

ADVANCED HIGH-SPEED BANKNOTE SORTER

DLR 7000



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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.

The DLR 7000 high-speed banknote sorter from De La Rue is the solution of choice for all currency processing organisations.

This sophisticated high-speed sorter has been specifically engineered to meet your needs and can be upgraded to ensure compatibility with new banknote designs and upgraded security features. Combining speed and technology, it ensures optimum security, productivity and performance for central banks, commercial banks and other organisations that need to handle large volumes of currency or other documents of value efficiently.

The DLR 7000 is a truly upgradeable, modular system that can easily be configured to match your needs. The system can be adapted for multi-denomination or single denomination sorting, on-line shredding, cassette filling or multi-currency modes. Your options are virtually unlimited.

If your current strategy involves reducing costs, improving productivity and enhancing security while adapting to meet future challenges, the DLR 7000 from De La Rue is a solution you can count on.

INNOVATION YOU CAN COUNT ON



DLR 7000 - INVESTING FOR THE FUTURE



EASE OF USE

An advanced user interface makes the DLR 7000 easy to operate and service, maximising machine availability and productivity.

Transporting currency at up to 120000 notes per hour, or 2000 notes per minute, the DLR 7000 banknote sorter processes notes of any orientation, denomination or issue, delivering dramatic efficiency gains to your operation.

The DLR 7000 you select today can be configured and expanded as the demands on your currency processing organisation change and multiply. Add pockets, strappers, detectors and banknote packaging, or upgrade the speed of the sorter as your requirements increase. All upgrades are designed to be implemented in the field with minimum impact on day-to-day operations.

SECURITY

Robust system design ensures complete accounting integrity, access control and regulatory compliance.

PERFORMANCE

Leading-edge detector design helps to ensure the correct sorting decisions are made on each banknote, improving overall operating efficiency.

PRODUCTIVITY

The DLR 7000 is designed for intensive, continuous processing environments, reducing the cost of processing each banknote.

STABILITY

Advanced transport design improves the presentation and handling of poor quality notes, ensuring repeatable sorting decisions at the maximum transport speeds, even on the poorest quality banknotes.

FLEXIBILITY

You can add new banknote denominations or series, customise reports and change displays on-site.

CONNECTIVITY

Open architecture allows the DLR 7000 to integrate seamlessly with vault management and business intelligence software.

MODULARITY

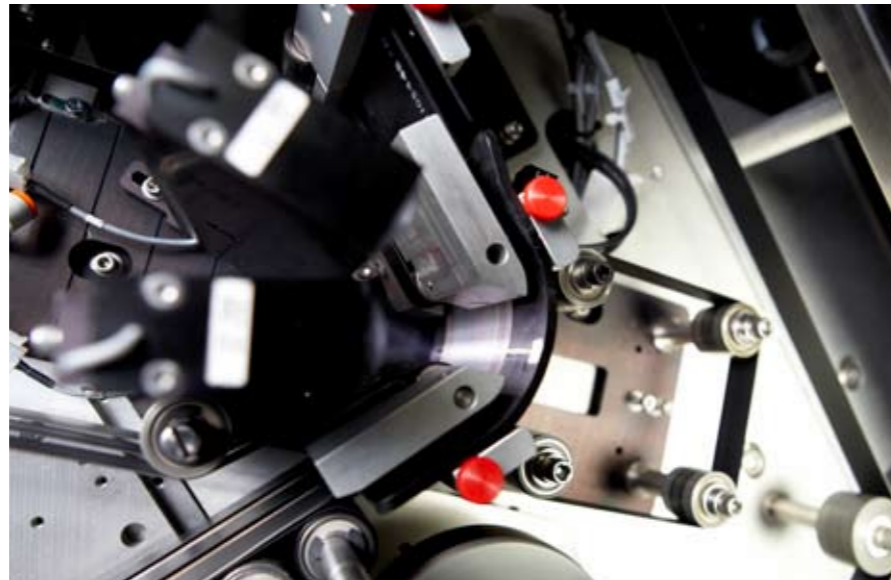
Multiple configurations available depending on your requirements – pocket combinations, on-line shredding, banknote strapping and packaging plus expandable detector space and AutoFacer™.

COST OF OWNERSHIP

Multiple service options include remote diagnostics. Major components can be repaired and calibrated on-site, significantly reducing cost of ownership and increasing machine availability.

BUILT TO YOUR SPECIFICATION

Using a truly modular design, user-friendly operations and advanced note counting technologies, we can tailor each DLR 7000 system to match your requirements.



Feeder options

Choose from the standard 4000-note capacity feeder, already the largest in its class; or the 6000-note capacity extended feeder upgrade.

Detector options

The DLR 7000 offers a full range of classification, authentication and fitness detectors, including full-colour image scanning. It also fully supports third-party detectors.

Output pocket options

The DLR 7000 can be configured with up to 25 pockets incorporating strappers, cassette or loose-fill delivery options.

Cassetting options

The feeder and pockets can be configured for use with a variety of cassettes for security and easy transportation.

On-line destruction

The DLR 7000 can be fitted with an on-line shredder. A security hold pocket, safety covers, dual key interlocks and independent note counter ensure the security of note destruction. Banknote shreds may be delivered to granulation and briquetting systems for a fully automated solution.

Packaging options

A range of systems are available to deliver securely wrapped bundles of 500 or 1000 banknotes for single or multi-category applications in a fully automatic operation free from human intervention.

Sequenced Illumination (Sequil™)

Equipped with Sequil™ colour imaging technology, the DLR 7000 scans the full width of the banknote in full colour, enabling accurate, repeatable and sophisticated sorting decisions on a wide range of features.

PRODUCT SPECIFICATION

Processing capability

Four model speeds available: (Maximum throughput figures)
Up to 72000 notes per hour (1200 notes per minute)
Up to 90000 notes per hour (1500 notes per minute)
Up to 108000 notes per hour (1800 notes per minute)
Up to 120000 notes per hour (2000 notes per minute)

Feeder

Standard feeder up to 4000 notes
Vacuum design
Continuous feeding
Optional extended feeder up to 6000 notes
Optional cassette feeding

Operating modes

Single denomination (with and without shredding)
Mixed denomination (with and without shredding)
Automated Commercial Deposit Processing (ACDP) and Quick Deposit Processing (QDP™) with Enterprise Cash Management (ECM™) software
Multiple user defined sort modes

Note destruction

Type On-line cross-cut shredder (optional)
Shred size 1mm x 10mm nominal
Security Dual key interlock, independent shred counter

Note output

Stacker/loose note pockets Up to 24 plus rejects
Strapper/bander pockets Up to 20
Strap capacity 50-125 banknotes
Strap printing Automatic printing of text
Reject pocket One standard, up to 2000 notes capacity
Configurable reject pockets to separate suspects from mechanical rejects

Note destruction

Note size range On-line shredder (optional)
Width: 57-100mm (2.24-3.93")
Length: 100-185mm (2.24-7.28")

Material

Paper and polymer substrate including mixed mode

Note packaging

Strap bundler, overwrapper (optional)

DETECTORS

Imaging detection system

High-resolution reflective and transmissive cameras
Sequil™ colour imaging
Mechanical fitness
Soil, graffiti, stains
Serial number reading

Authenticity detectors

Magnetics, infrared, fluorescence, phosphorescence, conductivity

Special detectors

Bank-supplied detectors

User interface display Security

Full colour GUI
Multi-level user level role set-up
Optional Smart Card
Optional biometric access control
Ethernet, XML data protocol
Multiple, selected from user profile

Connectivity Language

Operating conditions

Power 3-phase, 208V, 5 wire, 50/60Hz
Operating temperature 21-23°C (70-74°F)
Humidity 50-60% RH non-condensing
Power rating 9 kW
Approvals CE

Dimensions

(Sample configuration based on DLR 7000 5/2)
Length: 3810 mm (150")
Height: 1610 mm (64")
Depth: 910mm (36")
Weight: 1497kg, 3294 lbs