throughput will be reached if a string is produced with fewer denominations and lower number of coins per sachet.



### Time & Cost Efficient Solution

- Allows for multiple pre-programmed setups of strings for quick operator changes
- Intuitive supervisor and operator HMI
- Simple configuration of customer packaging setting.
- Only 1-2 operators needed

### Extreme Flexibility & Adaptability

- The MSS Light gives a competitive edge as it allows production of teller floats exactly as per the retail customer's requirements
- The system can meet any customer's change of float requirements instantly
- The MSS Light is producing a customized string with different number of coins per denomination in every sachet
- Minimizes retail customer's manual processing of teller float and dispensing to tellers (MSS Light produces 1 string/teller)

### Technical Specifications

|                |   |
|----------------|---|
| MSS Light      | 011-009690-001                                    |
| Dimensions     | 1,760 x 2,360 x 1,510 mm<br>(69.3 x 92.9 x 59.4") |
| Weight         | 410 kg (903 lb)                                   |
| Supply voltage | 230 AC  |
| Frequency      | 50 Hz   |
| Rated current  | 10 A  |
| Sound level    | 80 dB   |

## Multi Sachet Solution Light

A low volume machine for automated packaging of teller floats

### Teller Float Management

The Retail customer struggles daily with the complex balance that must be achieved in teller float cash management between the cost and risk of holding too much cash, and the need for ready availability of notes and coins. By customizing the till floats, CIT can optimise the teller float cash management for their Retail customers. The teller float services presents a continuously growing business opportunity for the CIT companies.

### Multi Sachet Solution Light (MSS Light)

Low volume machine for automated packaging of sachet strings, possible for 8 denominations. With up to 8 manually fed coin dispensers, one for each denomination.

Possibility to program:

- different packaging configurations
- number of sachets (i.e. denominations) in each string
- number of coins in each sachet
- number of strings to be produced

The average throughput for a string with 8 denominations and 25 coins per sachet is 8 sachets per minute. A higher throughput will be reached if a string is produced with fewer number of sachets (i.e. denominations) and lower number of coins per sachet.



### Time & Cost Efficient Solution

- Allows for multiple pre-programmed setups of strings for quick operator changes
- Intuitive supervisor and operator HMI
- Simple configuration of customer packaging setting.
- One operator only

### Extreme Flexibility & Adaptability

- The MSS Light gives a competitive edge as it allows production of teller floats exactly as per the retail customer's requirements
- The system can meet any customer's change of float requirements instantly
- The MSS Light is producing a customized string with different number of coins per denomination in every sachet
- Minimizes retail customer's manual processing of teller float and dispensing to tellers (MSS Light produces 1 string/teller)

### Technical Specifications

|                |   |
|----------------|---|
| MSS Light      | 011-009690-001                                    |
| Dimensions     | 1,760 x 2,360 x 1,510 mm<br>(69.3 x 92.9 x 59.4") |
| Weight         | 410 kg (903 lb)                                   |
| Supply voltage | 230 AC  |
| Frequency      | 50 Hz   |
| Rated current  | 10 A  |
| Sound level    | 80 dB   |

# CONTACT US

## EUROPE, MIDDLE EAST, AFRICA

### BELGIUM

SCAN COIN Belgium sa  
De Vunt 13 b 18  
B-3220 Holsbeek  
☎ +32 16 296 073  
✉ info.hb.be@suzohapp.com

### DENMARK

SCAN COIN A/S  
Smedeland 6  
DK-2600 Glostrup  
☎ +45 43 63 06 44  
✉ +45 43 43 27 28  
✉ info.gl.dk@suzohapp.com

### FRANCE

SUZOHAPP France SAS  
93 rue Péreire, Bât. F, CS 60864  
F-78105 Saint Germain-en-Laye Cedex  
☎ +33 1 39 04 05 63  
✉ +33 1 39 73 22 46  
✉ sales.fr@suzohapp.com

### GERMANY

SUZOHAPP Germany GmbH  
Hamburger Str. 11  
22083 Hamburg  
☎ +49 40 54 76 130  
✉ +49 40 54 76 1330  
✉ sales.de@suzohapp.com

### IRELAND

SCAN COIN Ireland Ltd.  
Bracetown Business Park  
Clonee, Dublin 15 D15 DH2N  
☎ +353 1 8014077  
✉ +353 1 8014129  
✉ sales@scancoin.ie

### ITALY

Comestero Group S.r.l.  
Centro Direzionale Cassina Plaza  
Via Roma 108, Edificio F scala 1  
20060 Cassina de' Pecchi (MI)  
☎ +39 02 87 17 66 78  
✉ +39 02 95 38 01 78  
✉ sales.it@suzohapp.com

### NORWAY

SCAN COIN AS  
Rosenholmsveien 20  
NO-1252 Oslo  
☎ +47 66 81 34 00  
✉ +47 23 382 939  
✉ info.os.no@suzohapp.com

### POLAND

SUZOHAPP Polska Sp. z o.o  
Skladowa 1B, Koninko  
62-023 Gądko k. Poznania  
☎ +48 61 271 6060  
✉ +48 61 271 6061  
✉ info.pl@suzohapp.com

### SPAIN

SUZOHAPP Spain S.A.  
Avenida Pirineos, nr. 7 Interior, nave B2  
28703 San Sebastián de los Reyes  
Madrid  
☎ +34 916 611 818  
✉ +34 902 446 777  
✉ sales.es@suzohapp.com

Avenida de Cornellá, n. 142  
Planta 1ª Edificio Lekla  
08950 Esplugues de Llobregat - Barcelona  
☎ +34 934 802 878  
✉ +34 902 446 777  
✉ sales.es@suzohapp.com

### SWEDEN

SCAN COIN AB  
Nordenskiöldsgatan 24  
211 19 Malmö  
☎ +46 40 6000 600  
✉ info.se@suzohapp.com

SCAN COIN Intramat AB  
Marinvägen 5  
SE-471 41 Rönnäng  
☎ +46 40 600 06 00  
✉ order.intramat@scancoin.com  
✉ support.intramat@scancoin.com

### SWITZERLAND

SUZOHAPP Switzerland SA  
Route de Pra de Plan 17  
CH-1618 Châtel-St-Denis  
☎ +41 21 905 36 95  
✉ +41 21 905 44 12  
✉ info.cd.ch@suzohapp.com

### THE NETHERLANDS

SUZOHAPP Netherlands B.V.  
Rijnzathe 12  
3454 PV De Meern  
☎ +31 (0)186 643333  
✉ sales.nl@suzohapp.com

### UNITED KINGDOM

SUZOHAPP (UK) Ltd  
Units 1 & 2, King Georges Trading Estate  
Davis Road, Chessington,  
Surrey KT9 1TT  
☎ +44 208 391 7700  
✉ +44 208 391 7760  
✉ sales.uk@suzohapp.com

Dutch House, 110 Broadway  
Salford Quays,  
Salford M50 2UW  
☎ +44 161 873 0505  
✉ +44 161 873 0501  
✉ sales@scancoin.co.uk

SCAN COIN Technology Ltd  
22, Stafford Park, 12  
TF33BJ Telford  
☎ +44 1952 200 636  
✉ +44 1952 290 018

## NORTH, CENTRAL, & SOUTH AMERICA

### CANADA

SUZOHAPP Canada  
587 Hanlan Road  
Woodbridge, ON L4L 4R8  
☎ Local Phone: +1 905-851-9775  
☎ +61 3 9757 5000  
☎ Tool free: +1 800-239-7017  
☎ Tech. Support: +1 847-593-6161 Ext 7733  
✉ bill-to-bill@suzohapp.com

### USA

SUZOHAPP Americas  
1743 Linneman Rd  
Mount Prospect, IL 60056  
☎ Toll Free: +1 888-289-4277  
☎ Local Phone: +1 847-593-6130  
✉ Toll Fax: +1 800-593-4277  
✉ Local Fax: +1 847-593-6137  
✉ info@suzohapp.com

SUZOHAPP Americas  
1385 Pama Lane Unit 100  
Las Vegas, NV 89119  
☎ Toll Free: +1 888-289-4277  
☎ Gaming Tech Support: +1 702-588-5365  
☎ Non-Gaming Tech Support:  
+1 847-593-6161 Ext 7124  
✉ Toll Free Fax: +1 877-870-2259  
✉ Local Fax: +1 702-597-4837  
✉ info@suzohapp.com

SUZOHAPP Americas  
7745 Carondolet Ave., Suite 300  
Clayton, MO 63105  
☎ +1 847-593-6161  
✉ +1 800-593-4277  
✉ info@suzohapp.com

## ASIA, PACIFIC, AUSTRALIA

### AUSTRALIA

SUZOHAPP Australia Pty Ltd  
44-48 Rocco Drive, Scoresby, Victoria 3179  
☎ +61 3 9757 5000  
☎ Free Call: +61 1300 00 7896  
✉ +61 3 9763 7265  
✉ info@suzohapp.com.au

### CHINA

SUZOHAPP Asia Limited, Macau  
Avenida Venceslau de Morais no. 157  
Kek Seng Industrial Building  
Phase 2, 2nd Floor-L  
Macau  
☎ +853 2895 6289  
✉ +853 2843 7019  
✉ info@suzohappasia.com.mo

SUZOHAPP China Limited  
Shenzhen branch  
Room 5405, Chun Hing Square  
Diwang Commercial Center, Luohu District  
Shenzhen  
☎ +86 0755 2512 3746  
✉ info.ko.hk@suzohapp.com

SUZOHAPP China Factory  
Zhuhai Factory  
3 Airport North Rd, Sanzao  
Jinwan District, Zhuhai, 519040  
☎ +86 7567511630  
✉ +86 756 7511283  
✉ info.ko.hk@suzohapp.com

SUZOHAPP Hong Kong Limited  
Unit B, 3/F, Dragon Industrial Building,  
93 King Lam Street, Lai Chi Kok, Kowloon  
Hong Kong  
☎ +852 25906438  
✉ +852 2590 6423  
✉ info.ko.hk@suzohapp.com

Coin Acceptors (Suzhou) Co., Ltd.  
401, Block D, No.5 Xinghan Street, Suzhou  
☎ +86 512 67613283  
✉ +86 512 67613279

### INDIA

SUZOHAPP India  
803, Lodha Supremus, Road no. 22  
Wagle Estate,  
Thane (West), 400604  
Mumbai - Maharashtra  
☎ +91 22-25833388/99





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