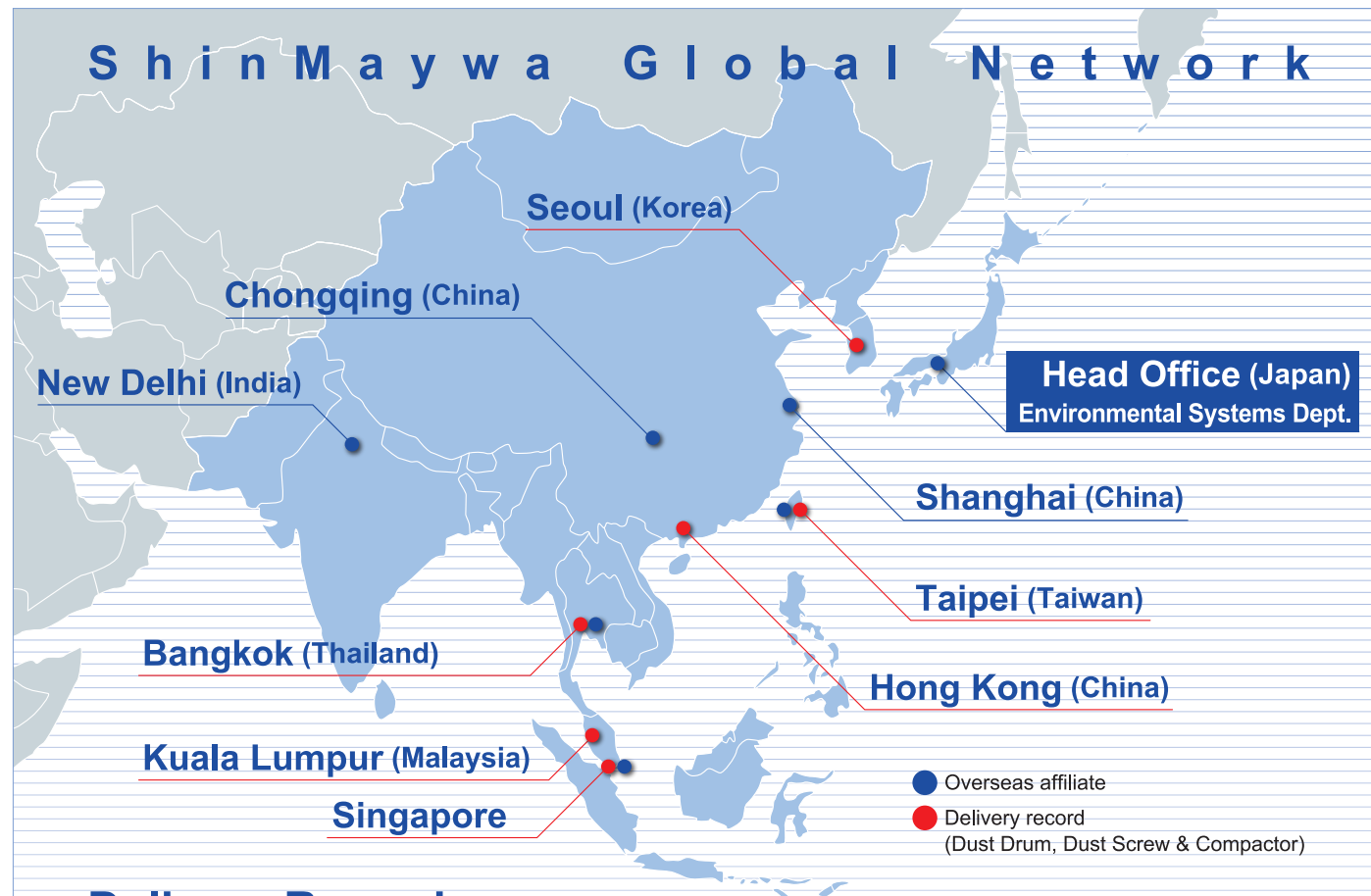


## Refuse Storage and Handling Equipment

DUST DRUM • DUST SCREW



### Delivery Record



Kuala Lumpur (Dust Screw)



Bangkok (Dust Drum)



Singapore (Dust Screw)



Kuala Lumpur (Dust Screw)



Bangkok (Dust Drum)



Hong Kong (Stationary compactor)

Note: Specifications and dimensions in this catalog are subject to change without notice.

Printed on recycled paper

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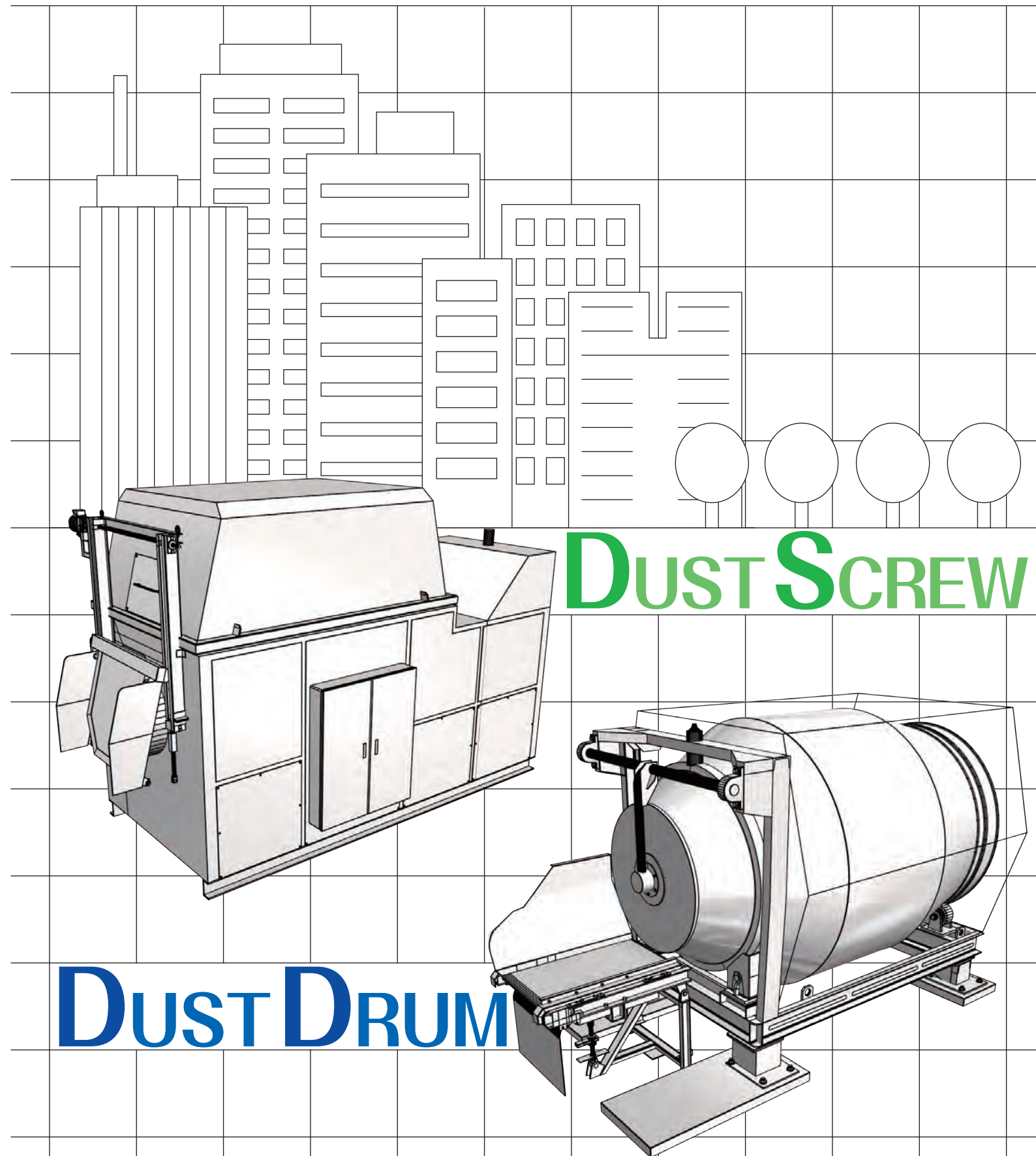
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## A new generation refuse handling system offering improved cleanness, tidiness, pleasant and efficient

For those seeking an effective and sanitary way to handle refuse while keeping it out of sight, we offer the Dust Drum and Dust Screw equipment. These environmental facilities efficiently solve common refuse handling issues that present a challenge to business and commercial facilities as well as residential apartments. By designing optimal system, we can effectively solve the refuse storage and disposal issues efficiently while accommodating each specific user's need.



*Ideal refuse storage room with space for recyclables storage*



# DUST DRUM

### Comfortable living environment

- Enclosed design allows safe and hygienic refuse storage
- Eliminate leakage of offensive odor and foul water
- Prevent refuse spillage while keeping pest away
- Reduce fire risk
- 24/7 Refuse disposal
- Enhance individual privacy of refuse
- Design for safe and simple operation with pleasant overall appearance

### Efficient storage

- Effective refuse storage.
- Reduces the space required for refuse storage sites.
- Various size of equipment fit to customer's requirement
- Highly corrosion-resistant.
- Discharge orientation can be chosen to accommodate the building design.
- Outdoor installation is also available.
- Encourage refuse separation and recycling

### Automatic & easy operation

- Simple and safe refuse loading
- Labor saving  
Automatically discharge refuse to a conventional collection truck with the press of a button; no other handling required.
- Minimize refuse loading time.
- Reduce cleaning work for refuse storage room /area.
- Designed for easy maintenance



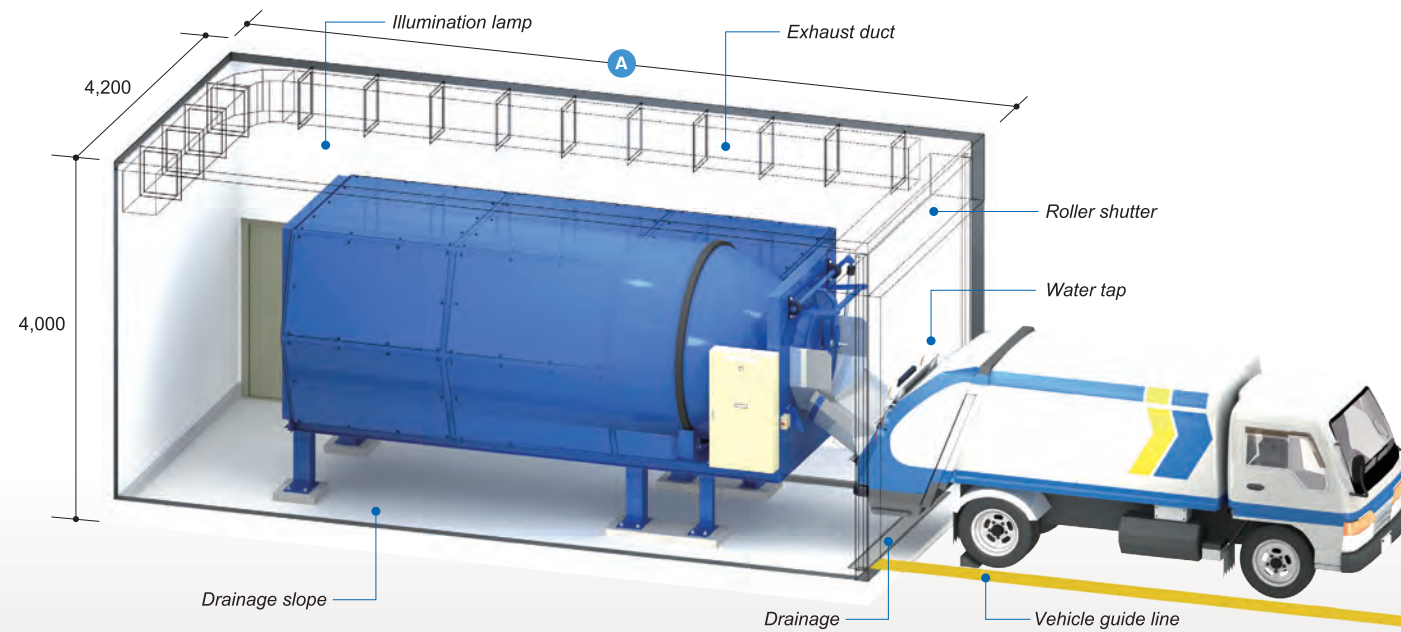
# DUST SCREW



# DUST DRUM

Highly corrosion-resistant.  
Can be discharged from three sides.

## Flow of refuse

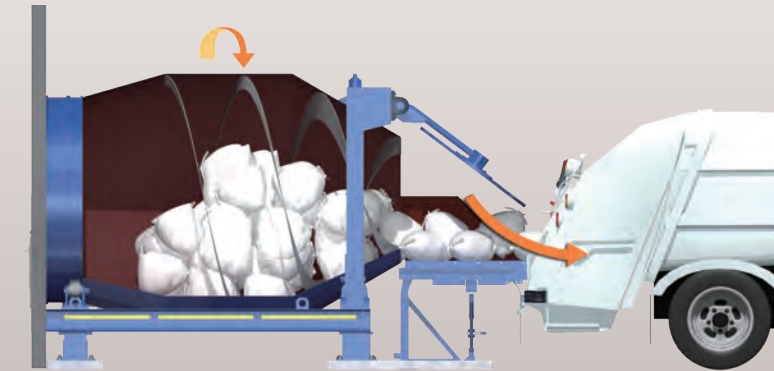
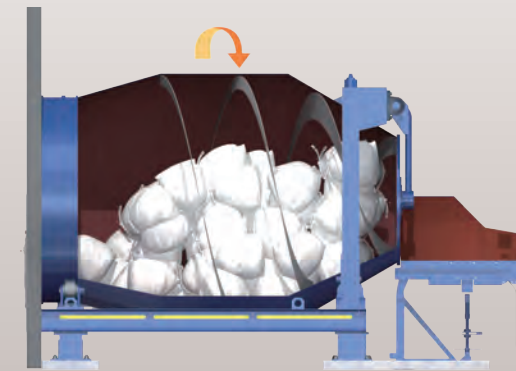
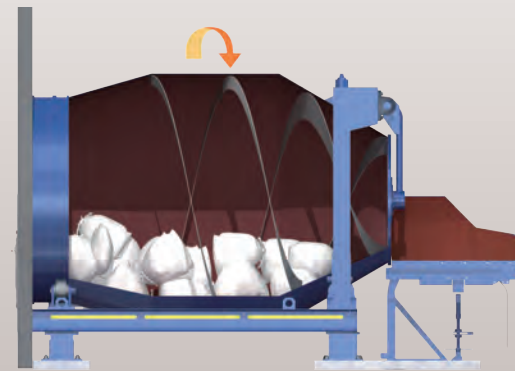
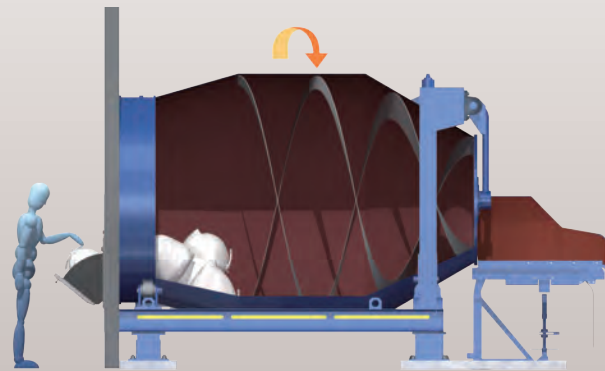


**1 Loading of refuse**  
Refuse is loaded through the fixed volume hopper inlet.

**2 Drum rotation**  
The rotation of the drum moves the refuse toward the front of the storage chamber.

**3 Compaction, storage and fill level**  
Steps 1 and 2 are repeated several times until the fill level is reached, as determined through calculation of the loading frequency.

**4 Transfer**  
The refuse is transferred to the refuse collection truck through the rotation of the drum.

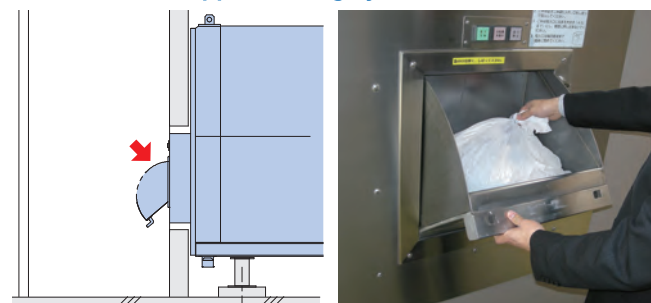


**Loading**  
The loading system can be chosen to accommodate the site and usage conditions.

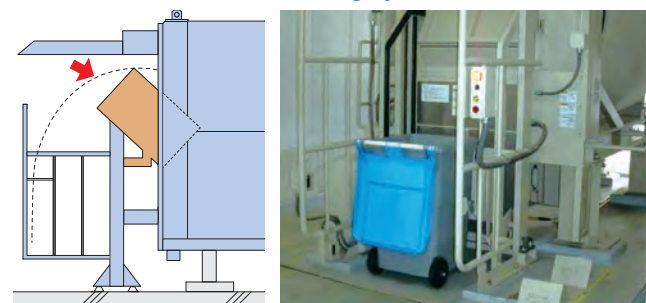
**Discharging**  
Select optimal discharge system.

**Installation examples**

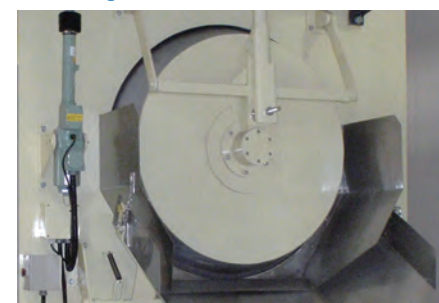
Fixed volume hopper loading system



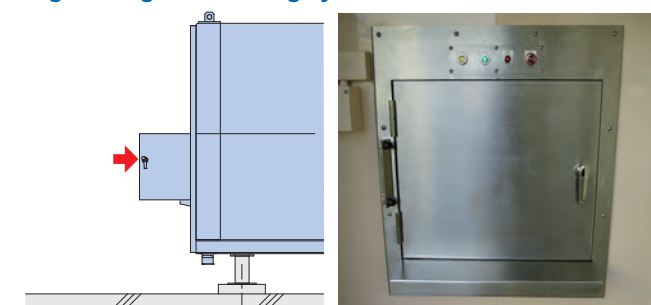
Mobile bins inverse loading system



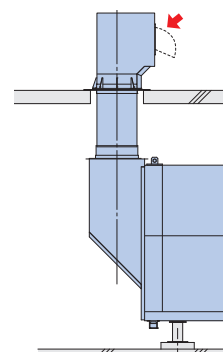
Discharge chute



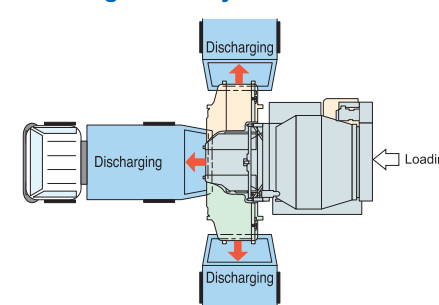
Single swing door loading system



Upper floors direct chute loading system



Discharge conveyor



## Specifications

Model	XP																					
Nominal capacity (m <sup>3</sup> )	6	8	10	12	14	16	18	20	22	24												
Average discharge rate (m <sup>3</sup> /min)	Approx 1.0																					
Equipment weight (Approx. kg)	3,800	3,900	4,100	4,300	4,600	4,900	5,400	5,600	5,800	6,100												
Drive unit	Electric motor output (kW)		3.7 x 1 unit		5.5 x 1 unit		7.5 x 1 unit		11 x 1 unit													
Primary power supply	3-phase 200V or 400V class																					
	Voltage (V)																					
	Capacity (kVA)		7		10		12		17													
Dust Drum with mobile bins inverse loading system (kVA)		8		11		13		18														
	A (mm)		6,450		6,950		7,450		7,950		8,450		8,950		9,450		9,950		10,450		10,950	

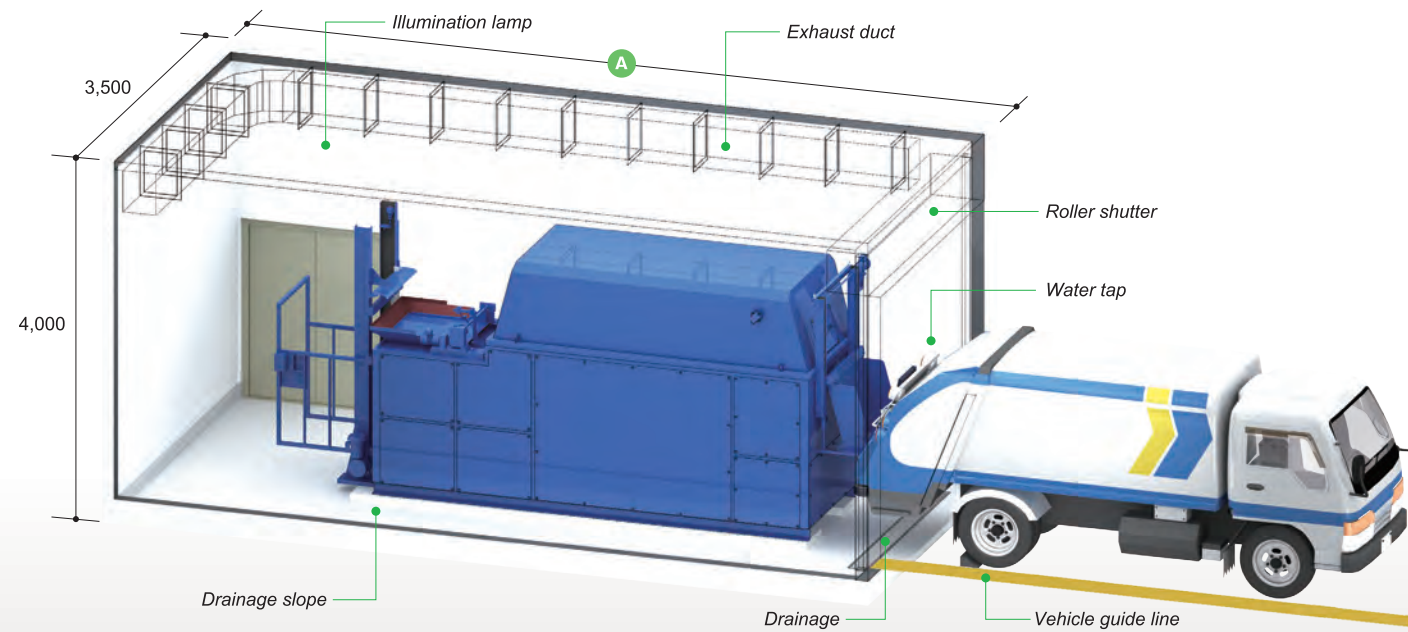
Notes: \*Discharge rate varies with condition and characteristic of refuse.  
\*Equipment weight does not include the optional loading/discharge system and refuse.  
\*Electric capacity varies with specification and optional item.  
\*The room dimensions shows in this catalogue are for reference only. Please contact your ShinMaywa representative for further details.



# DUST SCREW

Designed for low noise & low vibration.  
Can be loaded from three sides.

## Flow of refuse

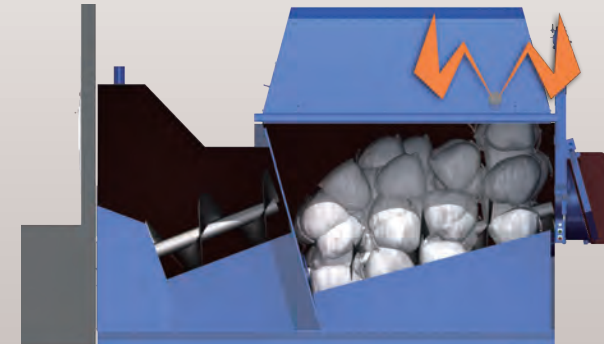
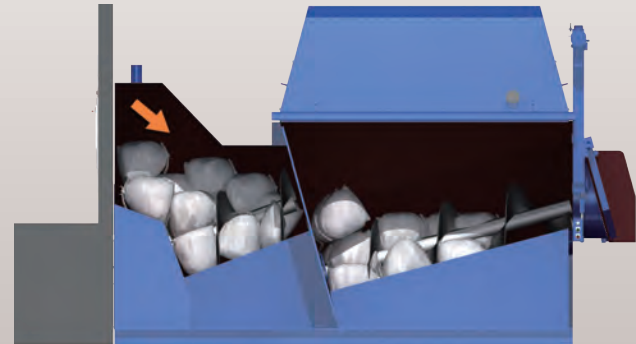
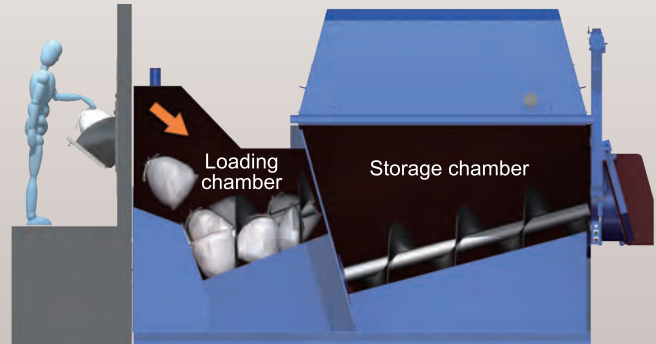


**1 Loading of refuse**  
Refuse is loaded through the fixed volume hopper inlet.

**2 Drum rotation**  
The rotation of the loading screw moves the refuse toward the front of the storage chamber.

**3 Compaction, storage and fill level**  
Steps 1 and 2 are repeated several times until the fill level is reached, as determined through calculation of the refuse volume.

**4 Transfer**  
The refuse is transferred to the refuse collection truck through the rotation of the screw.

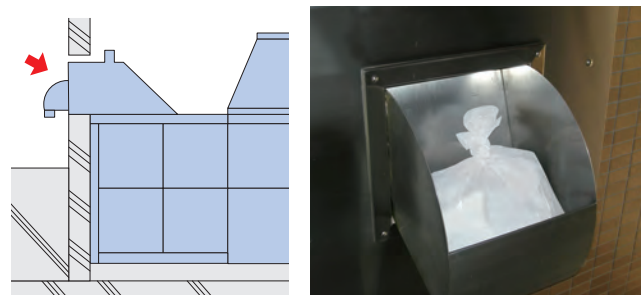


**Loading**  
The loading system can be chosen to accommodate the site and usage conditions.

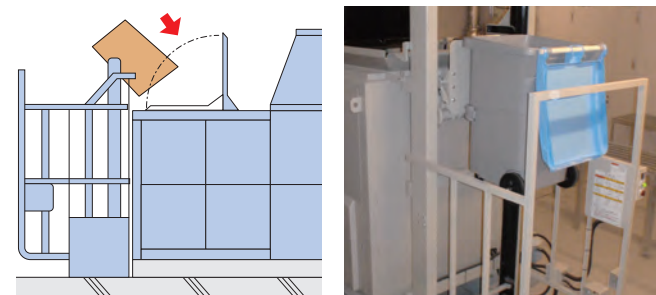
**Discharging**  
Select optimal discharge system.

**Installation examples**

**Fixed volume hopper loading system**



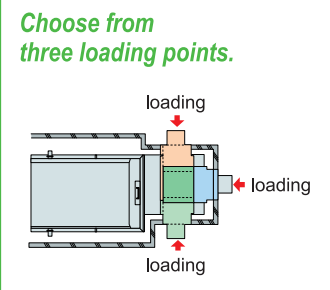
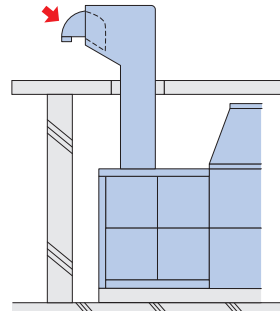
**Mobile bins inverse loading system**



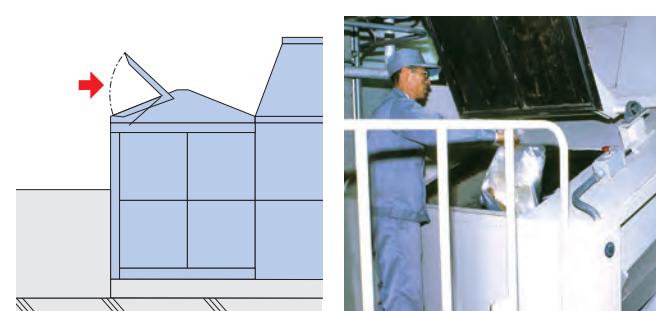
**Discharge chute**



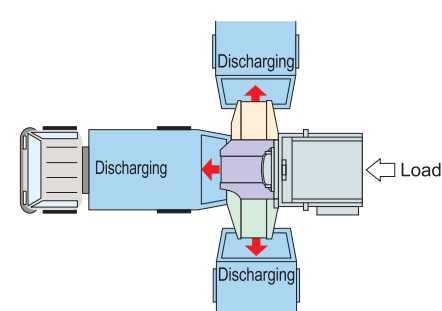
**Upper floor direct chute loading system**



**Direct loading system**



**Discharge conveyor**



## Specifications

Model	XLF									
	6-8 m³		10-16 m³			18-24 m³				
Nominal capacity (m³)	6	8	10	12	14	16	18	20	22	24
Average discharge rate (m³/min)	Approx. 1.0									
Equipment weight (Approx. kg)	5,300	5,500	9,100	9,300	9,400	11,100	11,400	11,500		
Drive unit	Electric motor output (kW) 5.5 × 1 unit, 3.7 × 1 unit		5.5 × 1 unit, 3.7 × 2 units			5.5 × 1 unit, 3.7 × 3 units				
Primary power supply	Voltage (V) 3-phase 200 V or 400 V class									
	Capacity (kVA) 12		17			21				
	Dust Screw with mobile bins inverse loading system (kVA) 14		18			23				
A	8,000		10,600			13,200				

Note: \*Discharge rate varies with condition and characteristic of refuse.  
\*Electric capacity varies with specification and optional item.  
\*The room dimensions shows in this catalogue are for reference only. Please contact your ShinMaywa representative for further details.