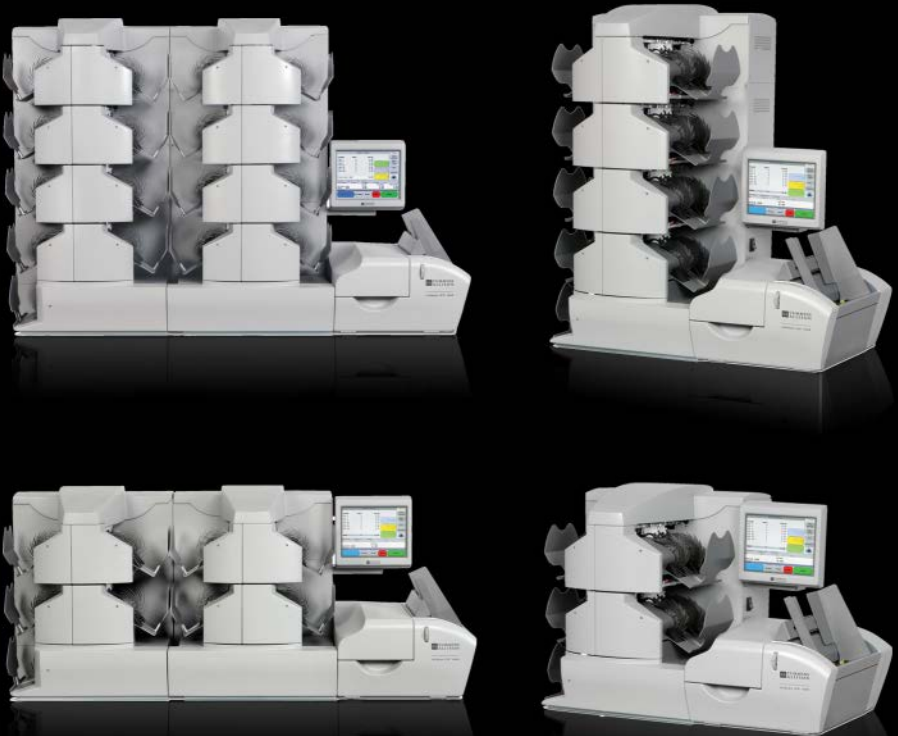


JetScan iFX[®] i400

Multi-Pocket Sorter

User Guide



Safety Information, Power Specifications

WARNING

High voltage inside. Double pole/neutral fusing.

Risk of electric shock.

Turn power **OFF** and unplug power cord from machine before cleaning.

Do not attempt repairs. Repairs must be made by authorized Cummins Allison personnel.

Use grounded plug and properly grounded outlet.

Read and understand all instructions before use.

WARNING

Risk of injury.

Turn power **OFF** and unplug power cord from machine before cleaning.

Do not defeat safety interlock switches.

NOTICE

Improper voltage levels can cause equipment malfunction, damage electrical components, and void warranty.

Provide separate circuit serving only this device and follow listed power requirements to ensure proper operation.

Provide power conditioning/stabilizing devices if necessary.

- **Voltage operating range:** 100-240 VAC, automatic switching
- **Frequency:** 50/60 Hz
- **Full load amps (FLA):** 6A/3A
- **Electrical supply circuit:** The customer must provide a single-phase, dedicated power line that meets the machine's power requirements. Use a properly grounded circuit breaker in compliance with applicable local electrical code.

Environmental Operating Conditions

- **Temperature:** 60°F - 85°F (15°C - 29°C)
- **Humidity:** 30% to 70% (non-condensing)

Compliance Acknowledgments

- **Laser:** This equipment may contain Class 2 laser products and complies with FDA Radiation Performance Standards, 21 CFR Subchapter 1 and the international laser safety standard IEC-60825.1-2001-08.
- **FCC:** This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- **Regulatory:** UL/CUL/CE

Table of Contents

- Safety Information, Power Specifications 2
- About This Guide 3
- Machine Diagram 4
- Getting Started 6
- How to Use the Supervisor Menu 13
- Stopping Conditions and Recovery Steps 21
- Daily Cleaning Procedures..... 27

About This Guide

JetScan iFX® i400 multi-pocket sorter processes:

- U.S. and international banknotes.
- Casino tickets.

The machine features:

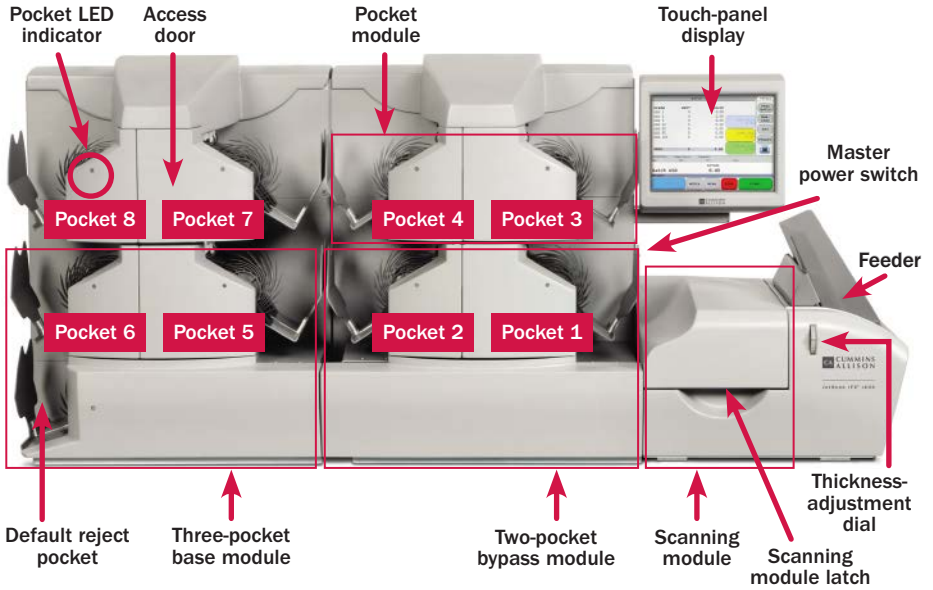
- A highly configurable platform. The number of pockets, as well as how the pocket modules are stacked, is customizable.
- Two versions of operating software:
 - One Touch, which only accommodates currency processing.
 - One Touch Plus, which is an advanced version that also includes:
 - Non-cash item entry for coins, checks and two customizable denominated items.
 - Six processing types that are customizable for specific applications.
- Three processing speed options: 600, 800 and 1,000 items per minute.
- Counterfeit detection options.
- A feeder with the capacity of 800 items.
- Six configurable sort modes plus stranger mode.
- Unlimited reject pockets.
- Additional options, such as fitness, bar-coded ticket processing and continuous-batch processing (CBP).

For more information, **contact a Cummins Allison representative.**



The **◆** symbol is used throughout the document to indicate features only included in One Touch Plus.

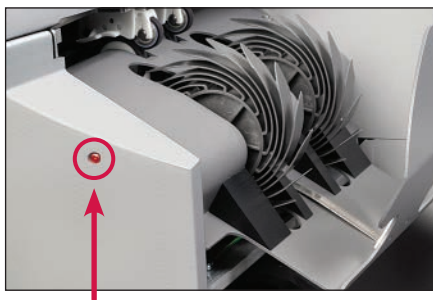
Machine Diagram



Pocket LED Indicators

LED indicators, which are located in front of each pocket, communicate important information about pockets.

Indicator statuses are described in the chart below.



Pocket LED

Pocket Condition	Indicator Status
Active pocket (Documents assigned)	No light
Inactive pocket (Documents not assigned)	Red
Clear pockets	Red flashing
Pocket limit	Green flashing
Priority pocket limit (Includes sorting and reject pockets)	Red and green flashing
Active reject pocket	Amber
Active reject pocket with documents	Amber flashing
Suspect document (SD) in reject pocket	Amber and red flashing
Reject pocket at limit with or without SD	Amber and green flashing

Getting Started

This section outlines basic features and functions of the JetScan FX® i400 multi-pocket sorter.

Powering On the System



WARNING

High voltage inside. Double pole/neutral fusing.

Risk of electric shock.

Turn power **OFF** and unplug power cord from machine before cleaning.

Do not attempt repairs. Repairs must be made by authorized Cummins Allison personnel.

Use grounded plug and properly grounded outlet.

Read and understand all instructions before use.



WARNING

Risk of injury.

Turn power **OFF** and unplug power cord from machine before cleaning.

Do not defeat safety interlock switches.



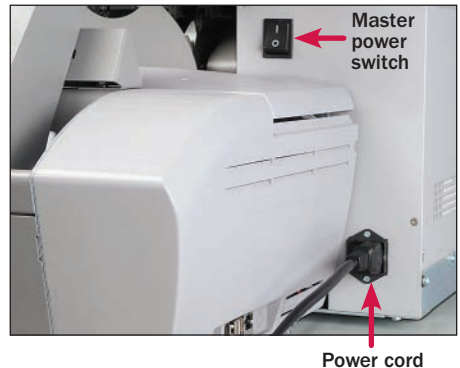
The feeder should be empty and free from documents or foreign objects prior to **POWERING ON** the equipment. Failure to follow this procedure could negatively impact machine function.

The **master power switch** turns the machine **ON** and **OFF**.

With the power cord firmly plugged into a grounded outlet, **POWER ON** the system by pressing the **master power switch** rocker panel to **I**.

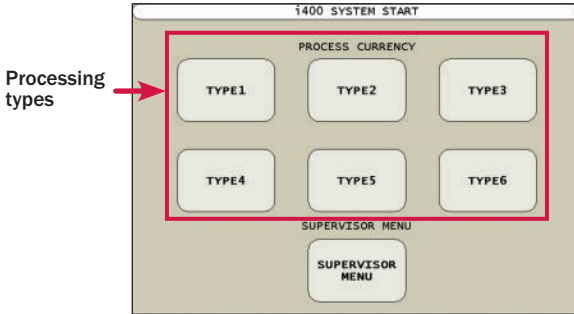
The system will perform a confidence-test routine. The SYSTEM START screen appears for machines equipped with the One Touch Plus operating software, and the main-processing screen appears for machines equipped with the One Touch operating software.

View from Right Side



System Start Screen, Signing Onto the System

After **POWERING ON** a machine with the One Touch Plus operating software, the SYSTEM START screen appears.



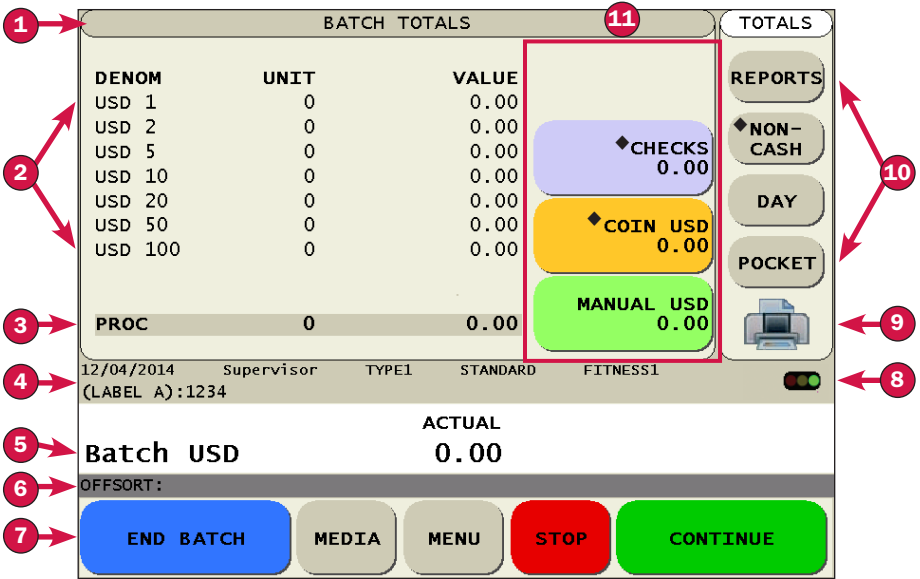
To sign onto the system and begin processing documents:

1. Select a processing type on the SYSTEM START screen. The SYSTEM SIGN-ON screen appears.
2. Enter the operator ID using the numeric keypad and press **ENTER**.
3. Enter the password using the numeric keypad and press **ENTER**. The password always displays as asterisks (****) in the password field.
4. Once a valid operator ID and password are entered, the main-processing screen appears.

To return to the SYSTEM START screen without signing on, press **CANCEL**.

Main-Processing Screen

Most transaction-processing functions are performed on the main-processing screen.




No.	Item
1	Active title bar
2	Processed totals
3	Grand total of processed notes
4	Status bar
5	Current sub-batch and batch totals
6	Offsort (reject) activity
7	Motor-control and function buttons
8	Serial communication port indicator
9	Printer icon
10	Totals/function menu
11	Processing-activity menu

Status Bar

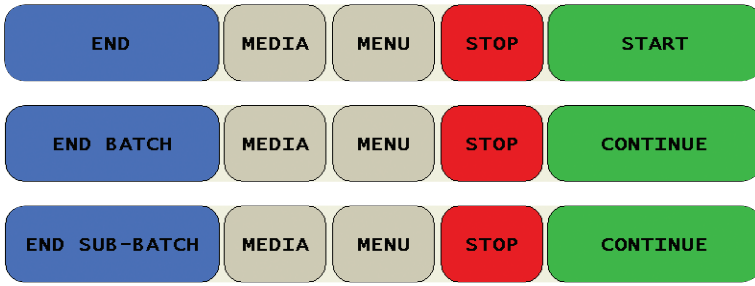
1
2
3
4
5
7

03/22/2011 Supervisor TYPE1 SORT3 ECB

6
 (Account#):1234 (Teller):7 (Bag#):4678

No.	Name	Description
1	Current system date	This is the system date.
2	Supervisor/ operator ID♦	This screen name is associated with the operator or supervisor currently signed onto the system.
3	Current processing type♦	This is the current processing type selected by the user.
4	Active operating sort mode	This is the current sort mode selected by the user.
5	Active fitness mode	This is the current fitness mode selected by the user.
6	Labels (Account and LABEL A, B, C, D) for current batch in process	Label titles are assigned in SETUP , and values are entered on the LABEL INFORMATION screen. When the 64-character limit for the title and value is exceeded, the label title returns to the default value (Account and LABEL A, B, C, D).
7	Serial communication port indicator	<p>Green indicates the machine is online serially with the host system.</p> <p>Yellow indicates the machine is disconnected from the host system.</p> <p>Red indicates the machine is offline serially with the host system.</p> <p>  If the serial communication port indicator remains yellow or red, call a Cummins Allison representative. </p>

Motor-Control and Function Buttons



CAUTION

Machine capable of automatic start and continuous operation.

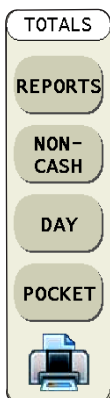
Feed rollers in feeder rotate inward. Entanglement and drawing-in hazard.

Do not operate with exposed long hair, neckties, jewelry or loose clothing.

Button	Description
START (AUTO START ON/ OFF)	<p>When AUTO START is ON in SETUP: Place documents in the feeder to engage the feed and transport motors. Documents begin to feed automatically and are processed through the transport path. Additional documents may be added to the feeder as needed.</p> <p>When AUTO START is OFF in SETUP: Press START to engage the feed and transport motors. Documents loaded in the feeder begin to feed automatically and are processed through the transport path. Additional documents may be added to the feeder as needed.</p>
CONTINUE	When START is pressed, it changes to CONTINUE . It may be necessary to press CONTINUE after clearing an error or placing additional documents in the feeder to resume processing.
STOP	Press STOP at any time to halt operation of the machine. Motors will briefly continue running to “flush” documents from the transport path and will then stop.
MENU	Press MENU to access additional processing functions and features. The list of features and functions that appear is dependent on whether a supervisor or operator is signed onto the system.

Button	Description
MEDIA	Press MEDIA to enter label information for the current sub-batch/batch. Label information is activated and defined in SETUP .
END BATCH	Press END BATCH to end the current batch. Batch totals are transferred to the day total register and are reset for the next transaction.
END SUB-BATCH	Press END SUB-BATCH to end the current sub-batch. Sub-batch totals are transferred to the current batch total register and are reset for the next transaction. The sub-batch function is activated in SETUP .

Viewing Totals



Button	Description
REPORTS	<p>Press to display the TOTALS REPORTS screen. Then press:</p> <ul style="list-style-type: none"> • DAY to display grand totals of all currency processed since the last system clear. • BATCH to display totals for the current batch. • PREVIOUS BATCH to display totals for the previous batch. • ACCOUNT / OPERATOR ID to display totals by account or operator ID (if enabled in SETUP).
NON-CASH ◆	Press to display the grand total of all non-cash items.
DAY	Press to display cumulative totals for the currency currently being processed.
POCKET	Press to display total documents in the pockets.
Printer Icon	Press to print batch totals – including non-cash, coin and manual-entry totals – with label and declared-balance information.

Configuring Pocket Limits

Pocket limits can be configured for all sorting pockets. Each sorting pocket can be assigned:

- A value between 10 and 250 documents.
- The same or different values.

To configure pocket limits:

1. From the POCKET TOTALS screen, press **POCKET LIMITS** to prompt the screen at right.

POCKET 1 is automatically highlighted and ready for the first entry each time the POCKET LIMITS screen appears.

2. Enter the number of documents for POCKET 1 using the numeric keypad and press **ENTER**. The number is displayed in that pocket's LIMIT field and the next pocket is highlighted.
3. Enter the number of documents for each subsequent pocket and press **ENTER**. To skip a pocket and advance to the next, press **ENTER** again or **▼**. To return to a previous pocket, press **▲**. To correct an entry, select the pocket, re-enter the correct information, and press **ENTER**. To populate all pocket limits with the same value, enter the value for one pocket and press **ALL**.
4. When configuration is complete, press **OK** to return to the POCKET TOTALS screen.

The screenshot shows the 'POCKET LIMITS - STANDARD' screen. It features a table with the following data:

POCKET	DENOM	UNIT	LIMIT
1	USD MIX	0	100
2	OFFSORT	0	100
3		0	100
4		0	100
5		0	100

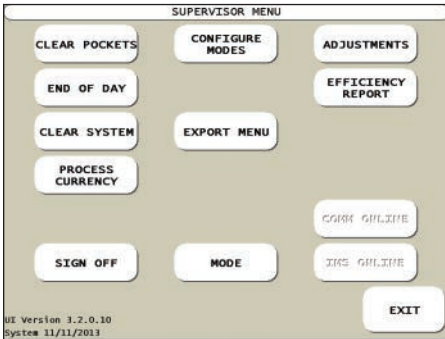
Below the table is a numeric keypad with buttons for digits 0-9, a decimal point, a 'CE' button, and an 'ENTER' button. At the bottom of the screen are five large buttons: an up arrow, a down arrow, 'ALL', 'CANCEL', and 'OK'.

How to Use the Supervisor Menu

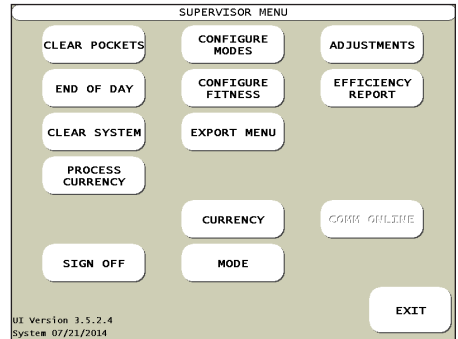
Enabled system options impact which buttons appear on the SUPERVISOR MENU. One of the menus below appear when:


- **MENU** is pressed on the main-processing screen and a supervisor-level user signs onto the system.
- **SUPERVISOR MENU** is pressed on the SYSTEM START screen and a valid supervisor password is entered.
- **SUPERVISOR MENU** is pressed on the OPERATOR MENU. The OPERATOR MENU only applies to the One Touch Plus operating software.



Bar-coded ticket processing option enabled





Fitness option enabled



Supervisor Menu	Description
<p>EXIT</p>	<p>Press EXIT to return to the main-processing screen.</p>
<p>CLEAR POCKETS</p>	<p>Press CLEAR POCKETS to prompt the ABOUT TO CLEAR POCKETS, CONTINUE? dialog box which is used to manually clear all pockets during the processing cycle.</p> <p>To clear all pockets:</p> <p> Pressing NO cancels clearing procedures.</p> <p>Press YES. LED indicators flash red on pockets holding documents. As documents are removed from each pocket, the LED indicators stop flashing.</p> <p>All pockets with documents must be cleared before beginning another sub-batch/batch.</p>

Supervisor Menu	Description
<p>END OF DAY</p>	<p>Press END OF DAY to prompt the END OF DAY screen below. When all processing for a day is complete, end-of-day procedures must be performed to properly close out the system.</p> <div data-bbox="409 269 862 607" data-label="Image"> </div> <p>To start end-of-day procedures and ensure system files are properly closed:</p> <p> Pressing CANCEL exits the END OF DAY screen <u>without</u> executing end-of-day procedures.</p> <ol style="list-style-type: none"> 1. At DUPLICATE DAY REPORT, press YES to generate a second day report in addition to the one that is generated when END is pressed. 2. At CLEAR SYSTEM, press YES to clear the system. All day and pocket totals are cleared. 3. Press END to begin the end-of-day procedures. The procedure is automatically performed. Once the procedure is complete, the SYSTEM START screen appears.
<p>CLEAR SYSTEM</p>	<p>Press CLEAR SYSTEM to prompt the ABOUT TO CLEAR THE SYSTEM, CONTINUE? dialog box from which all processed totals and pocket totals can be cleared from memory. This function can be performed at any time during the processing day.</p> <p>To clear the system:</p> <p> Pressing NO cancels clearing procedures.</p> <p>Press YES. All pockets with documents must be cleared. Clear pockets with flashing red LED indicators. Once empty, LEDs stop flashing.</p>

Supervisor Menu	Description
PROCESS CURRENCY	Press PROCESS CURRENCY for totals by denomination, which includes notes currently in pockets, as well as notes that have been removed from pockets for the sub-batch/batch. Press the PRINTER ICON to generate a report with label information, the date and time, as well as the audit number.
SIGN OFF ◆	<p>Press SIGN OFF to sign a supervisor or operator off the system, exit the processing type, and return to the SYSTEM START screen. A supervisor or operator may sign off the system at any time during a sub-batch/batch or after completing a sub-batch/batch.</p> <p>At the SYSTEM START screen, a new user may sign on or the previous user may sign on again. If a new user signs on to the system prior to ending the current sub-batch/batch, the new user assumes responsibility for the open sub-batch/batch totals.</p>
CONFIGURE MODES	Press CONFIGURE MODES to assign documents and rejected documents to pockets, as well as pocket limits. See Configure Modes at the end of this section for more information.
CONFIGURE FITNESS	Press CONFIGURE FITNESS to configure fitness modes. See Configure Fitness at the end of this section for more information.
EXPORT MENU ◆	<p> A Cummins Allison service representative must initially set up the file format and export location.</p> <p>Press EXPORT MENU to prompt the EXPORT MENU screen which is used to export a currency or ticket flat file to a host system.</p>
CURRENCY	<p> CURRENCY appears on the SUPERVISOR MENU when the system is configured to process currency other than USD.</p> <p>Press CURRENCY to prompt the SELECT NEW CURRENCY screen which is used to choose the preferred currency for processing. Only one currency type can be activated at a time.</p>

Press **MODE** to prompt one of the following screens. Users may select an operating sort mode and fitness mode for the current batch. Selections determine pocket assignments and fitness criteria. See [Configure Modes](#) and [Configure Fitness](#) at the end of this section for more information.

Fitness option enabled

MODE

To change the operating sort mode or fitness mode:



Sort and fitness modes cannot be changed during a batch. The batch must end **PRIOR** to changing a sort or fitness mode.

1. Press a **sort mode** or **fitness mode** button. The active button is yellow.
2. The CLEAR POCKET TOTALS screen appears.

Supervisor Menu	Description
<p>MODE (Continued)</p>	<p>3. Pockets must be cleared prior to changing sort or fitness modes. Press:</p> <ul style="list-style-type: none"> • YES to clear all pockets and return to the SUPERVISOR MENU. • NO to return to the SELECT OPERATING SORT MODE TO USE / SELECT FITNESS MODE TO USE screen without clearing pockets. Then press CANCEL to return to the SUPERVISOR MENU. <p>The active sort and fitness modes appear in the status bar on the main-processing screen.</p>
<p>ADJUSTMENTS</p>	<p>Press ADJUSTMENTS to configure settings such as date/time, suspect document (SD)/density and speed.</p>
<p>EFFICIENCY REPORT</p>	<p>Press EFFICIENCY REPORT to generate a report showing:</p> <ul style="list-style-type: none"> • A variety of basic machine efficiency calculations. Calculations are shown as percentages. • Piece counts for items such as total suspect documents, total rejects, document volumes by denomination and document volumes by pocket.
<p>COMM ONLINE</p>	<p>Press COMM ONLINE to connect or disconnect serial-port communications to a host device.</p> <p>To place the machine in the online status:</p> <ol style="list-style-type: none"> 1. Press COMM ONLINE to place the machine in the online status. The active button is yellow. 2. Press EXIT to return to the main-processing screen.

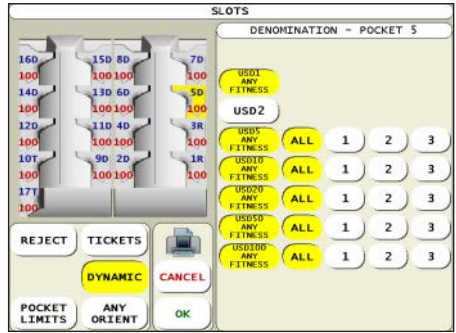
Configure Modes

Press **CONFIGURE MODES** from the SUPERVISOR MENU to prompt the CONFIGURE MODES MENU. Press a sort mode button to prompt a mode-configuration screen. An example is shown at right.

To assign denominations or bar-coded tickets to pockets for the operating mode:



If a denomination is not assigned to a sorting pocket, it is automatically directed to the reject pocket.



1. Press a **pocket on the diagram** to configure that pocket. The active pocket is yellow.
2. Do one of the following:
 - Assign one or multiple denominations to the pocket by pressing the desired **denomination buttons**. Denomination series may also be chosen by pressing **ALL** or one of the available series buttons.
 - Assign bar-coded tickets to the pocket by pressing **TICKETS**. The ticket type may be chosen by selecting **ALL TYPES** or one of the available ticket types that have been configured. Active buttons are yellow.
3. By default, items sort to all pockets regardless of facing or orientation. To sort items to a pocket faced or oriented in a certain way, press **ANY ORIENT**. Then choose an orientation from the selections that appear on the right side of the screen.
4. When the fitness option is enabled, repeatedly press the **denomination button** to select the desired fitness level for the pocket. This button toggles among the following selections: **ANY FITNESS**, **FIT** and **UNFIT**.
5. To dynamically sort notes based on denomination, series, fitness (option) and pocket availability, press **DYNAMIC**, followed by all denominations that could be sorted to that pocket.
6. Repeat steps 1 - 5 for each pocket.

To assign rejected documents to a reject pocket:



One or more sorting pockets can be designated as dedicated reject pockets. For example:

- Configure one reject pocket for **SUSPECTS** (suspect documents), which allows potential counterfeit notes to be isolated.
- Configure additional reject pockets for other types of rejected documents.

1. Press the desired **pocket**. The active pocket is yellow.
2. Press **REJECT** and select the desired documents to reject, such as **NO CALLS**, **SUSPECTS**, **FEED ERRORS** and **STRANGERS**. Selected buttons are yellow.

Documents are rejected to the reject pocket for a variety of reasons. For more information, see [Note and Document Errors](#).

When all pocket assignments are complete for all modes:

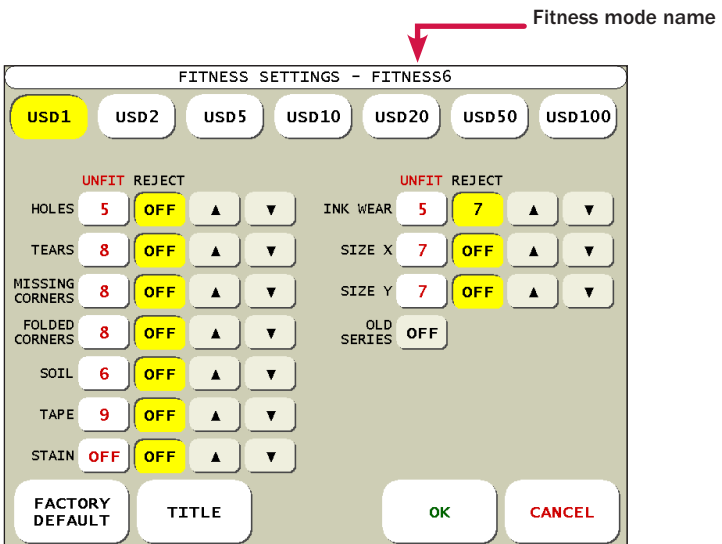
1. Press **OK** to save entries and return to the CONFIGURE MODES MENU.
2. Press **EXIT** to return to the SUPERVISOR MENU.

To create a custom title for a sort mode:

1. Press **TITLE**.
2. Use the keypad to enter a new sort mode title. Press **CE** to erase a current title and enter a new one. The title can be one line with a character limit of 12.
3. Press **ENTER** to save changes and return to the mode-configuration screen. The new title appears in the status bar on the main-processing screen and on the sort-mode button within the CONFIGURE MODES MENU.

Configure Fitness

Press **CONFIGURE FITNESS** from the SUPERVISOR MENU to prompt the FITNESS MODE screen. Select the desired fitness mode to prompt the screen below and configure fitness sorting settings by denomination.



To configure a fitness mode:

1. Select a denomination and note series (if more than one series is available) to configure by pressing the appropriate button which runs along the top of the screen. The active button is yellow.
2. Configure the fitness sorting level for HOLES, TEARS, MISSING CORNERS, FOLDED CORNERS, SOIL, TAPE, STAIN, INK WEAR, SIZE X and SIZE Y by pressing **UNFIT** for each criterion. Press the **up and down arrows** to select the desired fitness level or **OFF**. Selecting **OFF** disables the fitness criterion.



For guidance on selecting fitness levels, **contact a Cummins Allison representative.**

3. Configure the fitness reject level for HOLES, TEARS, MISSING CORNERS, FOLDED CORNERS, SOIL, TAPE, STAIN, INK WEAR, SIZE X and SIZE Y by pressing **REJECT** for each criterion. Press the **up and down arrows** to select the desired reject level or **OFF**. The reject level can be higher or lower than the UNFIT level. Selecting **OFF** disables the reject criterion.



For guidance on selecting fitness reject levels, **contact a Cummins Allison representative.**

4. Configure the OLD SERIES setting. Press **ON** to automatically sort the selected denomination and series as unfit, regardless of actual fitness condition. Press **OFF** to disable this feature and automatically sort the selected denomination and series based on configured fitness level settings.
5. Repeat steps 1 - 4 above until settings have been configured for all desired denominations and note series.

To change the fitness mode name:

1. Press **TITLE** at the bottom of the screen to prompt a keyboard.
2. Press **CE** to erase the existing name and type the new name.
3. When finished, do one of the following:
 - Press **ENTER** to save the new name and exit the keyboard.
 - Press **CANCEL** to cancel changes, keep the existing fitness mode name, and exit the keyboard.

To return the active fitness mode to original factory settings:

1. Press **FACTORY DEFAULT** at the bottom of the screen.



Original factory settings are intended to meet published local standards for fitness. Actual fitness standards may vary slightly from one location to another. Work closely with the appropriate authorities to ensure that fit and unfit notes are meeting their standards.

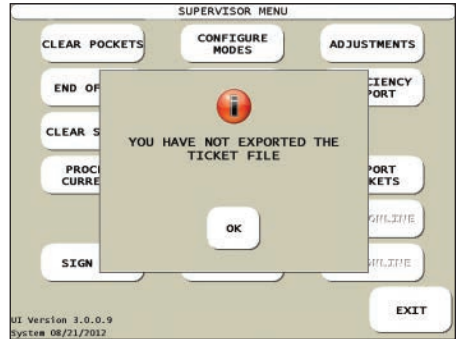
Stopping Conditions and Recovery Steps

The JetScan iFX i400 multi-pocket sorter will stop for a variety of reasons, all of which require action by the user. When an error screen appears, follow the instructions on the screen to recover from the error. This section includes error screens in which additional steps may be required.

Condition ▶ A ticket or day totals file was not exported prior to pressing **END OF DAY** or **CLEAR SYSTEM**.

Action ▶ Press **OK** to return to the SUPERVISOR MENU. Then press **EXPORT TICKETS** or **EXPORT DAY TOTALS**, whichever applies.

File Not Exported (Tickets or Day Totals)

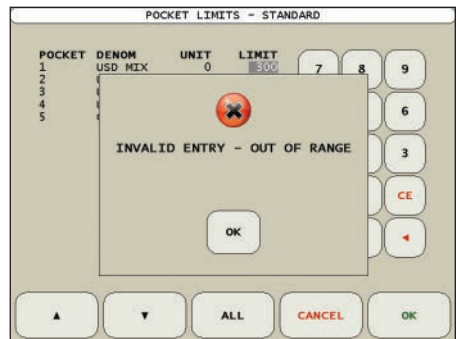


Condition ▶ An entered pocket-limit value was:

- Less than 10 or more than 250 on the POCKET LIMITS screen.
- Less than the current UNIT value on the POCKET LIMITS screen.

Action ▶ Press **OK** to return to the POCKET LIMITS screen and enter a new value.

Invalid Entry – Out of Range (Pocket Limit)



Jam Recovery

Condition ▶ When a jam condition occurs, the machine’s motors immediately stop and a JAM screen appears, describing the problem and how to recover from it.

Action ▶ Follow the steps below to recover from a jam condition:

NOTICE

Risk of damage to critical machine components.

Carefully remove jammed documents.

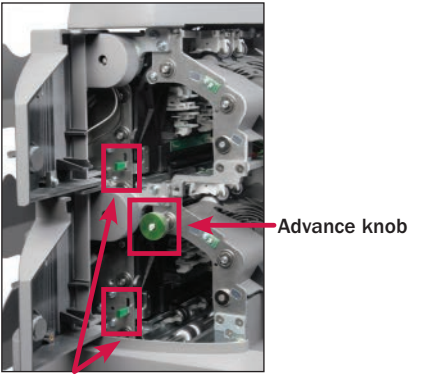
Visually inspect areas surrounding jammed documents prior to re-starting motors.

Remove any partial documents and foreign objects from transport path.

1 Use the JAM screen to locate the jam. A sample JAM screen is shown at right. A red asterisk (*) indicates a location that should be thoroughly examined for a jammed document or foreign object.



2 Remove the jammed document or foreign object. To reach the jam, it might require opening access doors on pocket modules, lifting the green lower-vertical transport-guide levers to open the transport path or moving transport rollers. Transport rollers can be moved forward or in reverse by turning the green advance knobs inside the unit, as shown at right.



3 Once the jammed document or foreign object is removed, secure the green lower-vertical transport-guide levers and close open access doors on pocket modules.

Lower-vertical transport-guide levers



Once **FLUSH** is pressed, the screen identifying the jam location disappears and it cannot be recalled.

4

Press **FLUSH** to ensure the transport path is clear. The screen at right appears. The motors momentarily run and then automatically stop, sending all remaining documents in the transport path to the pockets.

5

Pocket LED indicators flash red, indicating documents must be removed and reprocessed.

6

Return documents to the feeder.

7

Continue processing the transaction.



If there is no success in removing jammed documents or clearing a JAM screen, **contact a Cummins Allison representative.**



Note and Document Errors

Notes and documents are rejected to the reject pocket for a variety of reasons. The appropriate codes appear in the offsort (reject) activity bar on the main-processing screen. All errors are described below.

Classification	Code	Description
No Call	NC	A document that passed through the scanner cannot be identified. This document has not been counted. Return the document to the feeder for reprocessing.
Stranger	STR	A document that passed through the scanner was not assigned to a sorting pocket. This document has not been counted. This document must be entered manually.
Chain	CH	Two or more documents were overlapping during processing. These documents have not been counted. Return the documents to the feeder for reprocessing.
Double	DBL	Two or more documents were processed simultaneously (stacked on top of one another). These documents have not been counted. Return the documents to the feeder for reprocessing.
Spacing	SPC	One or more documents were processed without proper spacing. These documents have not been counted. Return the documents to the feeder for reprocessing.
Skew	SK	One or more documents were skewed during processing. These documents have not been counted. Return the documents to the feeder for reprocessing.
No Fitness	NF	A note passed through the scanner, and fitness determination cannot be made.

Condition ▶ A sensor is blocked, dirty or not functioning properly.

Action ▶ A yellow asterisk (*) indicates pocket sensors are dirty. A red asterisk (*) indicates pocket sensors are blocked or not functioning properly.

Carefully clean sensors. To continue, press **OK**.

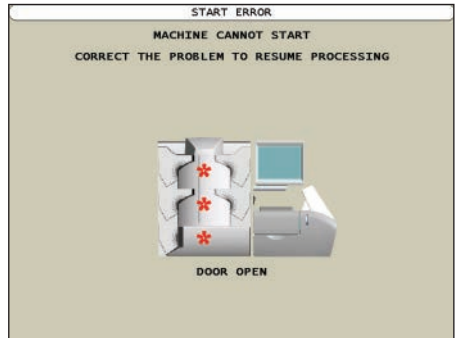
Sensor Error



Condition ▶ The machine cannot start because of a hardware problem.

Action ▶ A red asterisk (*) indicates a location that should be thoroughly examined. Ensure doors and latches are secure. If the error screen continues to appear, **call a Cummins Allison representative**.

Start Error



Suspect Documents

When a suspect document is identified, a code appears in the offsort (reject) activity bar on the main-processing screen. The suspect document is not counted.

Remove the suspect document from the reject pocket and examine it for authenticity. If the note is deemed genuine, return it to the feeder for reprocessing or enter it by pressing **MANUAL** on the main-processing screen. If the note is deemed counterfeit, place it aside, and it will not be part of the count.

Suspect document codes are described below.

Code	Possible Causes	Code	Possible Causes
S-1	<ul style="list-style-type: none"> • Incorrect note paper • Soiled note 	S-11*	<ul style="list-style-type: none"> • Incorrect-ink error • Worn note
S-2	<ul style="list-style-type: none"> • Incorrect note paper • Machine-washed note • Taped note 	S-12*	<ul style="list-style-type: none"> • Incorrect-ink error • Worn note
S-3	<ul style="list-style-type: none"> • Incorrect note paper • Soiled note 	S-14	Central Bank of the Russian Federation (CBRF): M-sensor
S-5	<ul style="list-style-type: none"> • Incorrect-ink error • Worn note 	S-15	CBRF: OCR serial-number error
S-8*	<ul style="list-style-type: none"> • Note failed advanced-counterfeit test • Worn note 	S-16	CBRF: F1-sensor
S-9*	<ul style="list-style-type: none"> • Note failed advanced-counterfeit test • Worn note 	S-17	CBRF: F2-sensor
S-10*	<ul style="list-style-type: none"> • Incorrect-ink error • Worn note 	S-18	CBRF: F3-sensor

*These error codes are most common among high-quality counterfeits or super notes. Notes producing these codes should be carefully examined.

Daily Cleaning Procedures

The following cleaning procedures for the JetScan iFX i400 multi-pocket sorter must be performed every day. In some instances, it may be advisable to perform these procedures more than once a day.

Recommended Cleaning Materials

CAUTION

Simple Green, the recommended cleaning agent, can be an eye irritant. Avoid eye contact.

If eye contact occurs, flush eye(s) with cool water for 5 minutes – remove contact lenses if present – continue flushing eye(s) with cool water for 15 more minutes. If irritation persists, consult physician.

Individuals with sensitive skin should rinse hands after using.

- **Simple Green Safety Towels.** (Part number: 022-2118-00.) A pre-moistened microfiber towel may also be used. If using Simple Green concentrate, dilute to: 1 ounce of Simple Green per 8 ounces of water. For material-safety-data sheets, see simplegreen.com.
- **Microfiber towels.** (Part number: 022-2223-00.)
- **Vacuum cleaner.** (In the United States: Order standard vacuum part number 022-1959-00 or heavy-duty vacuum part number 022-1308-00. Outside of the United States: Buy vacuum locally.)

Daily Cleaning

WARNING

High voltage inside. Double pole/neutral fusing.

Risk of electric shock.

Turn power **OFF** and unplug power cord from machine before cleaning.

WARNING

Risk of injury.

Turn power **OFF** and unplug power cord from machine before cleaning.

Do not defeat safety interlock switches.

NOTICE

To avoid machine/component damage and potential voiding of existing warranty, follow these procedures:

Only use specified tools for cleaning machine. Never use metal tools.

If using Simple Green concentrate, dilute to: 1 ounce of Simple Green per 8 ounces of water.

Never use cleaners containing ammonia.

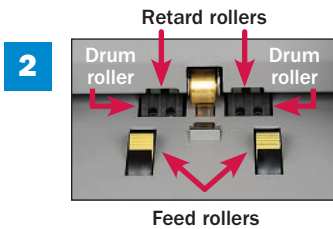
Never spray cleaners directly on machine components.

Turn OFF, Unplug Machine

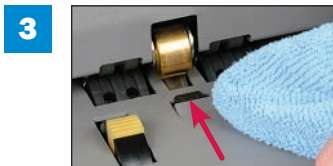
- 1 Follow normal procedures to exit the operating software. Turn the power **OFF** (rocker panel to **0**).
- 2 Disconnect the power cord from the machine.

Feeder Module

- 1 Vacuum the entire feeder, including the area surrounding the feed, drum and retard rollers.



Using Simple Green Safety Towels, clean the feed, drum and retard rollers.



Use a dry microfiber towel to clean the start sensor.

Scanning Module

- 1** Pull the release lever for the scanning module and raise the upper scanner transport plate to the service position.

- 2**



Imaging sensor

Use a dry microfiber towel to remove dirt buildup from urethane and rubber rollers on the upper and lower scanner transport plates.

Wipe the imaging sensors on the upper and lower scanner transport plates with a dry microfiber towel.

- 3**

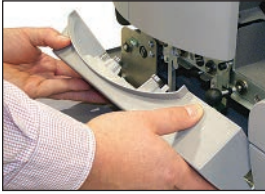
Vacuum the upper and lower scanner transport plates, as well as the feeder exit area.

- 4**

Pull the release lever for the scanning module and lower the upper scanner transport plate to the operating position.

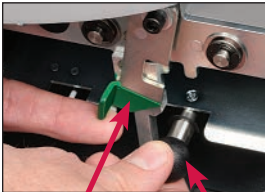
Transport Assembly

1



Open the lower transport access door.

2



Latch

Knob

Pull the green latch leftward to release the lower transport plate. Use the black knob to lower the plate to the service position.

3



Wipe the upper and lower transport plates, including rollers, with a dry microfiber towel.

4

Vacuum the upper and lower transport plates.

5

Use the black knob to raise the lower transport plate to the operating position. Return the green latch to the operating position.

6

Close the lower transport access door.

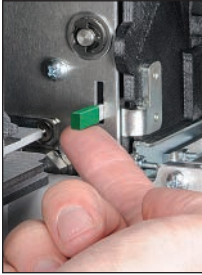
Pockets

1

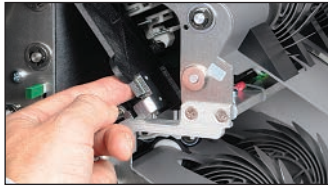


Open the access doors on all pocket modules.

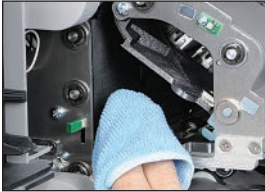
2



In all pockets, lift the green lower-vertical transport-guide lever and raise the right transport plate to the service position.



3



In all pockets, wipe the left (vertical) and right (raised) transport plates with a dry microfiber towel.

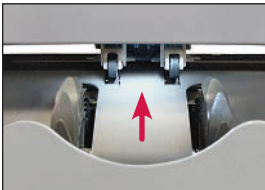
4

Return the right transport plate to the operating position. To lock the plate in the operating position, lower the plate and hold it in place while pressing down on the green lower-vertical transport-guide lever.

5

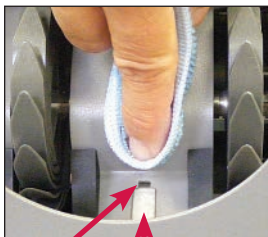
Close the access doors on all pocket modules.

6



In all pockets, vacuum the pocket-count-sensor area between the exit rollers.

7



Pocket sensor Pocket reflector

In all pockets, carefully wipe pocket sensors and reflectors with a dry microfiber towel.

Machine Exterior

NOTICE

Avoid damaging touch-panel display.

Only clean touch-panel display with dry microfiber towel as directed.

1 Clean the touch-panel display with a dry microfiber towel.

2 Using Simple Green Safety Towels, clean the remaining hard-plastic exterior surfaces as necessary.

Resuming Operation



Prior to POWERING ON the machine, make sure all transport plates are in the operating position and all access doors are closed, otherwise the machine will not function.

1 Carefully reconnect the power cord.

2 Turn the power **ON** (rocker panel to I).

3 Process a small number of documents to verify machine operation.

**Headquarters**

852 Feehanville Drive
Mt. Prospect, IL 60056 USA
800 786 5528
cumminsallison.com

Australia

P.O. Box 7051
Silverwater, NSW 2128
Australia
02 9648 6661
cumminsallison.com.au

Canada

3350 Ridgeway Drive, Unit 3
Mississauga, Ontario
L5L 5Z9
Canada
905 814 6184
cumminsallison.ca

France

Parc Des Nations-Paris Nord 2
385 Rue de la Belle Etoile
95974 Roissy, France
33 148 196 160
cumminsallison.fr

Germany

ITS Center Unit 29
Arnold Sommerfeld
Ring 2
D-52499 Baesweiler,
Germany
49 2401 805252
cumminsallison.de

United Kingdom

William H. Klotz House
Colonnade Point,
Central Boulevard
Prologis Park
Coventry, CV6 4BU
United Kingdom
44 2476 339 810
cumminsallison.co.uk

© 2018 Cummins-Allison Corp. All rights reserved.

All trademarks remain the property of their respective owners.

Information is subject to correction or change without prior notice.

This manual contains proprietary information of Cummins Allison. It is intended solely for the information and use of parties authorized by Cummins Allison to maintain the equipment described herein. Such proprietary information may not be used, reproduced, or disclosed to any other parties for any other purpose without express written permission of Cummins Allison.

022-7669-00 Rev. E