



CURRENCY YOU CAN COUNT ON



SETTING THE STANDARD FOR
DESKTOP BANKNOTE PROCESSING

COBRA[®]

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TOGETHER MORE SECURE

De La Rue works with banks around the world to provide currency solutions that help ensure public confidence, essential to a safe and stable cash system. Our deep experience and understanding of the complete cash cycle means we can work with you to deliver a tailored currency strategy, appropriate to the specific demands of your operation. Our goal is to be your trusted partner, providing assurance through all stages of the cash cycle.

Leading cash handling organisations recognise the need to continuously improve every area of their workflow in pursuit of improved security, productivity and performance.

Central and commercial banks, armoured carriers and other bulk cash processors are under pressure to achieve greater operating efficiencies by improving or replacing existing practices. Customers are demanding faster turnaround times for cash deposits while still expecting the highest standards of accuracy and security.

An increasingly competitive marketplace demands innovative solutions capable of delivering all these benefits and more, while reducing the total cost of ownership.

De La Rue's Cobra® family of sorters sets the standard for desktop banknote processing, offering the convenience of modularity, the confidence that comes from its comprehensive detection performance, and the day-in, day-out productivity ensured by its proven banknote handling capability. All our authentication systems have been specifically engineered to meet the needs of all of our customers and can be upgraded to ensure compatibility with new banknote designs and security features.

SETTING THE STANDARD FOR DESKTOP BANKNOTE PROCESSING

THE FLEXIBILITY TO MATCH YOUR NEEDS

Offering true modularity to meet current and emerging business requirements, Cobra® sets the standard for desktop banknote sorting by combining the flexibility and processing capabilities usually associated with larger machines.

Cobra® offers an unparalleled choice of output options designed to handle the demands confronting cash handling organisations.

Different numbers of output pockets can be easily configured to meet various processing needs. For example, eight or twelve pockets are ideal for spreading mixed denomination euro or dollars in a single-pass.

Cobra® can be upgraded on site, adding extra pockets or modifying sorting processes or detectors to maximise your investment as your business needs change.



LOWERING THE TOTAL COST OF OWNERSHIP

EFFICIENCY

Best-in-class ability to process poor quality notes that maximises throughput day after day.

INTEGRITY

Reliable counting and precision detection ensures 100% accuracy.

SECURITY

Accommodates third party covert detectors and can be fitted with a shredder module for central bank operation.

CONNECTIVITY

Open architecture allows seamless integration with networks and cash management systems such as ECM™ ISA.

RELIABILITY

Highly engineered to combine performance with robustness, the Cobra® system is built for 24x7 availability and investment.

MODULARITY

The ability to add or remove modules on-site in minutes, with a range of output options including additional pockets and secure shredding.

USER-FRIENDLY

Intuitive ergonomics and simple graphical user interface increase operator productivity.

THROUGHPUT

Processing at speeds up to 10 notes per second combined with operating efficiency, delivers class-leading performance.



COBRA® FOUR-POCKET

Ideal for single denomination fitness sorting, counting and issue splitting.



COBRA® EIGHT-POCKET

Designed for commercial processing operations with single pass spread sorting and ATM-fitness sorting.



COBRA® TWELVE-/SIXTEEN-/TWENTY-POCKET

A range of industry leading solutions for mixed denomination fitness sorting, facing and orientation with authentication – all in a single pass.

COBRA® COMPACT SHREDDER

The Cobra® Compact Shredder is a fast, desktop note destruction module that can be integrated with the Cobra® for central bank operations.

Through secure data exchange with the Cobra®, accurate reporting information is made readily available at the intuitive graphical user interface or directly with the ECM™ software suite.

Details of the number of notes shredded and which batch they came from are securely logged. Tamper-proof reports record any unauthorised access to the secure shredder box, which is controlled by dual key access. In addition, paper ticket reports are provided at the touch of a button using the in-built printer.

Incorporating proven technology, Cobra® is well suited to the most demanding of environments.

UNIQUE FEATURES GIVE YOU THE EDGE

Cobra® Compact Shredder

Capable of shredding up to ten notes per second, the Cobra® compact shredder matches the fast processing speed of the Cobra®, ensuring best in class performance.

Efficient note feeder

Cobra®'s 2000 note feeder, the largest capacity in its class, increases operator productivity by reducing reloading frequency while handling the poorest quality notes easily and fast.

Short-edge note feed – simple note path

The compact and simple transport design grips the note on both sides ensuring superior handling of poor quality banknotes without changing their travel direction.

Intuitive interface

Advanced colour graphical user interface clearly shows the number and location of notes processed, and guides the operator via keypad control.

Reconciliation – accurate and efficient

For enhanced and secure deposit processing, Cobra®'s easily accessible reject pocket facilitates fast reconciliation using the on-line or off-line mode.

Large capacity pockets

Large, easy accessible output pockets give maximum visibility of contents while increasing operator efficiency. Bright LED indicators prompt operator action.

Integrated part of ECM™ solution

Designed to integrate with vault management packages, Cobra® can increase cash centre productivity by running second pass rejects from a high-speed sorter before reconciliation.

Automated Commercial Deposit Processing (ACDP)

ACDP revolutionises your processing capacity. It enables you to meet your customers' current and future processing needs more quickly, easily and economically. It dramatically reduces the cost of processing each banknote, giving you a significant competitive advantage.

De La Rue's patented Automated Commercial Deposit Processing (ACDP) enables you to process multiple customer deposits continuously in a single pass, without stops for batch balancing and reports.

With ACDP, reconciliation is performed off-line. ACDP offers limitless options for combining several processes, such as fitness sorting, orientating and spreading mixed denominations into a single pass process.

ACDP enables you to:

- process high-and low-volume customer deposits in the same pass
- reconcile deposits continuously while processing
- process multi-denomination currency
- accept mixed media deposits such as coupons and vouchers in any orientation
- offer automated prime count facilities to retail customers.

Quick Deposit Processing (QDP™)

QDP takes the ACDP process one step further. By removing all unnecessary PCDs when re-running rejects, we are able to significantly reduce the volume of documents sent to the reconciliation team, driving further savings in the overall process and streamlining the operation.

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Ergonomically designed,
multi-functional and purpose-built,
Cobra® is a proven and robust desktop
banknote sorter from De La Rue.
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PRODUCT SPECIFICATION

Processing capability	Maximum throughput Up to 36000 notes/hour (600 notes/second)
Feeder	Up to 2000 notes, continuous feeding, friction design, short-edge note feeding
Cobra® base module	Four output pockets, each holding up to 200 banknotes (loose stack) One reject pocket, up to 100 banknotes (loose stack)
Note size range	Width: 55mm x 92mm (2.2" x 3.6") Length: 110mm x 185mm (4.3" x 7.3")
Banknote material	Paper and polymer substrate
Output options	Cobra® extension modules Up to four, four-pocket modules, each up to 200 banknotes (loose stack)
Overrun pocket	One, for easy note recovery
Shredder	On-line Shredder fragment size 1 x 10mm nominal (0.04"x0.4")

DETECTORS

Condition detectors	Soil, physical damage, tape, corner folds Limpness
Recognition detectors	Full width, pattern recognition Optional: Graffiti recognition
Authenticity detectors	Full range dependent on notes and third-party depending on specification

Cash processing modes	Multi-denomination/multi-currency, multilevel fitness and authentication sort modes available on customer request
User interface	Display 21cm (8.4") Graphical LCD screen with moveable tactile keyboard
Operating system	MS Windows, SQL Server
Security access control	User level role setup
Connectivity	Standalone or 100 Base-T network connection, standard RS232C serial port, USB printer
Operating conditions	Power 220V-240V 50/60Hz 110V-120V 50/60Hz
Power ratings	Cobra® base module 1.3kVA Cobra® 4-pocket extension 1.3kVA Compact Shredder 1.5kVA
Noise	<73 dBA
Ergonomics	One operator seated or standing. Designed for AFNOR compliance
Operating temperature	15-30°C (59-86°F)
Humidity	30-70% RH non-condensing
Approvals	CE, UL pending
Dimensions	Cobra® base module Height: 650mm (26") Width: 1250mm (49") Depth: 580mm (23") Weight: 120kg (264lb) Per Cobra® extension module Height: 650mm (26") Width: 710mm (28") Depth: 580mm (23") Weight: 63kg (139lb)