

Q-CashRouter

Why not improve service and reduce costs by simultaneously recycling cash for four people instead of just one?

Advanced cash recycling system



Fast facts

Automated cash recycling system with unlimited capacity for banknote deposit

Supports simultaneous deposit and withdrawal of banknotes

Securely stores sorted banknotes using tamper-proof SealPack™ technology

Integrated 12 mm, CEN III and CEN IV safes

Easy-to-customise, modular system

Optional coin deposit module

Complies with the European Central Bank (ECB) regulations

Ink-dye Detector

Application

The Q-CashRouter is an advanced modular banknote recycling system that is capable of simultaneously processing deposits and withdrawals.

Ideal for banks, retailers and cash-in-transit companies, the system facilitates daily cash handling by re-circulating deposited cash for withdrawals.

Specially designed for high volume locations such as shopping malls and supermarkets, the Q-CashRouter can also be used in remote locations where cash replenishment is both time-consuming and expensive.

How it works

Based on innovative technology, the Q-CashRouter re-circulates deposited cash for withdrawal by consumers or business customers.

The main unit supports deposit, recycling and dispensing of banknotes, counterfeit detection, and sorting and storage of suspect, ink-dyed or unfit banknotes. By adding up to two dispensing fascias to the main unit, the Q-CashRouter can simultaneously handle multiple transactions. It receives, authenticates and immediately accounts for cash from retailers whilst dispensing cash to consumers.

Benefits

- Cuts cash handling costs by re-circulating banknotes at the point of deposit
- Simultaneously supports multiple automated transactions securely and accurately
- Minimises cash transport requirements and the risk of internal or external theft
- Specially designed ink-dye detection of ink-stained banknotes
- Secure SealPack packaging of excess banknotes for immediate re-selling or loading of ATM's

Q-CashRouter

System features

Hardware	
Note deposit	Main front/rear fascia: Unlimited. Repeatedly processes up to 400 unsorted banknotes per bunch. Escrow as standard.
Note dispenser	Main front/rear fascia: Up to 180 banknotes per bunch. Side fascia: Up to 50 banknotes per bunch. Retract: Up to 50 banknotes for max. of two times.
Storage	Two to six recycling storage modules, each with a minimum capacity of 500 banknotes. Secure SealPack storage for unfit, counterfeit or surplus notes. SealPack bins: Available as 3,000-note or 10,000-note modules.
Displays	Front fascia: 15" TFT colour LCD. Resolution: Supports up to 1024 x 768 pixels (XGA). 4 plus 4 menu keys. Optional touchscreen. Rear fascia: 10" TFT colour LCD. Resolution: Supports up to 800 x 600 pixels (SVGA). 4 plus 4 menu keys. Side fascia: 15" TFT colour LCD. Resolution: Supports up to 1024 x 768 pixels (XGA). 4 plus 4 menu keys. Optional touchscreen.
Detector unit	Standard device for banknote reading and detection in accordance with ECB regulations. Supports most currencies.
Ink-dye Detector	Ability to detect ink-dyed notes (option)
Thermal receipt printer	Graphics printer with loop presenter and top of form. Paper rolls: Max. diameter 203 mm; inner diameter 25.4 mm. Max. paper length: Approx. 480 m. Paper width: 80 mm (48 columns). Easy paper loading. Mini-statement width: 80 columns x 20 rows. One printer per fascia.
Journal	Electronic journal and/or printer journal. Journal matrix printer paper rolls: Max. diameter 83 mm; inner diameter 12.5 mm. Max. paper length: Approx. 60 m. Paper width: 76 mm (40 columns).
Card reader	Motorised card reader in recessed position: Read tracks 1-3 (LoCo/HiCo); write tracks 1-3 (LoCo); smart card support. EMV4 Level 1 approved. Anti-skimming. Card return at power failure. Lockable card capture bin. Bin capacity: 20 cards.
Consumer keyboard	16-key tamper-resistant keyboard in recessed position. Secure Encrypting PIN Pad (EPP). DES, 3DES, MAC RSA, VISA PED certified. High performance for fast EMV transactions. Country-specific character sets available. Upgradeable functionality. Braille as standard.
Operator keyboard	Standard alphanumeric keyboard with tracking ball.
Physical security	Main unit: Standard 12 mm, CEN III and CEN IV safes. Locking device 1: Electronic dial combination lock. Device 2: Key lock, alarm sensors. Magnetic switch x 2. Prepared for seismic detector. Side fascia: 1.5 – 2 mm steel plate. Locking device.
Options	Barcode reader. Speaker and earphone connector. Camera. Braille. Remote status indicator (RSI). Burglar alarms. Customised colours. Logo light panel.
Dimensions (CEN IV safe)	Main unit: Width 824 mm; Depth 1560 mm; Height: 1680 mm. Weight: 1950 kg. Side fascia: Width 670 mm; Depth 520 mm; Height 1640 mm; Weight 150 kg.
System architecture	
	Industry standard PC (Intel Pentium 4) with Windows XP. Host connection via TCP/IP or X.25. Q-Connect software support. EMV Level 2 approved. Internal UPS. One PC per fascia.
Maintenance	Prepared for central monitoring and/or remote access. Graphical error recovery tools.

Advanced cash recycling system

Other BANQIT products
Q-CashLobby 25
Q-CashExterior 25
Q-CashExterior 35
Q-Cash 45
Q-Connect

About BANQIT

BANQIT develops, manufactures and markets solutions for local cash handling. BANQIT offers innovative systems based on cutting edge technology to banks, cash-in-transit companies and retailers.



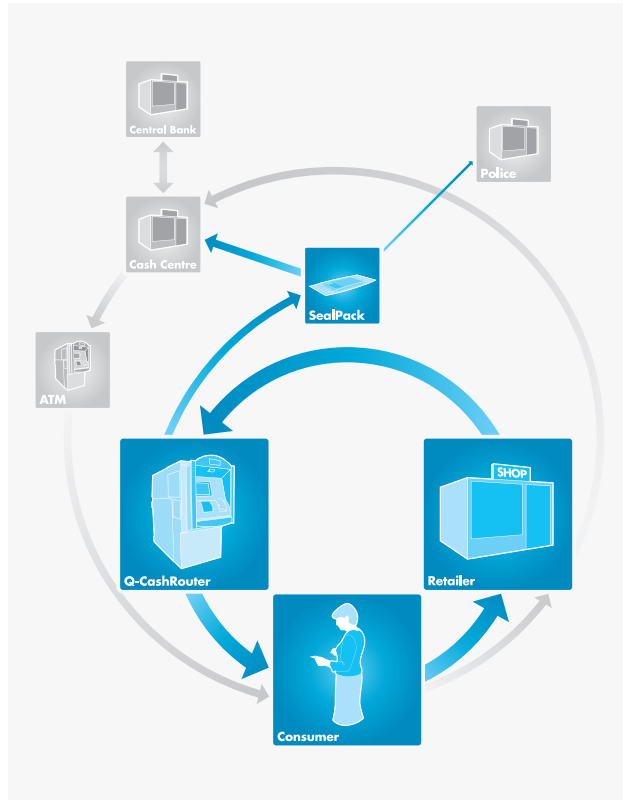
Manufacturing of BANQIT products adheres to RoHS and CE directives and is approved according to ISO 9001 quality management standards and the ISO 14000 environmental management standards.

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Q-CashRouter

How it works



Reducing cash handling costs with Q-CashRouter

The pace of commerce is accelerating, bringing changes to the entire financial supply chain. To remain competitive, banks, retailers and cash-in-transit companies must take a new, more sophisticated approach to cash handling in order to keep costs down and profits up.

The Q-CashRouter is an innovative cash recycling system that makes the management of cash in society more efficient and secure. The system counts, sorts, controls and authenticates deposited banknotes in accordance with European or other national regulations and then re-circulates cash directly at the point of deposit for withdrawal by consumers or other businesses.

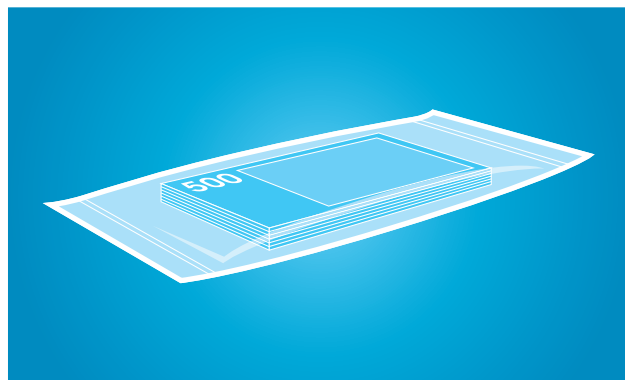
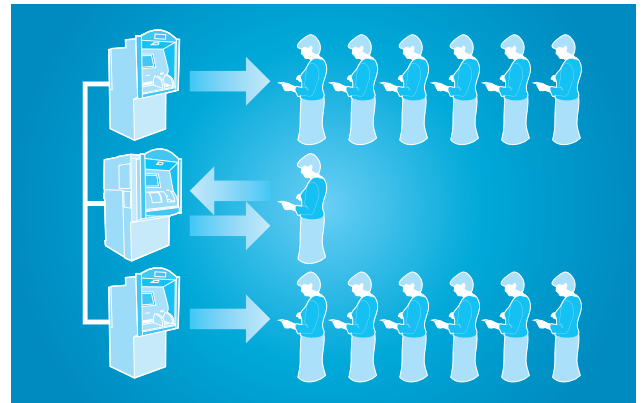
Any surplus or unfit banknotes are taken out of circulation and stored using SealPack technology in heat-sealed, tamper-proof plastic enclosures with the content labelled in clear text and barcoded. This eliminates the time and costs associated with transporting banknotes to cash centres for processing and then back to ATMs.

By reducing transportation requirements and automating information exchange, the Q-CashRouter decreases the overall cost of cash handling whilst increasing the level of security.

Faster, more efficient service now costs less

By adding up to two side fascias to the main unit, the Q-CashRouter can simultaneously process bunch deposits at the main fascia whilst dispensing cash at the others.

Processing a large bunch deposit with 400 banknotes requires approximately three minutes. In those three minutes, up to 10 other people can withdraw cash from the Q-CashRouter. This maintains the balance between supply and demand and helps increase service fee revenues whilst decreasing cash flow and cash handling costs.



About SealPack™

- Heat-sealed, tamper-proof plastic enclosures
- Securely removes surplus or unfit banknotes from circulation
- Enables cost-effective closed loop cash handling
- Reduces risk of internal or external theft
- Labels contents with barcode encoding and clear text, including customer name and account number
- Preserves biological traces, including fingerprints and DNA

Key functions

The main unit of the Q-CashRouter supports automated cash deposit and cash dispensing functions in two service areas, the front fascia for retailers and consumers and the rear fascia for authorised personnel. Up to two side fascias that support cash

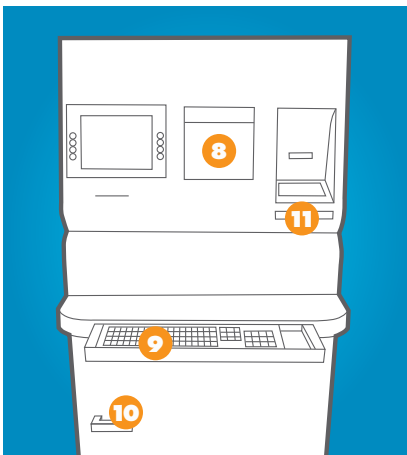
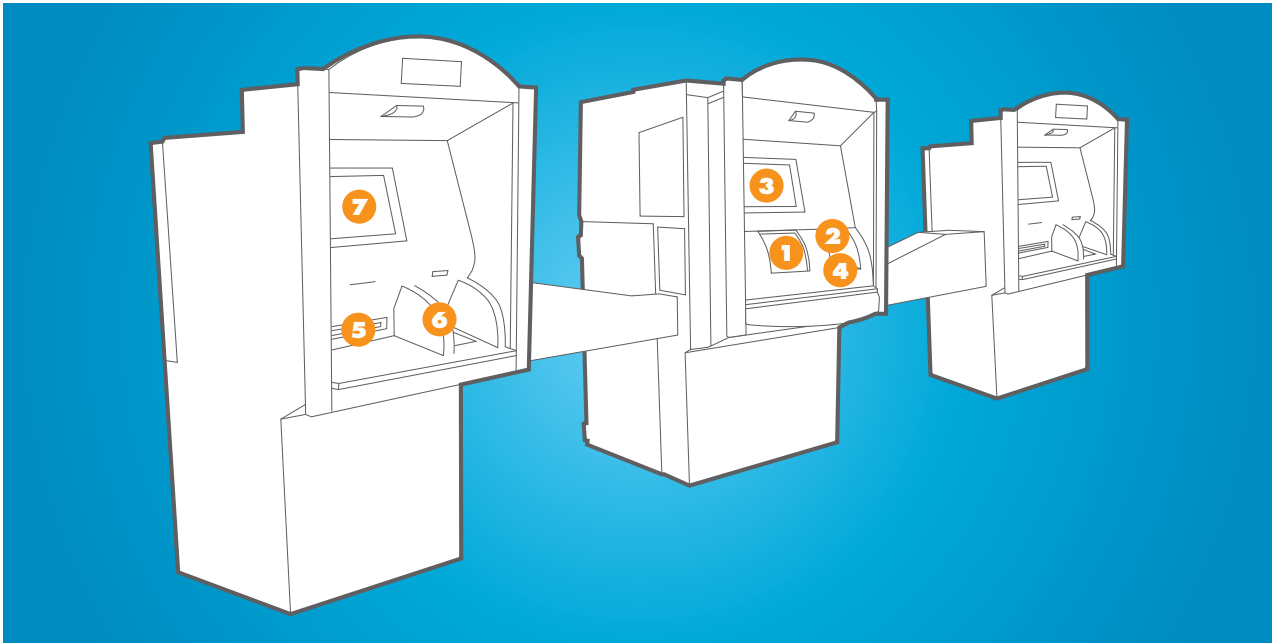
dispensing functions can be connected to the main unit, providing up to three self-service fascias at the front and one at the back. All four fascias can be used at the same time.

Main unit / Front fascia

- 1** Note deposit and dispense. Processes unlimited bunch deposits with up to 400 banknotes in each bunch. Distributes up to 180 banknotes in a single transaction.
- 2** Recessed keyboard and card reader. Protects the integrity of customer information.
- 3** 15" LCD. Clearly presents information to the user whilst preventing unauthorised viewing with an optional anti-glare filter. Optional touchscreen is available.
- 4** Optional barcode reader. Enables convenient processing of bills. Bi-directional scanning for ease of use.

Side Unit/Side fascia

- 5** Note dispense. Distributes up to 50 banknotes in a single transaction.
- 6** Privacy shield. Protects the integrity of customer information during transaction.
- 7** 15" LCD. Clearly presents information to the user whilst preventing unauthorised viewing with an optional anti-glare filter. Optional touchscreen is available.



Main unit / Rear fascia

- 8** Note deposit and dispense. Processes unlimited bunch deposits with up to 400 banknotes in each bunch. Distributes up to 180 banknotes in a single transaction. Enables authorised personnel to replenish the unit with cash without opening the safe.
- 9** Administration. Enables authorised personnel, such as head tellers and cashiers, to manage cash handling functions including journal entries, access and security level configuration, new customer data entry and customisation of SealPack content.
- 10** Surplus banknote handling. Enables authorised personnel to collect SealPacks for storage in secure onsite vaults, or for transportation to a cash centre.
- 11** Hand-held barcode reader. Enables authorised personnel to scan encoded SealPack enclosures at collection.