Bi-Sorter[™] / Tri-Sorter[™] Recycling Systems



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.

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

LKINSON HI-RISE CHUTE MANUFACTURERS SINCE 1923

Key features

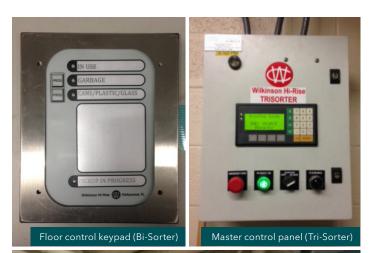
- Enables recycling and trash disposal with only one chute
- Eliminates need for building management to pick up recycling on each floor
- Bi-Sorter used for trash plus single stream recycling
- Tri-Sorter used for trash plus two other recycling streams

whrise.com

• Clean, safe, efficient



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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

* 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 5⁄8″
30" Bi-Sorter	76 ½″	47 ¾″	30 5⁄8″
24″ Tri-Sorter End Feed	89″	52 ½"	30 ¼"
30″ Tri-Sorter End Feed	110″	55 ⁵ ⁄8″	35 ½"

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



1⁄4" welded steel plate construction

Bi-Sorter/Tri-Sorter:

¹⁄₄″ steel diverter blade

High torque 110VAC motor driven actuator