

CUMMINS

JetScan™

Two-Pocket
Currency Scanners

MADE IN
USA



Shown with available options

Available with
Advanced Counterfeit
Detection

The Two-Pocket JetScan™

For Speed and Volume

Like all JetScans™, this unit can be used to count mixed currency, to sort mixed currency, to find “strangers” and more. With two pockets, this model allows two or more currency processing functions to be combined for maximum productivity.

For example, you can face and bundle \$1s in quantities of 100.

JetScan counts green-side bills into the top hopper and black-side bills are counted into the bottom hopper. When their total reaches 100, JetScan stops and tells you.

If a \$5 bill is detected while you are processing \$1s, JetScan stops exactly on the \$5 bill and tells you

where it is located. You remove it and continue processing.

Two pockets make it fast. The illuminated touch screen makes it easy to use. And, Cummins JetScan technology makes it accurate and reliable.

Custom Screens and Keyboards for each operation

Illuminated, touch screen technology greatly enhances operation. The screen changes for each function to show everything you need - no more and no less. The only keys shown are those that can be used. Screens are simple, information is presented in large easy to read formats, and there is no complicated keyboard.



Day Totals - Shown are the unit counts and the value counts of all currency that has been processed for the day.



Full Pocket Configuration

The JetScan features two full capacity pockets that can be configured to fit your operation. For example: rejected notes can be sent to either the top or bottom pocket, or both pockets can be used for processing.



Can Stop Precisely on Challenged Bills

JetScan can stop exactly on each challenged bill. This speeds handling of these problem bills. It also makes both pockets available for good currency.



Clear Paper Path with Easy Access

To minimize jams, all bills flow through a short, straight and smooth paper path. If a jam occurs, the entire path is easily accessed.

JetScan™ Two-Pocket Currency Scanners

**Far More Useful Than
Currency Counters**



Shown
with
available
options



Catches Strangers

While counting one denomination, JetScan stops when any other bill is processed. A \$20 is never counted as a \$1. This eliminates errors, speeds processing and frees operators to focus on other activities.

DENOM	UNIT	VALUE
\$1	97	\$ 97
\$5	11	\$ 55
\$10	3	\$ 30
\$20	8	\$ 160
\$100	3	\$ 300
SUB-BATCH 122		\$ 642
TOTAL		

Counts Mixed Bills

JetScan processes mixed currency without presorting. It provides the total count and value plus individual counts and values if desired. This printout is for a bundle of 122 mixed bills processed by JetScan without stopping. Information is displayed on the JetScan and via an optional printer.



Sorts Mixed Money

JetScan speeds money sorting. It tracks individual counts and values for every denomination. If desired, different strap stops can be set for each denomination. JetScan stops when each strap limit is reached.



Face/Orient Currency

JetScan can be used to "face" money so all bills have the same colored side up. It can also be used to "orient" bills so that all the pictures are right side up.

123456

Item Counting

For non-currency items, JetScan currency sensors are turned off.

Reads Bar Codes*

The JetScan 4091 simultaneously processes currency and tickets. Tickets are separated from the currency and sorted into a different pocket. All currency and ticket data can be uploaded into your slot accounting and ticket systems. Slot numbers and account information can also be automatically entered using control document cards.



*Only available on model 4091.

Choose your level of Counterfeit Detection

JetScan is available with a wide range of counterfeit detection capabilities, depending on your specific needs. Choose from basic counterfeit detection all the way up to the Model 4099, the answer to the increasing sophistication of counterfeits, such as supernotes.

Counterfeit Detection

Counterfeit Detection Sensors	4098	4091/4096	4199	4099
Scan Sensors	●	●	●	●
Magnetic		●	●	◆
Enhanced UV		●	●	◆
Fluorescence		●	●	●
Infrared				◆
IQ™ Sensing Technology				◆

Note: Chart only addresses counterfeit detection, ask your Cummins representative about additional features and models.

◆ The JetScan 4099 features IQ™ Sensing Technology; as well as infrared, advanced magnetic and advanced UV sensors.



Ongoing R&D Efforts

As the only U.S. owned manufacturer of currency processing equipment, Cummins has engineers and research scientists in Chicago, Philadelphia and San Diego. Sensor development in Cummins R&D facilities is conducted by highly skilled, multi-discipline personnel who are experienced with top-level projects for central banks worldwide.

With this broad experience and expertise, Cummins provides exclusive, state-of-the-art technology for improved currency processing.

JetScan Catches More Counterfeits

As the number and sophistication of counterfeit bills increases, the challenge to separate these false bills from the good requires increasing innovation and flexibility. Cummins has dedicated R&D teams that focus on providing the very best in counterfeit detection. This emphasis and expertise enables JetScan to catch more counterfeits.

The Industry's Most Intelligent Counterfeit Detection

With Cummins Exclusive IQ™ Sensing Technology, advanced analytic software combines with cutting edge sensors to catch counterfeit notes that other systems miss. IQ™ Sensing Technology is the best available today and it can be upgraded to enhance its ability to detect counterfeits as they evolve.



A Cummins Materials Science PhD works on sensors in a Class 100 clean room in San Diego



JetScan™

Two Pocket Currency Scanners

with **Fitness Detection**

Why Fitness Sort?

- To fill ATMs and other self-service machines with higher-quality currency in order to maximize uptime
- To provide customers with quality currency
- To reduce cash transportation costs
- To meet Federal Reserve fitness standards as part of the Recirculation Policy and avoid cross-shipping fees

Fitness Detection



What is a Fit versus an Unfit Note?

The Federal Reserve Bank (FRB) has created fitness specifications, using Fit for Commerce standards as their basis. Notes can be deemed unfit based on a number of criteria, including holes, tears, folded or missing corners, soil and ink wear. In general, unfit currency is a note that is not suitable for further circulation because of its poor physical condition. However, your own criteria for determining fit from unfit notes may differ.

Benefits of Cummins JetScan with Fitness Detection:

Single-pass processing for throughput efficiency

Authenticate and count mixed currency while fitness-sorting at the same time. The JetScan detects holes, tears, folded or missing corners and soil. Simultaneously strap fit and unfit bills, as fit bills are sent to one pocket and unfit bills are sent to another.

Customizable, multi-level fitness settings give you maximum control.

Fitness sensitivity settings for soil and for holes, tears and corners can be modified and adjusted to your preferences. This ensures against excessively-high rejects while still sorting out bills that are in poor condition as defined by you.

Easily adjust Fitness settings by denomination



Fit bills are sent to one pocket and unfit bills are sent to another

User-Selectable fitness levels

Provide flexibility and efficiency.

Five user-selectable settings make it easy to sort currency into different fitness levels from ATM High to Teller Low with the touch of a button. One machine can be used to fitness-sort for various uses.

Reports at the Touch of a Button!

Batch and Day Totals, including separate totals for Fit and Unfit currency, are readily available. This information can be viewed on-screen. With an optional printer, this information can be printed out.

JetScan™ Two-Pocket Currency Scanners

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Standard Features

Full Graphics & Text Touch Panel Display —

Illuminated display and controls are easy to see and use.

Adjustable Display Angle —

Assures optimal viewing angle.

Easily changed for each user.

Four Levels of Memory —

Keeps separate totals for:

Sub-Batches, Batches, Day Totals and Strap Limits.

All four are maintained during brownouts and power failures.

Unit/Value Display —

Can be shown as units or dollars.

Add Function —

For cumulative counting when desired.

Verification —

Allows currency to be counted or recounted without

changing day totals.

Communications —

Four ports are available for

connection to printers, computers, JetSort coin sorters

and other devices.

Two Full Capacity Pockets —

Two fully functioning pockets each

hold up to 150 circulated bills.

Exact Bill Stopping —

JetScan can be set up to stop precisely on a

challenged bill.

Adjustable Strap Stops —

Separate strap stop limits can be

established for each denomination.

Fitness Detection —

Provides five user-selectable levels of basic

fitness detection of holes, tears, folded or missing corners and soil.

(Standard on Model 4199)

Multiple Country Currencies —

Up to 10 country sets can be

programmed (Available on Model 4199)

Counterfeit Detection —

Standard features on certain models.

See your Cummins Representative.

Dual Denominating Sensors —

Provides high speed

denomination recognition of faced or unfaced bills.

Magnetic Ink Sensors —

Tests ink on bills and can be set to

different sensitivities for each denomination.

Fluorescence Sensors —

Test currency paper to detect many

suspect notes.

UV Sensors —

Working with JetScan

electronics, this system tests currency paper to catch many

counterfeits that other systems miss.

Infrared Sensors —

The latest technology in combating

counterfeits tests the printing quality of each bill.

A combination of these five standard and optional sensors

are available.

Specifications*

Speed: 1,000 bills per minute

Scanning Accuracy: 99.99%

Top Hopper Capacity: 700 circulated bills

Pockets 1 & 2: 150 circulated bills (each)

Display: Illuminated, touch panel display

Size: 15" high x 10.5" wide x 17" deep

Weight: 35 pounds

Document Size: Height: 2.41" to 3.8"

Length: 4.5" to 7"

Power: Voltage operating range is 105-130VAC or 198-253VAC.

Frequency is 50/60Hz. Customer must provide a single-phase,

dedicated power line that meets the machine's power rating(s). Use a

properly grounded circuit breaker in compliance with applicable local

electrical code. Full load amps (FLA): 1.5/1.0A. Power disruptions

and fluctuations causing input voltage other than that listed in power

requirements can lead to improper operation of this device, damage to

electrical components, and failure. Such occurrences are not covered

under machine warranty or preventative maintenance agreement for

this device. Power conditioning/stabilizing devices are available

for purchase from Cummins-Allison Corp.



Local Service & Warranty Support

Warranty and maintenance of Cummins products are handled **locally**. Cummins has factory employees in over 50 North American cities plus selected dealers in additional locations. This assures you of prompt, professional and **local** support.

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* Specifications provided above and throughout this document are approximate and subject to change without notice.