

# Bi-Sorter™ / Tri-Sorter™ Recycling Systems



Bi-Sorter equipment



Tri-Sorter equipment

The Bi-Sorter and Tri-Sorter are designed to address recycling programs and solid waste needs in multi-story buildings with the use of one vertical chute. The Bi-Sorter system allows trash (garbage) and recycling (cans/plastic/glass) to be collected in 2 cubic yard waste containers, or an optional Wilkinson trash compactor and industry standard 96-gallon toter, respectively. The Tri-Sorter is the same but allows for one additional recycling separation, depending on the needs of the building.

Both systems are comprised of a single trash chute with door panels that are interlocked, permitting only one door and one stream to be functional at a time. The Bi-Sorter/Tri-Sorter equipment and compactor/bins are located in the basement at the bottom of the chute. A tenant-activated, membrane keypad switch on a control panel incorporated above each chute intake door shall initiate the appropriate container selection. As the correct container is accessed by the chute, the chute intake door is signaled available to the tenant who then disposes of the material. Remaining chute intake doors on other floors shall be disabled during the operation.

Wilkinson Hi-Rise pioneered the development and use of Bi-Sorter and Tri-Sorter recycling systems and have installed over 1,000 systems during the last 10 years.

**Available through the Wilkinson Hi-Rise global network of distributors and technical support.**

## Key features

- Enables recycling and trash disposal with only one chute
- Eliminates need for building management to pick up recycling on each floor
- Bi-Sorter used for trash plus single stream recycling
- Tri-Sorter used for trash plus two other recycling streams
- Clean, safe, efficient



**WILKINSON HI-RISE**  
CHUTE MANUFACTURERS SINCE 1923

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# Bi-Sorter™ / Tri-Sorter™ Recycling Systems



Floor control keypad (Bi-Sorter)



Master control panel (Tri-Sorter)



Bi-Sorter with recycling container

The floor control membrane keypad at each floor enables the user to select the material for disposal and transmit 'in Use' signals which disable all other floor control. In addition, it activates a diverter baffle in the Bi-Sorter/Tri-Sorter to deflect the material into the appropriate container corresponding to the materials selection push button on the keypad.

A Master Control Panel in the basement controls, monitors and programs the system. The self-diagnostic system detects component failure, then transmits notification to maintenance personnel. As an option the system can also detect when waste containers are full, transmitting notification to maintenance personnel, as well as a signal to the floor control panels 'Pick up in Progress' and disable all floor control.

## Specifications

### Intake Doors:

Model ICD-2000  
 Stainless Steel 15" wide x 18", bottom hinged, typical  
 Hand operated, self closing, positive latching  
 1.5 hour UL B-label fire rating

### Bi-Sorter/Tri-Sorter:

¼" welded steel plate construction  
 ¼" steel diverter blade  
 High torque 110VAC motor driven actuator

\* Also available with pneumatic assist ADA doors

### Master Control Panel:

Housed in NEMA 13 enclosure  
 Power on and emergency stop switches  
 Control and monitor all mechanical and electrical functions  
 110VAC supply power  
 24VDC output to chute intake doors  
 Manual safety switch to disable all chute doors for service  
 Can control an optional washdown system

	Width	Depth	Height
24" Bi-Sorter	60 ¾"	38"	24 ⅝"
30" Bi-Sorter	76 ½"	47 ⅜"	30 ⅝"
24" Tri-Sorter End Feed	89"	52 ½"	30 ¼"
30" Tri-Sorter End Feed	110"	55 ⅝"	35 ½"

\* Tri-Sorter also available in center feed and corner feed



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