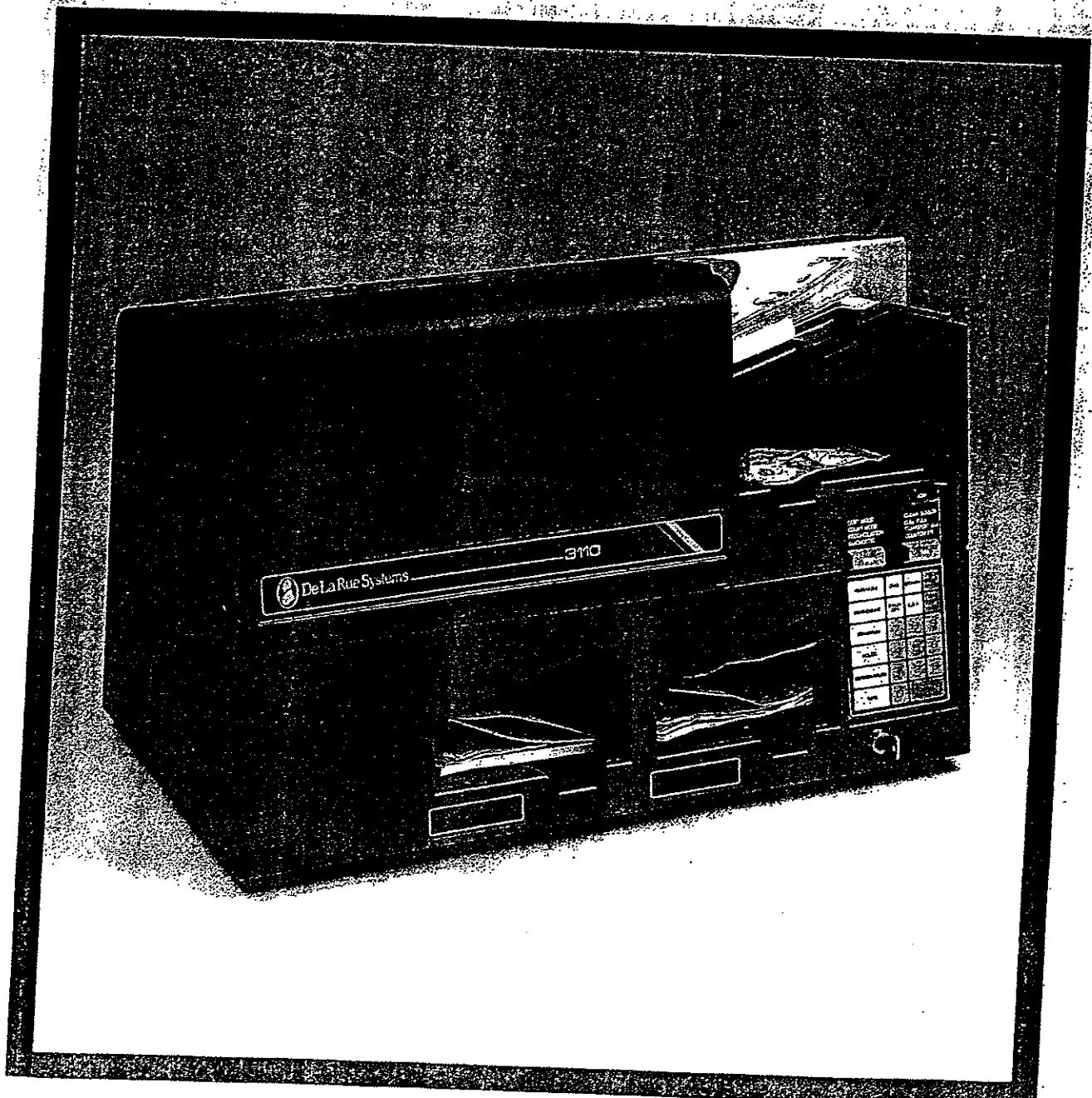




De La Rue Systems US DOLLAR SORTER

(3110 MK II)

International Currency
Sorting Machine



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 85mm (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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