

ecotech™

chutes pvt ltd

An ISO 9001:2015 Company



ORGANIC WASTE CONVERTER

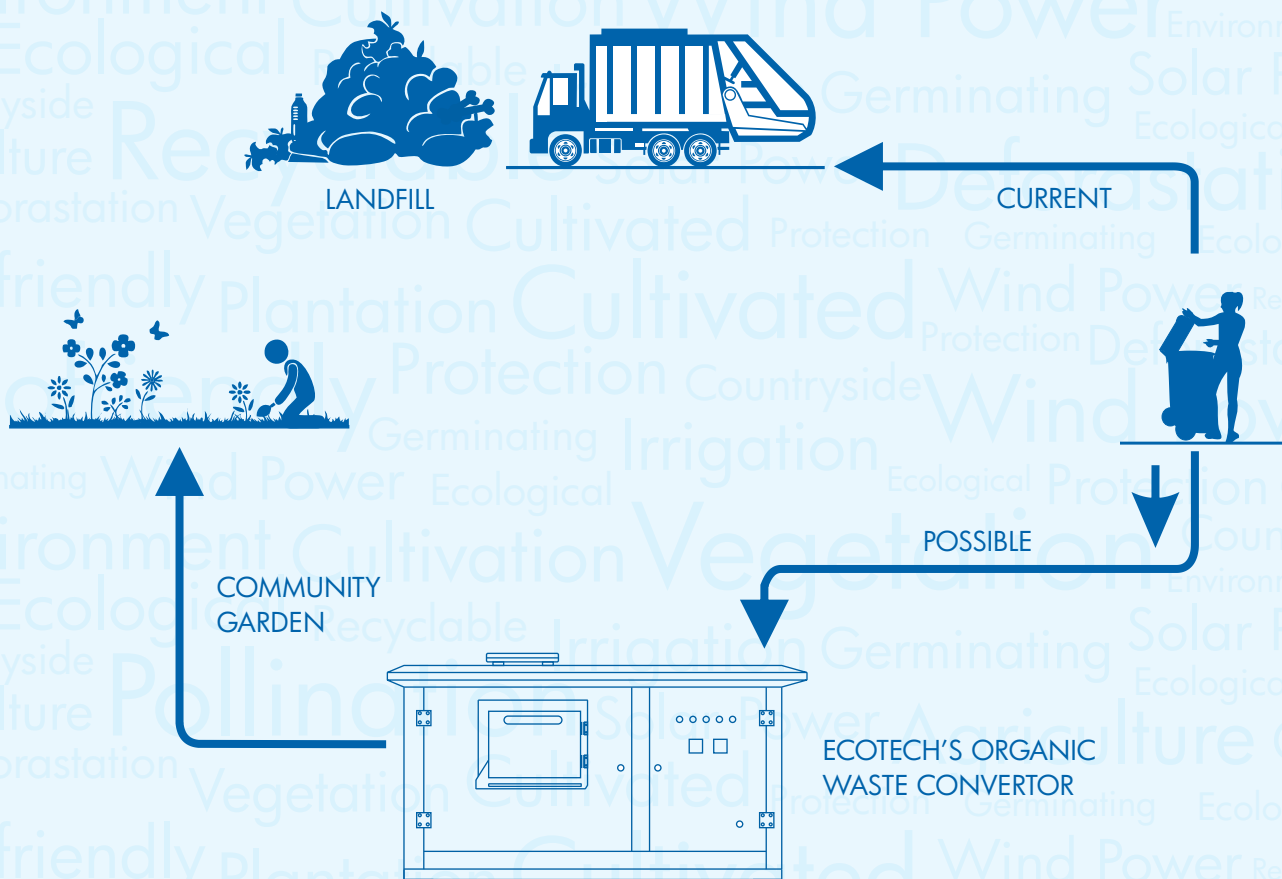
About Ecotech

Founded in 2005 with a specific focus on waste management solutions for residential and commercial premises, Ecotech has since grown into a national company having completed projects nationwide.

With a focus on continual improvement of products, management and service, Ecotech completes manufacturing in the state of art facility in conformity with international standards. All of our products are produced with a strong emphasis on simplistic design and ease of installation while aiming to minimize the environmental impact of all products and operations.

With a in-house design team, Ecotech invests strongly in product improvements and new developments based heavily on feedback from the diverse customer base.

Composting and its Benefits



Benefits of composting

- Composting reduces landfill waste and incineration, and therefore carbon emissions.
- Composting saves money on garbage removal
- Composting enriches soil and saves water.
- Composting cultivates healthy plants
- Composting is economical and saves environment

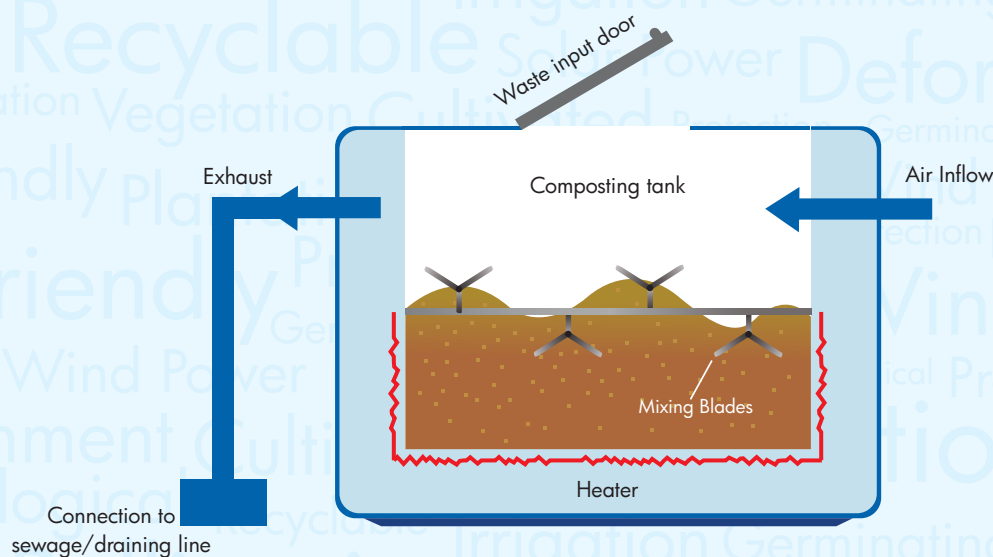
Ecotech's Organic Waste Converter

Ecotech's Organic Waste Converter are designed to make composting easy and convenient. Its fully automatic and has very compact and aesthetic design.

Ecotech's OWC are equipped with intuitive technology which maintains the right temperature, air flow and moisture. A special bacteria which is heat, salt and acid resistant is used. Once the bacteria are introduced in machine they reproduce at a rapid pace under ideal internal condition.

When organic waste is filled in converter, increase in moisture level is detected by sensor which subsequently starts the heating system. As the temperature increases it activates the bacteria which breaks down organic waste into fertile compost. At the same time moisture in waste is converted into water vapor which is vented through blower into drain. This not just results into nearly 85% volume reduction in compost formed but also converts organic (food) waste into 70-80% mature compost within 24 hours. The temperature in our owc machine is high enough that even dairy, fish and meat are easily composted. The constant temperature and air flow prevents odor and pest problem.

The owc machine needs to be emptied only once a week and the compost can be used in garden or can be sold.



Features & Specifications

- Fully automatic.
- Power saving function.
- Heavy duty stainless steel composting chamber and agitator shaft.
- Processes almost of all type of organic waste.
- Up to 80 – 90% volume reduction of organic waste into compost
- Removal of compost only once in 8 – 10 days
- Compact, fully covered and attractive outer body
- Noiseless and odorless
- Overload function
- Auto stop function when door in open
- Emergency stop button
- Digital temperature display.

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ACTUAL PHOTOGRAPH

- **Smart & Fully Automatic:**

Provided with inbuilt heating system, multiple sensors and logic control board thus eliminating need of skilled manpower.

- **Power Saving Function:**

Heating system is On only when moisture level is high or else it remains off thus saving electricity.

- **Odourless:**

No foul odour is created during operating. Also no pathogens or harmful gases are generated.

- **High Durability**

Robust construction with high quality stainless steel Grade 304 contact part and high quality exterior canopy.

- **User Safety:**

Auto stop function when any door is opened.
Emergency stop button also provided.

Range

Model : Eco 25

Per day waste processing capacity : 20-25 kgs

Power Supply : Single/3 Phase

Approx Dimensions : 5'5" (L) x 2'7" (W) x 2'4" (H) feet

Power Rating : 1.35 KW



Model : Eco 75

60-75 kgs : Per day waste processing capacity

3 Phase : Power Supply

6'8" (L) x 3'5" (W) x 3'9" (H) feet : Approx Dimensions

3.1 KW : Power Rating



Model : Eco 125

Per day waste processing capacity : 110-125 Kgs

Power Supply : 3 Phase

Approx Dimensions : 7'4" (L) x 3'7" (W) x 4'2" (H) feet

Power Rating : 4.8 KW



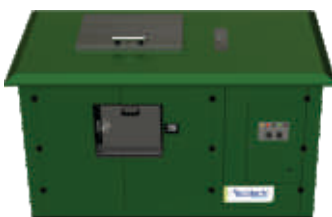
Model : Eco 250

220-250 kgs : Per day waste processing capacity

3 Phase : Power Supply

8'9" (L) x 4'10" (W) x 4'11" (H) feet : Approx Dimensions

10.4 KW : Power Rating



Range

Model : Eco 500

Per day waste processing capacity : **450-500 kgs**

Power Supply : **3 Phase**

Approx Dimensions : **12'5" (L) x 6'2" (W) x 6'3" (H) feet**

Power Rating : **15.5 KW**



Model : Eco 750

680-750 Kgs : Per day waste processing capacity

3 Phase : Power Supply

14'4" (L) x 7'7" (W) x 7'2" (H) feet : Approx Dimensions

24.5 KW : Power Rating



Model : Eco 1000

Per day waste processing capacity : **900-1000 kgs**

Power Supply : **3 Phase**

Approx Dimensions : **15'9" (L) x 8'2" (W) x 7'5" (H) feet**

Power Rating : **30 KW**



Model : Eco 1250

1125-1250 Kgs : Per day waste processing capacity

3 Phase : Power Supply

16'6" (L) x 8'5" (W) x 7'7" (H) feet : Approx Dimensions

38.5 KW : Power Rating



Customized Model : Apart from our standard models we can also provide customized mode to suit requirement of client.

What should you compost?

DO COMPOST



Vegetables & Vegetable Skin



Fruits & Fruit Skin



Fish & Crabs



Meat & Chicken



Eggs and Shells



Bread & Bakery Items



Meal leftover



Fast Food



Garden Waste

DON'T COMPOST



Plastic Items



Metal, Rubber & Glass



Pharmaceuticals & Chemicals



Diaper or Baby Wipes



Pet Droppings



Big Bones



Coconut Shells



Hazardous Waste



Any Inorganic Material

Our Other Products



Standard Garbage Chute



Segregated Garbage Chute



Debris Chute



Linen Chute

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Engineering Your Waste!

- Garbage Chutes
- Linen Chutes
- Debris Chutes
- Organic Waste Composter



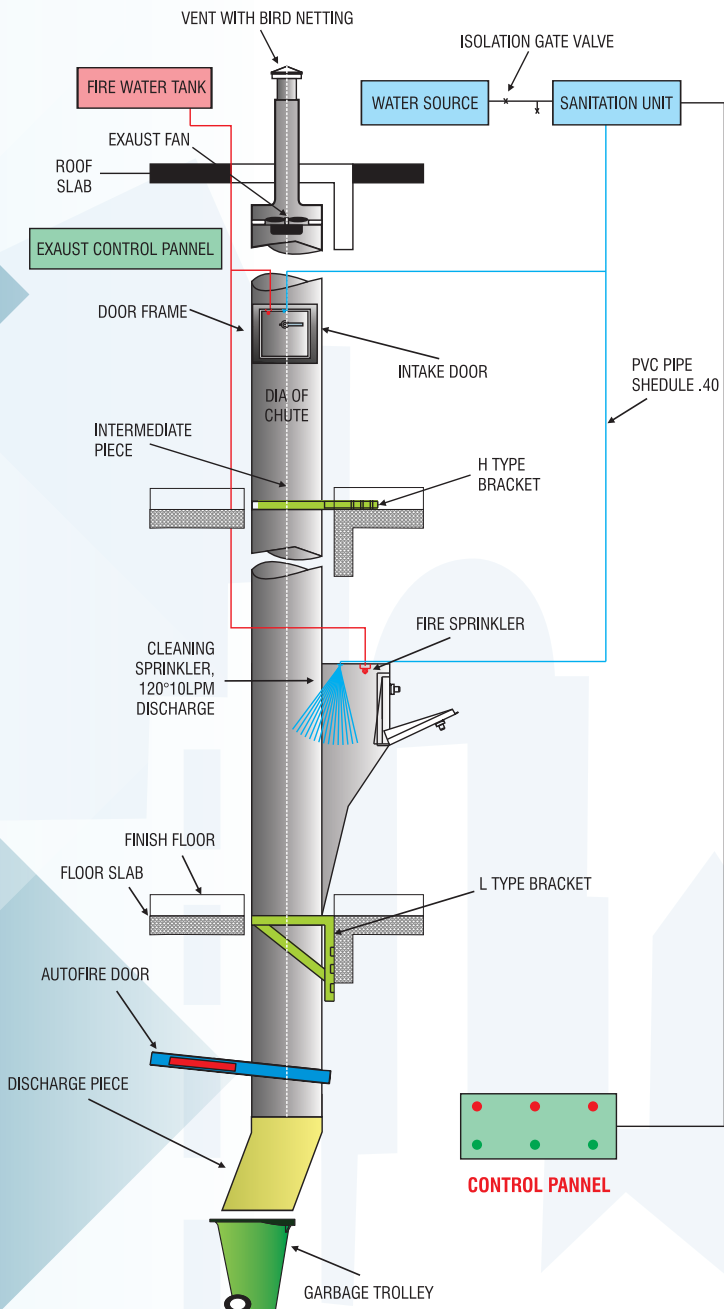
GARBAGE CHUTE: CENTRALIZE GARBAGE COLLECTION SYSTEM

In large buildings, it is not practical for residents or housekeeping staff to move large quantities of garbage from floor to floor on elevators and stairways. Garbage Chute provides an easy and convenient method of garbage collection in multi – storied buildings. Garbage chute is the best way to consolidate garbage from around the building into a single location for easier collection.

BENEFITS OF GARBAGE CHUTE

- Garbage from all the floors gets collected at single point on ground floor.
- Garbage could be disposed at anytime and multiple times in a day.
- Allows segregation of garbage into “DRY” and “WET”
- Manpower cost is saved
- It make garbage disposal safe and hygienic

STANDARD GARBAGE CHUTES



ECOTECH GARBAGE CHUTE

Founded in 2005 with specific focus on waste management solutions Ecotech is considered as most trusted brand in garbage chutes. Our garbage chutes are manufactured in compliance with British Standards (BS 1703:2005), American Standards (NFPA 82) and National building code of India (NBC 2005). Manufactured in stainless steel our garbage chutes are highly durable and robust. Our Garbage Chutes also includes fire safety features like auto closing fire door at bottom of chute, fire sprinklers and fire rated intake door.

Automatic cleaning system washes the chute from inside with water and disinfectant keeping chute clean and sterilized. An Air-vent with exhaust fan dispels gases from chute and keep the chute odour free.

MATERIAL OF CONSTRUCTION

Manufactured from stainless steel SS 430 / SS 304 grade having thickness of 1.2 / 1.5 / 2 mm depending upon diameter of chute. Use of Plastic / Fibre chutes possess risk of fire hazard hence not allowed as per BS/NFPA codes. Stainless steel is corrosion resistant hence gives maximum durability.

INTAKE DOOR

Intake door are bottom hinged, Self-closing hopper type door. Door is fitted with gas piston which ensures a smooth and silent closing of door. Door opening have side checks to avoid spillage.

SHAFT

Shaft of Garbage Chute is manufactured in Stainless steel (SS 430). The standard diameter of shaft is 450mm. However shaft can be manufactured in required diameter.

SANITATION SYSTEM

It is an automated cleaning system which cleans the entire chute from within only at press of button. It consists of a sanitation unit at terrace level with liquid disinfectant storage tank operated by automated control panel in garbage room. Cleaning sprinklers are provided at every intake opening. These cleaning sprinklers are 120 degree, full cone and solid profile high pressure water jet sprinklers which ensures proper cleaning of surface from within. Cleaning sprinklers are specially designed to maintain constant pressure at lower as well as higher floors. Chute is cleaned with mixture of plain water and disinfectant solution.

DIAMETER

Diameter of garbage chute depends upon volume of garbage generator and size of garbage bag to be disposed. For residential building typical diameter is 450 or 600 mm, for commercial building it is 600 mm and for Malls, hotels and hospital it is 750 mm

AUTO CLOSING FIRE DOOR

It is installed at bottom of chute in garbage room. In case of fire in garbage room as the temperature cross 79 degree fusible link melts closing the fire door. Fire door blocks the path of fire preventing heat transfer

FIRE SPRINKLER

It is installed at top and bottom floors and every alternate floors. In case of fire as temperature rises beyond 79 degree celsius fire sprinklers opens and releases water.

AIR VENT

It removes foul smell and harmful gases generated from garbage. It is provided at roof level and operated by timer based control panel to save power. Vent diameter is reduced at top and gives 20/40 air changes per minute.

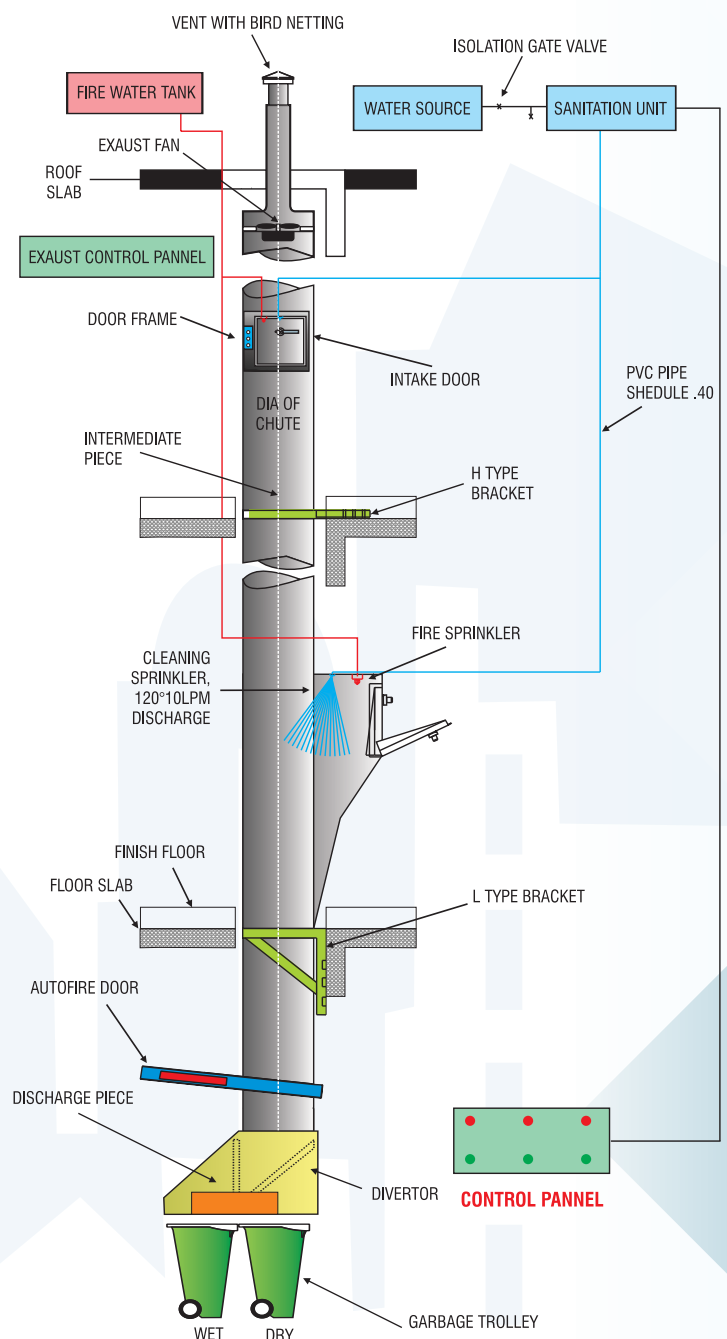
SEGREGATED GARBAGE CHUTE SYSTEM

Latest Municipal and Environmental rules mandates separate disposal of DRY i.e. recyclable waste and WET i.e. biodegradable waste. Segregated Garbage Chute allows collection of DRY and WET separately using single chute. It also helps to save cost and space for installing multiple chutes.

HOW IT WORKS

- All doors are electronically locked at any given time.
- User selects "Dry" or "Wet" options on selection panel next to door
- Chute converts to respective mode "Dry" or "Wet" by rotating flap door in the garbage room
- Only door where selection is made is unlocked and Garbage bag goes into respective trolley.
- Meanwhile all other doors are electronically locked flashing "Busy" indicator.
- Once the door is closed system is reset for next use.
- Total change over time of 10 seconds

SEGREGATED GARBAGE CHUTES



Installation Requirement

Our Garbage Chute can be easily installed in any duct, common lobby, landing, staircase, mid landing, utility duct, dry balcony or kitchen

Chute Diameter	Type of Building	Intake Door Size (Bottom Hinged)	Duct Size / Slab Opening
450 mm	Residential	300 x 375 mm	600 x 600 mm
600 mm	Residential Commercial	375 x 450 mm 450 x 450 mm	750x750 mm
750 mm	Commercial	525 x 525 mm 600 x 600 mm	900 x 900 mm

Garbage Room Size (in Meters)

Standard Garbage Chute	1.5 Width X 1.5 Length X 2.4 Height
Segregated Garbage Chute	2 Width X 1.5 Length X 2.4 Height

Actual Site Photograph



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AUTHORISED DEALER

📍 Survey 17/3, Near Hotel Garwa, Walhekarwadi, Chinchwad,
Pune, Maharashtra, India, Pin code - 411033

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Note : In view of our continuous endeavor to improve the quality of our products and services, we at our sole discretion may change design and technical specifications without any prior notice.

स्वच्छ भारत
एक कदम स्वच्छता की ओर



OUR PRODUCTS

AUTOMATIC ECO COMPOSTERS



ROTO COMPOSTERS



SHREDDER



GARBAGE CHUTE



DEBRIS CHUTE



LINEN CHUTE



About us..

Ecotech Chutes Pvt.Ltd since 2005 is pioneer in manufacturing of waste management equipments for residential and commercial premises, "Ecotech" has since grown into a national company having completed projects nationwide.

With a focus on continual improvement of products, management and service, "Ecotech" completes manufacturing in the state of art facility in conformity with international standards. All of our products are produced with a strong emphasis on simplistic design and ease of installation while aiming to minimize the environmental impact of all products and operations.

With a strong in-house R&D and design team, "Ecotech" invests strongly in product improvements and new developments based heavily on feedback from the diverse customer base.



एक कदम स्वच्छता की ओर

"Swachh Bharat Abhiyan" is a campaign by the Government of India to clean the streets, road and infrastructure of the country's statutory cities and towns. One of the prime objective of Swachh Bharat is aimed to enable reuse and recycling the Municipal Solid Waste. The Swachh Bharat Mission will also make an initiative of establishing an accountable mechanism of monitoring solid waste management.

We would request you to join us and help to clean our home, society and country and extend your support to campaign "Swachh Bharat Abhiyan"...



Machine Description

"Roto Composter" is designed for rapid composting of organic waste. It can be used in residential complexes, hotels, restaurants, company canteens, resorts, education institution, food courts etc. Depending upon the model it can process 25 kg to 5 tons of organic waste daily. It is a tank type bio mechanical waste composter, designed to feed waste daily. It converts solid organic waste into nutrient rich compost. Natural process of composting is accelerated by creating an ideal environment for bacteria to thrive and decompose the waste. No electrical heaters are used to generate heat hence less electricity is consumed.

Process Description

Food and organic waste is simply Added to hopper on the top of the machine with some culture power and saw dust (saw dust is added only if required). The process from then on is automated. Our machine provides efficient mixing and ventilation enabling microorganisms to break down organic waste into stable fertile compost. Internal tank is insulated to prevent loss of heat generated through biological activity. Heat activates hemophilic bacteria and also controls the moisture. Our machine operates on a bio-mechanical process which accelerates the speed of composting. The stable fertile compost can be collected from output end of the machine. Significant volume reduction up to 80 to 85% is also achieved in compost formed.

Benefit

- Automatic and easy to use
- No skilled Manpower required
- Attractive Outer Body
- Silent and Odorless
- 100% Segregation not compulsory
- Energy efficient, Low electricity consumption
- Recommended by Pollution, Environment and other Government bodies
- Recommended by all major Municipal Corporations
- Converts wet waste to fertile, nutrient rich compost in short time



ROTO COMPOSTER



MODELS	DIMENSION			POWER RATING
	Length-ft	Width-ft	Height-ft	
<ul style="list-style-type: none"> ■ ROTO 50 ■ ROTO 100 ■ ROTO 150 	92	39	42	1 KW
<ul style="list-style-type: none"> ■ ROTO 200 ■ ROTO 250 ■ ROTO 300 ■ ROTO 350 	136	52	56	35 KW
<ul style="list-style-type: none"> ■ ROTO 400 ■ ROTO 500 ■ ROTO 600 	144	56	59	45 KW
<ul style="list-style-type: none"> ■ ROTO 750 ■ ROTO 1000 	151	59	62	45 KW
<ul style="list-style-type: none"> ■ ROTO 400 ■ ROTO 500 ■ ROTO 600 	167	62	64	55 KW
<ul style="list-style-type: none"> ■ ROTO 500 ■ ROTO 600 	184	66	68	55 KW
<ul style="list-style-type: none"> ■ ROTO 750 ■ ROTO 1000 	184	69	68	55 KW
<ul style="list-style-type: none"> ■ ROTO 750 ■ ROTO 1000 	177	72	74	8 KW
<ul style="list-style-type: none"> ■ ROTO 750 ■ ROTO 1000 	210	79	81	105 KW

Customized Model: Apart from our standard models we can also provide customized model to suit requirement of client



SHREDDER

"Ecotech Shredder" are designed to operate at slower speeds, utilizing high torque and the tearing crushing & shearing action between counter rotating opposing blades. This results in minimal power consumption and reduced noise as compared to other types of shredders, while still achieving high throughput rates and low maintenance costs.

Suited to the size reduction of bulky materials, these machines are supplied complete with electrical control panel and are guarded to prevent access to moving parts, ensuring safety.

Highlight features

- Double shaft shredder are robust and rugged machines
- Throughput up to 1000kg/hr
- Less material preparation
- Safe to operate
- Very low vibration
- Lower dust and noise means a safer work environment
- Lower risk of projectiles ejected from the cutting chamber
- Longer life to the cutters and entire equipment
- Higher online reliability and lower power requirements

WHAT SHOULD YOU COMPOST?

DO COMPOST



Vegetables & Vegetable Skin



Fruits & Fruit Skin



Fish & Crabs



Meat & Chicken



Eggs and Shells



Bread & Bakery Items



Meal leftover



Fast Food



Garden Waste

DON'T COMPOST



Plastic Items



Metal, Rubber & Glass



Pharmaceuticals & Chemicals



Diaper or Baby Wipes



Pet Droppings



Big Bones



Coconut Shells



Hazardous Waste



Any Inorganic Material



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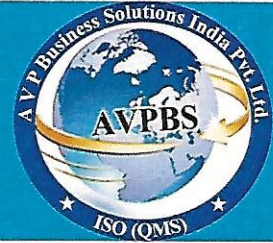
📍 map



MARK CREATIONS.COM

Note : In view of our continuous endeavor to improve the quality of our products and services, we at our sole discretion may change design and technical specifications without any prior notice.

Certificate



This Certificate is issued to
ECOTECH CHUTES PVT. LTD.
 Sr.No. 17/3, Abasaheb Chinchwade Industrial Estate, Walhekarwadi Road,
 Chinchwad, Pune- 411033, Maharashtra, India.
 after assessing the organizations Quality Management Systems
 and finding it in compliance with

ISO 9001:2015

For the following scope only:
**Manufacturing of Supplying & Trading of
 Waste Management Industrial**

Certificate No.	: ISO/QMS/15000680	
Audit Report No.	: Q15000680/2017	
Original Certificate Date	: 15/05/2017	Issue Date : 15/05/2017
Expiry Date*	: 14/05/2020	
1st Surve. Due	: 14/05/2018	2nd Surve. Due : 14/05/2019

(Subject to successful surveillance audits)



Nettaji

Authorised Signature
 AV P Business Solutions India Pvt. Ltd.
 Web.: www.isoindia.co.in
 Email: info@isoindia.co.in

This certificate remains the property of AVPBS to whom it must be returned on request. This Quality System registration is included in AVPBS Directory of Registered Organization on our website "<http://www.isoindia.co.in>" for the above mention name, address & scope. By issuance of this certificate the organizations represents that it will maintain its registration in accordance with the applicable requirements. This certificate is not transferable and valid only above mention address and scope. This certificate related to the management system, not to the products or services of the certified organizations. This certificate does not provide the certified organization with immunity from its legal obligations.

ISO Certificate



GULF MARKETS
INTERNATIONAL

Your Partner for Optimum Solutions



Segregated Garbage Chute

Dedicated for Chutes

- Ecotech has dedicatedly worked for solid waste management solutions from last one decade.
- We have fully equipped testing facility to take trial on regular basis which improves durability of the product.
- Due to regular updation there is **Minimum Maintenance** in system.
- Dedicated production and installation team to deliver product on time.
- We have after sales engineer team to handle client call within promised time.

Segregated Chute



- Main Shaft
- Self Closing , Bottom Hinged Door
- DRY & WET Selection panel

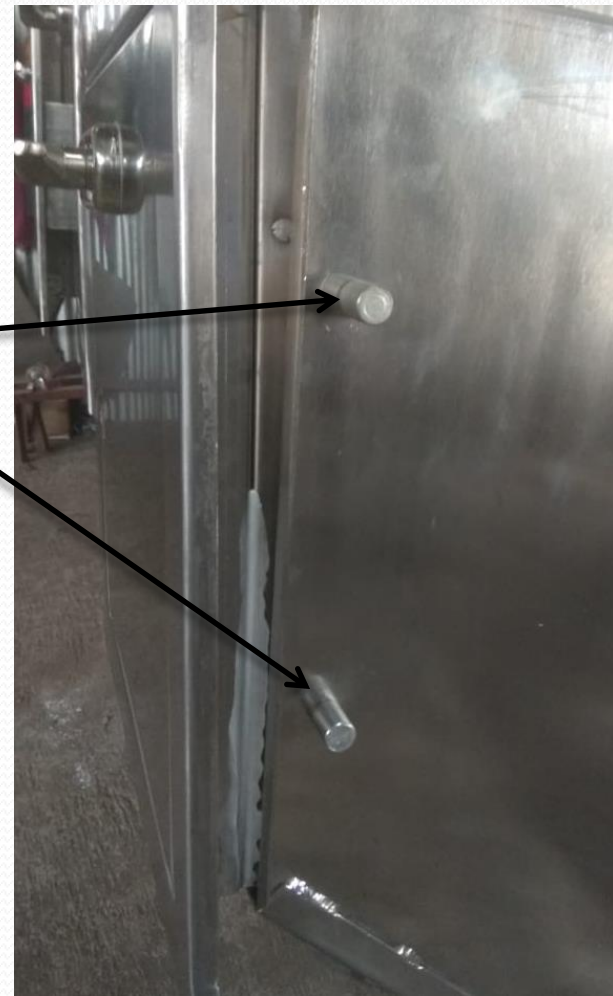
Durable Gas Springs

- Doors are fitted with Gas Spring to ensure smooth operation. These Gas Springs are tested rigorously for their durability.



Easy door fitting

- Intake doors are installed once brickwork around hopper is completed. Our hopper consist of permanently welded bush fitting which allows easy alignment of door with brickwork . This is also useful for maintenance of door



Door Equipped with key

- Door handle provided is with lock and key which gives you freedom to operate segregated chute as standard chute.



Fault system

- If a intake door is left open by purpose or by mistake the system after waiting for 180 seconds will ignore that door and allow the rest of system is work normally (For segregated chute)



Stainless Steel Diverter

- The Diverter placed at bottom of chute for DRY & WET garbage segregation is manufactured in Stainless Steel making it Rust Free and thus providing long durability



Auto Fire door

- The horizontal auto fire door fitted at bottom of chute is a fire dampener which prevent fire from entering in garbage chute



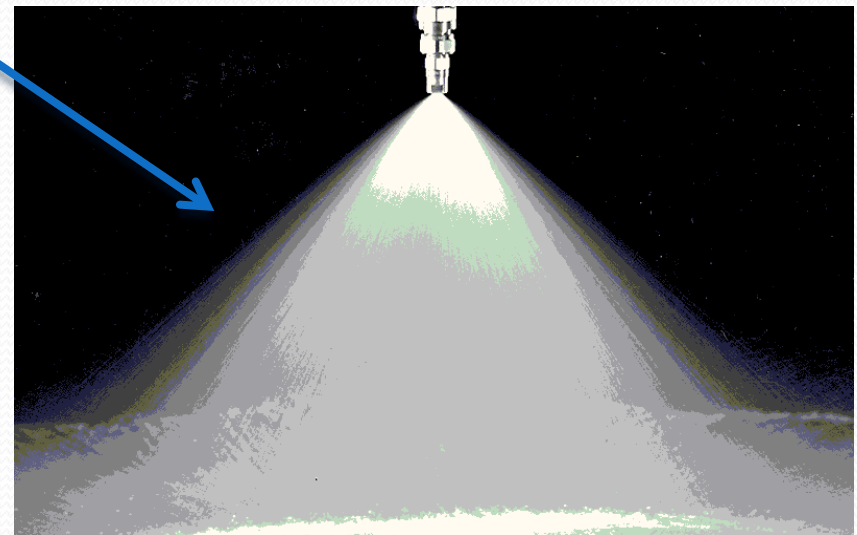
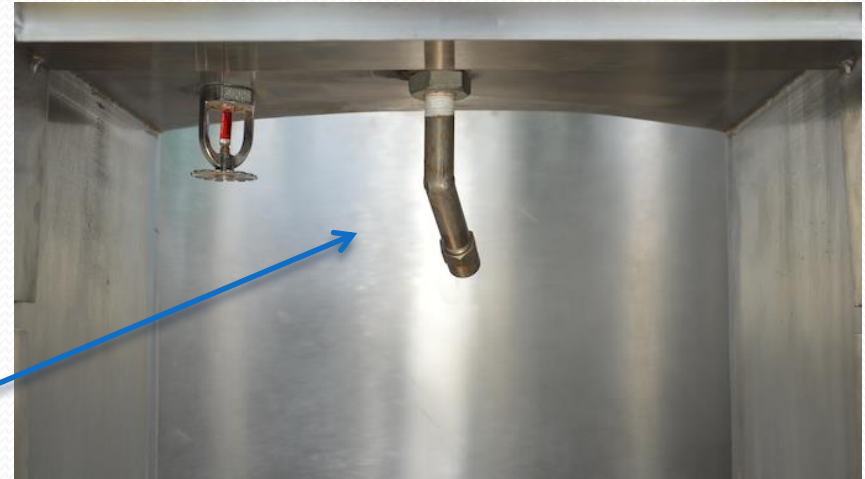
Automatic Cleaning System

- We provide automatic cleaning system where on single press of button entire cleaning of chute is done from within and after preset time it stops automatically.



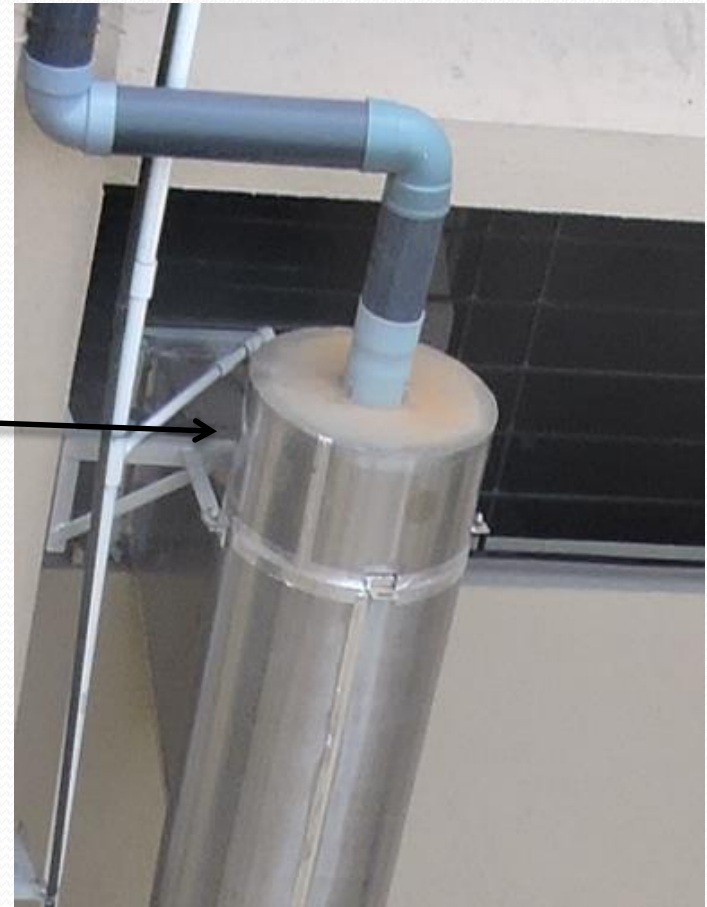
Full cone Nozzles for cleaning

- For cleaning it is very important to clean the entire circular portion of chute This is effectively done by our full cone nozzle s.



Exhaust for frequent air change

- Exhaust fan provided at top of the chute is connected with timer which allows 40 air change per hour. This removes foul gases generated in garbage and circulates fresh air in chute.



THANK YOU

