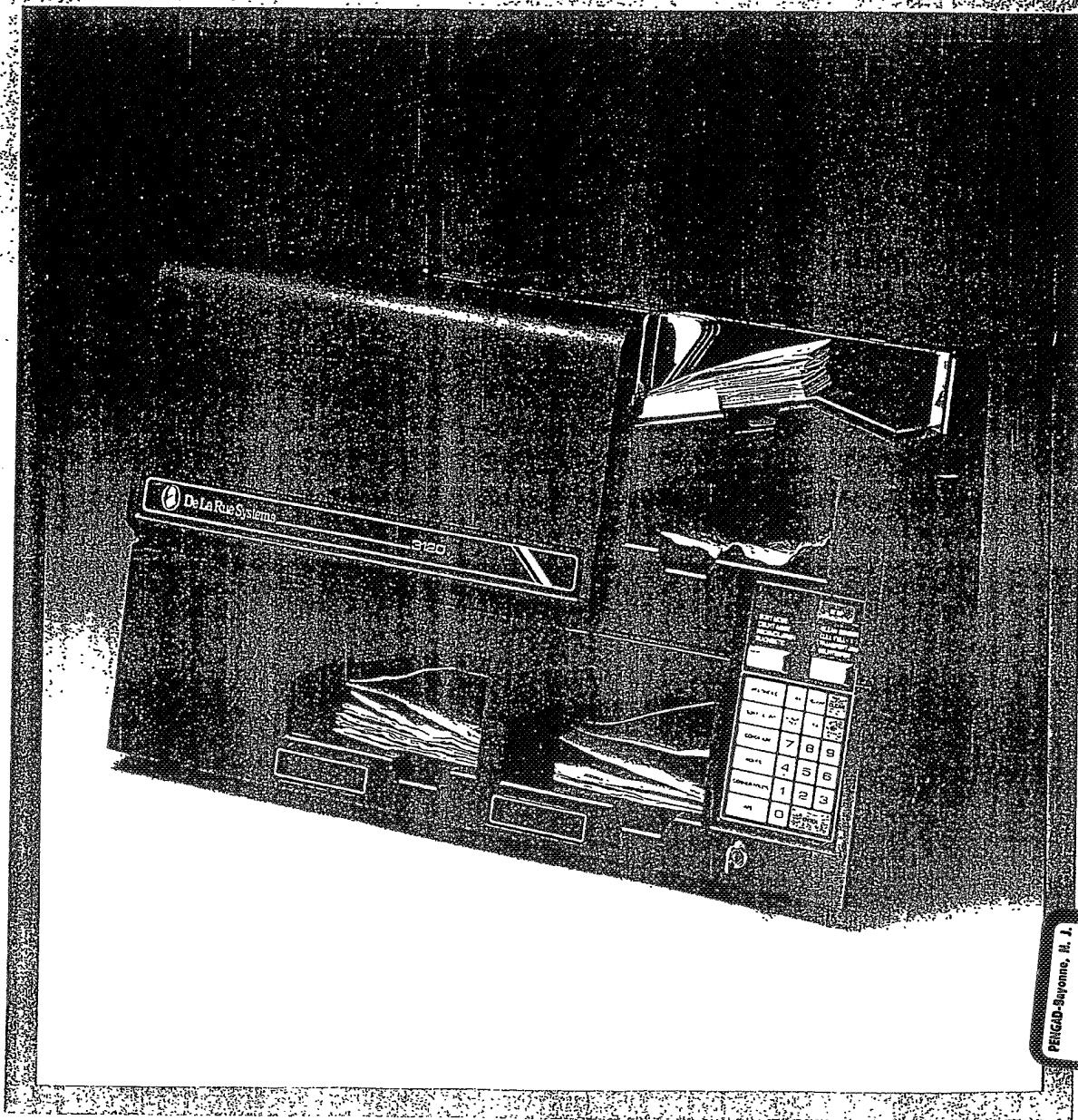


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 De La Rue Systems
3120
Currency Sorting
Machines with
Pattern Recognition



PELLICCI-D'AYOONNE, II. I.
**DEPOSITION
EXHIBIT**
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Currency Sorting Machines

The De La Rue Systems 3120 is a compact currency fitness sorter which will improve the efficiency and reduce the cost of currency sorting operations in cash processing centres of banks and security companies. Based on the success of the established 3100 series worldwide, the 3120 incorporates a high level of software sophistication and pattern recognition for individual banknote validation. The 3120 offers the option to be fitted with high level authenticity detectors to identify counterfeits.

WIDESPREAD APPLICATIONS

- Outsort of rogue denominations.
- Issue sorting for disposal/withdrawal.
- Bank of origin sorting for repatriation.
- Facing sorting.
- Orientation sorting.
- Authenticity outsort of counterfeits.
- Condition sort for high quality currency for ATM's.
- Condition sort for good quality currency for teller re-issue.
- Condition sort for poor quality currency for disposal.
- Reconciling/Counting of incoming batches.

SPEED AND EFFICIENCY

The 3120 will count and sort banknotes consistently and accurately in a single operation at a speed of up to 16,000 notes per hour.

VALIDATION AND COUNTERFEIT DETECTION

The 3120 pattern recognition system is capable of sorting by denomination, by issue, (even if notes are the same size) as well as by facing and orientation where patterns differ. In addition, the 3120 can be fitted with a wide range of authenticity detectors. Later detector additions can be made to meet changing sorting requirements.

EASY OPERATION

The 3120 is a single operator desk-top machine, which can be set up in a matter of seconds using the keypad and simple touch controls. A supervisor key enables the secure selection of fitness levels. A back-up memory allows retention of fitness levels, totals and other data even whilst power is switched off for extended periods.

VERSATILITY

A wide range of note sizes and conditions are successfully handled by the 3120. The machine has a number of processes and modes of operation:

Processes: (which operate independently of each other).

- Denomination Sorting: Sorting notes by denomination (even if notes are the same size).
- Issue Sorting: Sorting notes by issue (old and new).
- Bank of Origin Sorting: Sorting notes by Bank of Origin (including foreign notes).
- Facing Sorting: Sorting notes by facing.
- Orientation Sorting: Sorting notes by orientation.

Modes of Operation:

Fitness Sorting: 10 independent levels of sort

criteria for size of holes and tears, corner folds, tape, missing corners, as well as physical condition (limpness).

Reconciling: While sorting to pre-selected criteria, the 3120 can also reconcile incoming batches to ensure batch integrity.

Counting: Normally counting as it sorts, the 3120 can also operate as a counter only, with two output pockets maximising throughput.

HIGH THROUGHPUT AND ACCURACY

To assist high throughput and accuracy, the 3120 features:

Auto Restart:

Operates upon removal of completed batch from an output pocket and when currency is added to an empty input hopper.

Cull Pocket:

Collects doubles; rogue notes (including by denomination) and, if required, suspect counterfeit notes (for added security, these will cause the machine to stop).

Self Diagnostic Check:

On 'power-up' a self checking routine alerts the operator should cleaning of sensors or other minor adjustments be necessary. In the unlikely event of a stoppage during sorting, a clearance cycle will be automatically initiated without operator intervention.

SERVICE AND SUPPORT

The 3120 is economical both to run and maintain. Like all De La Rue products, the 3120 is backed by a well-established worldwide organisation offering levels of service and after sales support that are second to none.

TECHNICAL DETAILS

Description:

Single operator, desk top machine. Two output pockets and one cull/reject pocket

Dimensions: 700 x 450 x 330mm (Length, Height, Depth).

Weight: 33kg

Transport: Short edge feed, single belt over cantilevered pulleys.

Feed Rate: 7 notes per second.

Batching Capability: 10 to 150 (two output pockets).

Throughput: 12,000-16,000 notes per hour achievable.

Note Size Range:

Standard: 165mm x 85mm, 120mm x 65mm

Optional: 156mm x 72mm, 110mm x 42mm

Optional: 165mm x 92mm, 120mm x 65mm

Standard Detectors Included:

Validation: Pattern Recognition.

Physical Condition: Limpness.

Thickness and Mechanical Damage:

Tape, Cornerfolds, Multiples, Holes, Tears, Missing

Corners.

Detector Options: Length, Counterfeit (various types dependent on note features).

RS232 Serial Interface: Optional for printer output.

Power Requirement:

110V-120V 50/60Hz, 220V-240V 50/60Hz.

Environmental:

Operating Temperature 5°C-30°C

Operating Humidity max 70% RH.



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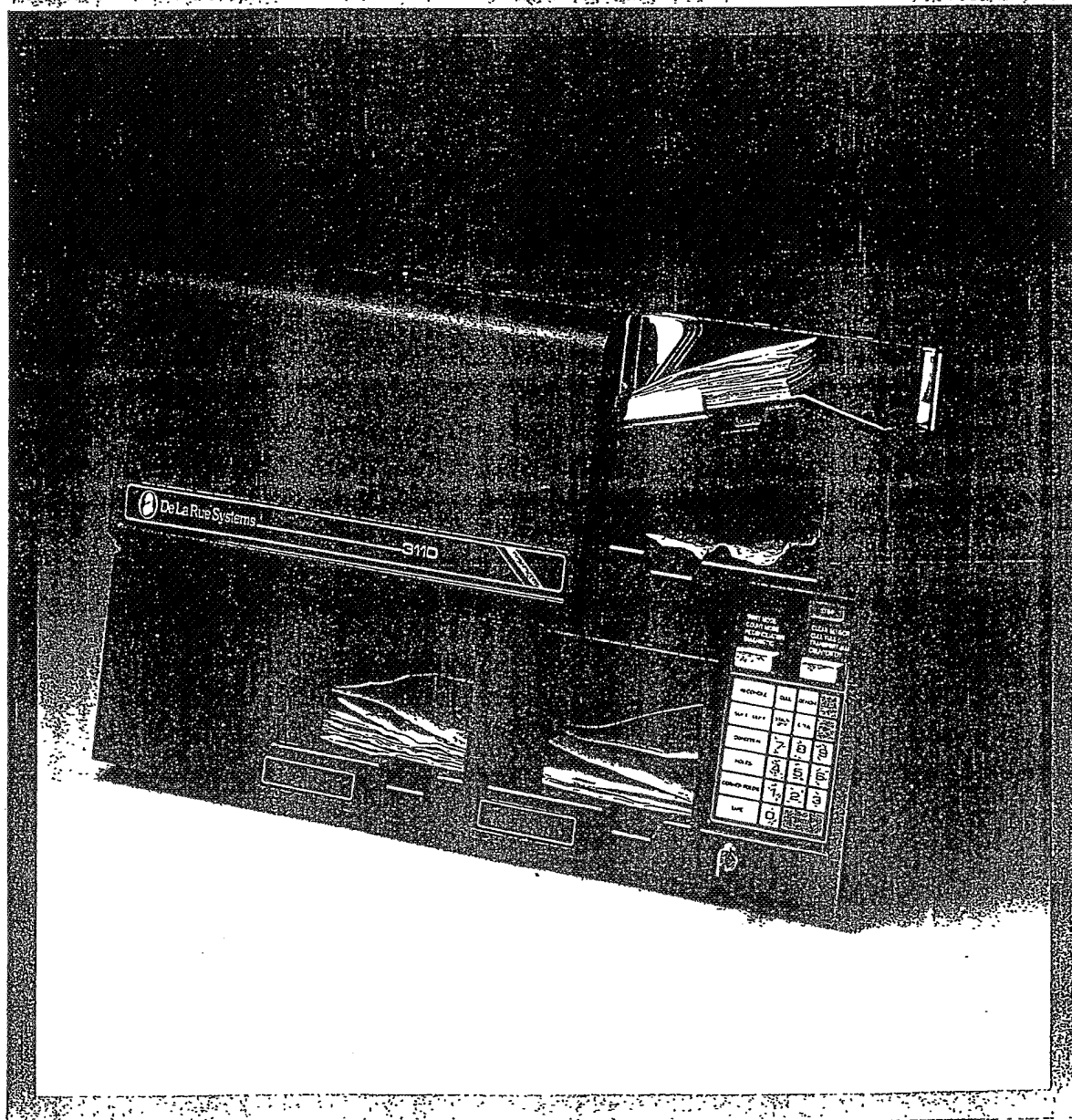
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De La Rue Systems

3110

Currency Sorting
Machines



GL093554

CG0056776

Currency Sorting Machines

The De La Rue Systems 3110 is a compact currency fitness sorter which will improve the efficiency and reduce the cost of currency sorting operations in cash processing centres of banks and security companies.

Based on the success of the established 3100 series worldwide, the latest version of the 3110 offers a number of improvements including the option to incorporate a higher level of authenticity detection to identify counterfeits.

WIDESPREAD APPLICATIONS

- Condition sort for high quality currency for ATM's.
- Condition sort for good quality currency for teller re-issue.
- Condition sort for poor quality currency for disposal.
- Authenticity outsort of counterfeits.
- Outsort of rogue denominations.
- Reconciling/Counting of incoming batches.

SPEED AND EFFICIENCY

The 3110 will count and sort banknotes consistently and accurately in a single operation at a speed of up to 16,000 notes per hour.

COUNTERFEIT DETECTION

The 3110 can be fitted with a wide range of authenticity detectors. Later detector additions can be made to meet changing sorting requirements.

EASY OPERATION

The 3110 is a single operator desk-top machine, which can be set up in a matter of seconds using the keypad and simple touch controls. A supervisor key enables the secure selection of fitness levels. A back-up memory allows retention of fitness levels, totals and other data even whilst power is switched off for extended periods.

VERSATILITY

A wide range of note sizes and conditions are successfully handled by the 3110. The machine has three modes of operation:

Fitness Sorting:

10 independent levels of sort criteria for size of holes and tears, cornerfolds, tape, missing corners, as well as physical condition (limpness).

Reconciling:

While sorting to pre-selected criteria, the 3110 can also reconcile incoming batches to ensure batch integrity.

Counting:

Normally counting as it sorts, the 3110 can also operate as a counter only, with two output pockets maximising throughput.

HIGH THROUGHPUT AND ACCURACY

To assist high throughput and accuracy, the 3110 features:

Auto Restart:

Operates upon removal of completed batch from an output pocket and when currency is added to an empty input hopper.

Cull Pocket:

Collects doubles; rogue notes (including by denomination) and, if required, suspect counterfeit notes (for added security, these will cause the machine to stop).

Self Diagnostic Check:

On 'power-up' a self checking routine alerts the operator should cleaning of sensors or other minor adjustments be necessary. In the unlikely event of a stoppage during sorting, a clearance cycle will be automatically initiated without operator intervention.

SERVICE AND SUPPORT

The 3110 is economical both to run and maintain. Like all De La Rue products, the 3110 is backed by a well-established worldwide organisation offering levels of service and after-sales support that are second to none.

TECHNICAL DETAILS

Description:

Single operator, desk top machine. Two output pockets and one cull/reject pocket.

Dimensions:

700 x 450 x 330mm (Length, Height, Depth).

Weight:

33kg

Transport: Short edge feed, single belt over cantilevered pulleys.

Feed Rate: 7 notes per second.

Batching Capability: 10 to 150 (per output pocket).

Throughput:

12,000-16,000 notes per hour achievable.

Note Size Range:

Standard: 165mm x 85mm, 120mm x 65mm

Optional: 156mm x 72mm, 110mm x 42mm

Optional: 165mm x 92mm, 120mm x 65mm

Standard Detectors Included:

Physical Condition: Limpness.

Thickness and Mechanical Damage:

Tape, Cornerfolds, Multiples, Holes, Tears, Missing Corners.

Detector Options: Length, Counterfeit (various types dependent on note features).

RS232 Serial Interface:

Optional for printer output.

Power Requirement:

110V-120V 50/60Hz, 220V-240V 50/60Hz.

Environmental:

Operating Temperature 5°C-30°C

Operating Humidity max 70% RH.



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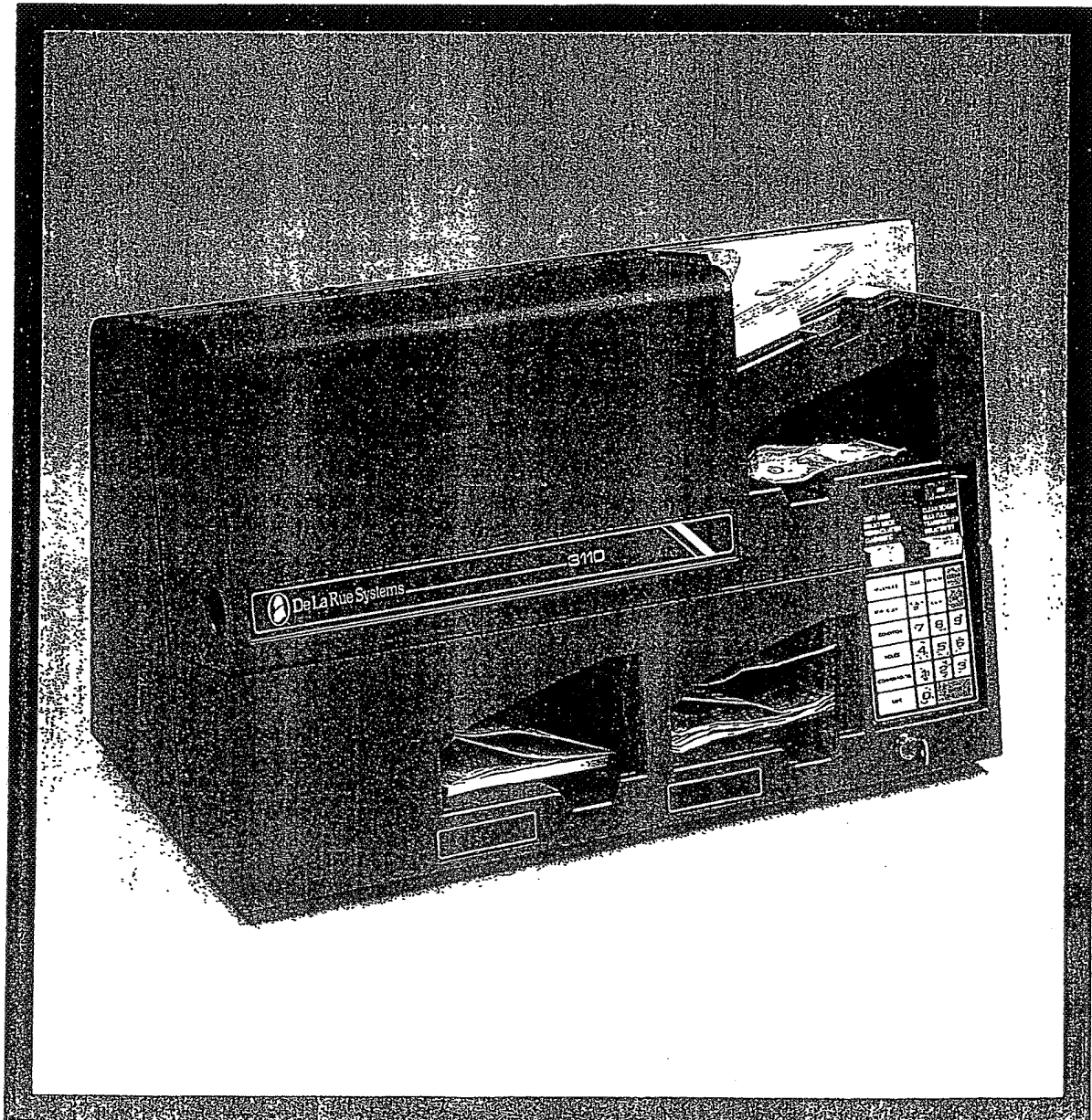


De La Rue Systems

US DOLLAR SORTER

(3110 MK II)

International Currency
Sorting Machine



GL093556

CG0056778

U.S. Dollar Sorter (3110 MK II)

International Currency Sorting Machines

The De La Rue Systems US Dollar Sorter is a compact currency fitness sorter capable of improving the overall cost efficiency of currency sorting in banks, exchange offices and other bulk cash processors such as cash-in-transit operations. Based on the worldwide success of the De La Rue Systems 3110 and 3120 sorting machines, this latest version is highly versatile offering both high level authentication and fitness sorting on US Dollars. In addition, rogue denomination outsort can be provided by the optional pattern recognition system. Although designed around US Dollar characteristics, the unit can be used for fitness sorting and basic authentication on a range of other currencies with suitable characteristics. Its use is therefore not limited to US Dollars or the USA, and it can be used anywhere that US Dollars are processed.

WIDESPREAD APPLICATIONS

- Authenticity outsort of suspected notes.
- Outsort of rogue denominations. (Option)
- Condition sort for high quality currency for ATM's.
- Condition sort for good quality currency for teller re-issue.
- Condition sort for poor quality currency for removal from circulation.
- Reconciling/counting of incoming batches.

SPEED AND EFFICIENCY

The US Dollar Sorter will count and sort banknotes consistently and accurately in a single operation achieving throughputs of up to 16,000 per hour.

VALIDATION AND COUNTERFEIT DETECTION

The US Dollar Sorter incorporates the latest in detector and software sophistication which enables a high level of authentication to be performed on each Dollar bill. Basic authentication facilities are provided for non-USA currencies. The optional pattern recognition system provides the facility to sort US Dollars by denomination. Other currencies can also be sorted by denomination subject to differences in note length.

EASY OPERATION

The machine is a single operator desk-top machine, which can be set up in a matter of seconds using the keypad and simple touch controls. A supervisor key enables the secure selection of fitness levels. A back-up memory allows retention of fitness levels, totals and other data even whilst power is switched off for extended periods.

VERSATILITY

A wide range of note sizes and conditions are successfully handled by the US Dollar Sorter. There are three basic modes of operation:

Fitness Sorting:

10 independent levels of sort-criteria for size of holes and tears, cornerfolds, tape and missing corners as well as physical condition (limpness).

Reconciling:

Whilst sorting to pre-selected criteria, the US Dollar Sorter can also reconcile incoming batches to measure batch integrity.

Counting:

Normally counting as it sorts, the US Dollar Sorter can also operate as a counter only, with two output pockets maximising throughput.

The Counterfeit Detection Aid facility can operate whilst the machine is in any of these modes.

HIGH THROUGHPUT AND ACCURACY

To assist high throughput and accuracy the machine features:

Auto Restart:

Operates upon removal of completed batch from an output pocket and when currency is added to an empty input hopper.

Cull Pocket:

Collects multiple notes, badly damaged notes, rogue notes and, if required, suspect notes (for added security both audio and visual alarms will be activated and the machine will stop).

Self-Diagnostic Check:

On 'power up' a self checking routine alerts the operator should cleaning of sensors or other minor adjustments be necessary. In the unlikely event of a stoppage during sorting, a clearance cycle will be automatically initiated without proper intervention.

SERVICE AND SUPPORT

The US Dollar Sorter is economical both to run and maintain. Like all De La Rue Systems products, it is backed by a well-established worldwide organisation offering levels of service and after sales support that are second to none.

TECHNICAL DETAILS

Description:

Single operator desk top machine. Two output pockets and one cull/reject pocket.

Dimensions:

700 x 450 x 330mm (length, height, depth).

Weight:

33kg

Transport:

Short edge feed, single belt over cantilevered pulleys.

Feed Rate:

7 notes per second (nominal).

Batching Capability:

10 to 150 (two output pockets).

Throughput:

12,000-16,000 notes per hour achievable.

Note Size Range:

From 165 x 85mm to 120 x 65mm (length and height).

Standard Detectors:

Physical Condition: Limpness thickness and mechanical damage (tape, cornerfolds, holes, tears, missing corners and multiple notes).

Counterfeit Detection: US Dollar authentication device.

Banknote paper verifier.

Detector Options:

Rogue Denomination: Pattern recognition, (US Dollar).

Optical length (other currencies).

RS232 Serial Interface:

Standard for Printer or PC communications.

Power Requirement:

110v-120v 50/60Hz, 220v-240v 50/60Hz (factory set).

Environmental:

Operational temperature 10-30 degrees C.

Operating humidity max. 70% RH.



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