Bill to Bill
currency management system

Engineering the Future of Currency Validation

CashCode®

The Bill-to-Bill™ is a fully integrated, high-security, frontloading system that utilizes advanced bill recycling technology for cash and cashless transactions. It precisely validates, recycles, dispenses and bundles cash, breaks bills for change, and processes smart card transactions—all in one consolidated unit.

By virtually eliminating labor costs, the Bill-to-Bill automates the sales transaction process. Efficient, evolved, intelligent, it delivers to your business a measurable return on investment—providing unparalleled accuracy. Stop worrying if your cash is being handled with integrity: the Bill-to-Bill places a series of automated checks and balances in the sales cycle, reducing your costs—and making money for your business.

With the versatility that the Bill-to-Bill provides, create a multitude of custom applications. *Let your imagination be the blueprint!*

Validate. Choose from fixed-width or multi-width bill, smart card and coupon validation.

Dispense. The Bill-to-Bill can bundle and dispense up to 20 bills at a time.

Recycle. Developed to replenish with cash transactions, the Bill-to-Bill saves you refilling costs—and the expense of high float levels.

Store. Drop cassette features a high-security locking mechanism for added peace of mind.

Integrated components. The fully integrated Bill-to-Bill currency management system includes a bill validation module, bundling bill dispensing module, power supply module, up to three bill recycling cassettes, and a lockable drop cassette.

Modularity. All components of the Bill-to-Bill are completely modular in design—offering maximum performance and customization. The design allows for quick, tool-free, front service access.

Cutting-edge sensor technology. *Multi-spectrum optic* sensors simultaneously scan both sides of the bill for optimal pattern recognition; a patented, non-contact *inductive* sensor maximizes counterfeit detection; and a scientifically developed *dielectric* sensor detects paper density, security threads and watermarks. The result is integrity of identification—with a validation rate of 96% or greater on first bill insertion.

Advanced validating head. With the Bill-to-Bill, you get the same industry-leading technology you have come to expect from the CashCode FrontLoad bill validator.

- Fixed-width or multi-width bill, smart card and coupon validation.
- Self-centering transport guides for bills or coupons of different widths (multi-width unit).
- Bezel for bill and cashless currency validation—with LED, smart card, digital display and infrared port options.
- Advanced autotuning/autocalibrating sensor technology for unprecedented level of security.
- Flash memory.
- Sense-a-Click™ sensor paks for a broad range of currency validation, and dual currency validation.

Recycling cassettes. Developed to replenish with cash transactions—saving you refilling costs and the expense of high float levels. Each of the three recycling cassettes can be programmed to accept any bill denomination or currency, storing up to 120 bills—and, can be programmed for an escrow function. Designed to ensure double bill payment does not occur in error, CashCode's unique bill storage and dispensing process keeps your profits secure. Further, up-to-the-minute reporting is available through CCNet protocol, which communicates the content and status of the cassettes—as well as vital operating parameters.
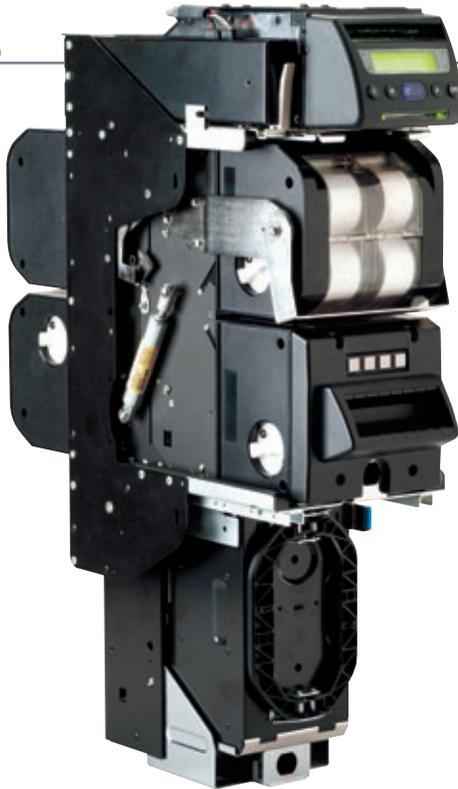
Dispensing cassette. This high-tech dispensing module can bundle and dispense up to 20 bills at a time.

Superior security. Keep your cash secure with two optional drop cassette locks, and a patented third lock built into the validator frame. A fourth lock is also available to secure the entire recycling assembly.

Applications. The sky's the limit! The versatile Bill-to-Bill allows you to create a multitude of custom applications. Let your imagination be the blueprint!

Added peace of mind. A battery backup ensures the Bill-to-Bill completes transactions—even when power failures occur.

features

- Validates, recycles and dispenses bills.
- Reduces overall cash on hand and operating costs.
- Recycling cassettes replenish with cash transactions—saving you refilling costs.
- Select up to three denominations for recycling— and easily designate "float" level.
- Tool-free front access.
- Battery backup ensures transactions are complete— even when power failures occur.
- CCNet protocol allows for easy, remote online download.
- Optional infrared communication allows for remote statistical analysis from laptop or handheld devices.
- Validating head includes all high-tech features of the CashCode FrontLoad bill validator.

specifications

Bill Width Validated	67 or 71mm wide (fixed-width) 62 to 82 mm wide (multi-width)
Bill Insertion	Four-way
Validation Rate	96% or higher
Escrow	Multi-bill programmable
Sensors	Patented optical, inductive, dielectric, cross-channel (anti-stringing), and barcode
Bezel Options	1) standard; 2) LED; 3) LED w/ digital display (optional infrared port); 4) LED w/ digital display & smart card (optional infrared port)
Interfaces Supported	Bi-directional (RS232), USB
Protocols	CCNet
Program Memory	Flash Memory

Operating Voltage	24V DC
Power Requirements	4A max.
Operating Temperature	0° C to 50° C
Validation M.T.B.F.	1.5 million cycles
Dispenser/Switch M.T.B.F.	1.5 million cycles
Dimensions (W x H x D)	163 x 569 x 378 mm
Weight	< 15 kg
Cassette Sizes Available	600 or 1000 bill capacity
Drop cassette Options	Up to two custom locks; iButton® memory
Recycling Cassette	3 x 120 bill capacity intelligent cassettes
Dispensing Cassette	1 cassette; bundles and dispenses up to 20 bills