



HYDROTECH

SMS HYDROTECH PVT. LTD.

CORPORATE BROUCHER

Waste Management Machines & Services
We Believe in to Provide Our Best Services.



ABOUT US

SMS Hydrotech Pvt. Ltd. is counted among the reputed manufacturer, supplier and exporter of a broad range of Hydraulic cylinders, tractor and auto components. We also deal with Waste Management Machines and Services.

Our mission is "CLEAN AND GREEN PLANT TO ENHANCE BETTER LIVING".

Our products are acknowledged for features including reliable performance sturdy built, long service life and ease of installation and usage. We can design and develop these products and machines in different specifications to suit the varied requirements of the clients.

Our professionals help us in offering customization facility to the clients.

HISTORY OF THE COMPANY

The Company "SMS Hydrotech Pvt. Ltd." was started by MR. S.P SINGH IN 1978 as he did B.E from IIT - Rorkee and growing this business since from that time and now having a great huge client base with better client satisfaction rate and provided their services or products to many industries.

Now from 2009 his son "Mr. Surya, Vikram Singh" who did his B.E. from Middlesex University, London, joined this business to promote and support this business to the next level and maintain the business in a much better way with modern techniques.

Apart from this, the company also holding many certifications like ISO and deals in all types of critical components and continuous efforts for the new development and Quality.

INFRASTRUCTURE

Our products are manufactured in the plants, which is equipped with all modern production facilities. The facilities contribute to our capacity to conform to the international standards ensuring top quality performance & reliability. Besides, We are also engaged in vigorous R&D activities. Our Research & Development laboratory is armed with modern measuring instruments and precision computerized testing facilities.

MACHINERY IN-HOUSE FACILITIES

- 9 Turning CNC
- 4 VMC
- 1 M1TR fully automatic
- 8 Honing machines
- 1 CNC fully automatic Honing machine
- 8 Lathe machine
- 5 Drilling machine
- 1 Radial Drilling machine
- 1 Horizontal boring machine HMT
- 1 Surface grinder
- 3 Band saw
- Hydraulic Pressure testing
- 2 Mig welding machine
- 1 Welding SPM
- Broaching machine
- Surface finish tester
- 10 Arc welding
- Cutter & Grinders
- Bending Machine
- All inspection instruments with calibration report

1400sq YR working area in existing two plants and 2 approved Industrial plots available for future expansion



SMS HYDROTECH PVT. LTD.

INNOVATIVE ENGINEERING | SUSTAINABLE SOLUTIONS

INDIA'S TRUSTED MANUFACTURER OF
**ORGANIC WASTE
COMPOSTING MACHINES
(OWC)**

ORGANIC WASTE COMPOSTING MACHINE (OWC) COMPOSTING – NOT JUST DEHYDRATION



24 HOURS
PROCESS



80-90%
VOLUME
REDUCTION



ZERO
DISCHARGE &
NO EMISSIONS

SMS Hydrotech OWC is a fully automatic, in-vessel composting system that converts organic food waste into high-quality compost in just 24 hours using a controlled biological process – not just drying.

100% NATURAL 100% AUTOMATIC 24 HOURS

CERAMIC HEATER MACHINES = DEHYDRATORS

- ✗ Only removes moisture
- ✗ No biological transformation
- ✗ No uniform heat distribution
- ✗ No mixing & aeration
- ✗ Output is dry waste, not compost

NOT COMPOSTING

SMS HYDROTECH OWC = TRUE COMPOSTING

- ✓ Uniform heat + controlled moisture
- ✓ Biological decomposition
- ✓ Continuous mixing & aeration
- ✓ Double-layer vessel for uniformity
- ✓ High quality compost in 24 hours

REAL COMPOSTING

MORE THAN
500+
INSTALLATIONS
ACROSS INDIA
& 13+ COUNTRIES



COMPOST
READY TO USE
IN 24 HOURS



MODEL: 1000 KG / DAY



**INBUILT
SHREDDER**

Shreds waste into
uniform pieces for
faster composting



**DOUBLE-LAYER
VESSEL**

Uniform heat
distribution
throughout the
chamber



**PLC & HMI
AUTOMATION**

Siemens based
fully automatic
operation with
minimal human
intervention



**MIXING &
AERATION**

Special blades
& air circulation
ensure proper
aerobic
composting



**SS 304
CONSTRUCTION**

High grade stainless
steel for hygiene,
durability and
corrosion
resistance



**IOT ENABLED
(OPTIONAL)**

Online monitoring
with web server
and mobile app
(Available at
additional cost)



**ZERO DISCHARGE
& NO EMISSION**

Easy installation,
low footprint,
ideal for in-house
waste
management

HOW IT WORKS – 6 STEP COMPOSTING PROCESS (24 HOURS)

1 LOADING



Organic food waste
is loaded into the
machine.

2 INBUILT SHREDDING



Inbuilt shredder reduces
waste size for faster
biological action.

3 MIXING & MOISTURE CONTROL



Automatic mixing &
moisture control
maintain ideal
composting conditions.

4 UNIFORM HEAT & AERATION



Double-layer vessel
with uniform heat
and forced aeration
accelerates natural
decomposition.

5 BIOLOGICAL DECOMPOSITION



Microorganisms break
down the waste
completely in a
controlled environment.

6 COMPOST READY IN 24 HOURS



High quality, odourless
compost ready to use
as manure / soil
amendment.

OUTPUT



**ORGANIC COMPOST
/ MANURE / SOIL
AMENDMENT
PRODUCT**

Usable as manure,
soil conditioner,
gardening &
landscaping.

CAPACITY RANGE

MODEL	CAPACITY (KG / DAY)
OWC-25	25 – 50
OWC-100	100 – 150
OWC-250	250 – 300
OWC-500	500 – 600
OWC-1000	1000 – 1200
OWC-2000	2000 – 2400
OWC-3000	3000 – 3500

Customized capacity available on request.

SUITABLE FOR

- Hotels & Restaurants
- Residential Complexes
- Institutions & Canteens
- Hospitals
- Industries & Corporate Offices
- Temples & Community Centers
- Food Courts & Malls

OUR MACHINES



250 KG / DAY



1000 KG / DAY



2000 KG / DAY

CERTIFIED & REGISTERED



CERTIFIED



CERTIFIED



REGISTERED



GOVERNMENT
e Marketplace

KEY BENEFITS

- ✓ Reduces large expenses on transport to landfill sites
- ✓ In-house waste management, no dependency on outside agency
- ✓ Noiseless, odourless and maintenance-free
- ✓ 100% natural process – No enzymes or chemicals used

WASTE TYPES ACCEPTED



Cooked &
Uncooked Food



Fruits &
Vegetables



Tea Leaves,
Coffee Grounds



Flowers,
Leaves



Food Waste
from Canteens,
Kitchen, Hotels

CONTACT US



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Haryana – 121005, India



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www.smshydro.com



www.organicwastecompost.com



SCAN QR CODE
TO WATCH
MACHINE IN ACTION

INDUSTRIAL SHREDDERS

Types of Industrial Shredder:

- Twin Shaft Shredder
- Single Shaft Drum Type Shredder for Plastic Lumps
- Single Shaft Shredder / Grinder
- Hammer Mill / Rotavator Type Shredder

TWIN SHAFT SHREDDER

A Twin Shaft Shredder is a heavy-duty industrial machine used for shredding various materials into smaller pieces. As the name suggests, it typically consists of two parallel shafts equipped with sharp blades or cutters. These shafts rotate in opposite directions, creating a shearing and tearing action that effectively breaks down materials.

Twin Shaft Shredders are versatile and can handle a wide range of materials including plastic, wood, rubber, metal, and more. They are commonly used in recycling facilities, waste management plants, and industrial settings to process bulky items, scrap, and waste into manageable pieces for further processing or disposal.

The design of Twin Shaft Shredders allows for efficient shredding of large volumes of material, making them essential equipment for industries focused on recycling and waste management. Additionally, they often feature robust construction and advanced safety mechanisms to ensure reliable operation and worker protection.

Capacity Available:

50Kg/hr - 5000Kg/hr



SINGLE SHAFT DRUM TYPE SHREDDER FOR PLASTIC LUMPS

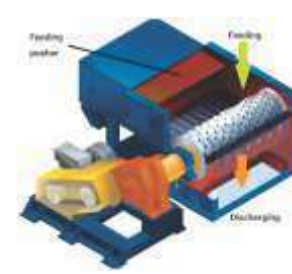
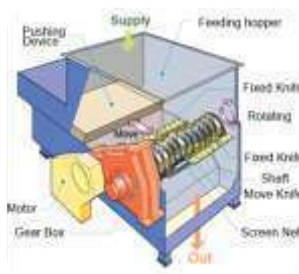
A Single Shaft Drum Type Shredder for Plastic Lumps is a specialized machine designed specifically for shredding large plastic lumps or chunks into smaller, more manageable pieces. Here's a breakdown of its key features:

- 1. Single Shaft Design** : Unlike twin shaft shredders, which have two parallel shafts, this type of shredder has only one main shaft. This shaft is typically equipped with sturdy blades or cutters that rotate to cut and shred the plastic material.
- 2. Drum Type Configuration** : The shredding mechanism is often housed within a drum-like chamber. This configuration allows for efficient shredding of bulky plastic lumps as they are fed into the machine.
- 3. Heavy-duty Construction** : Single Shaft Drum Type Shredders are built with robust materials and construction to withstand the rigors of shredding tough plastic materials. They are often equipped with high-torque motors to provide the power necessary for shredding large plastic lumps.
- 4. Variable Speed and Cutting Configurations** : These shredders may feature variable speed controls and adjustable cutting configurations to optimize performance based on the type and size of plastic lumps being shredded.
- 5. Safety Features** : Like other industrial shredders, safety features such as emergency stop buttons, safety guards, and overload protection mechanisms are typically incorporated to ensure safe operation.
- 6. Application** : These shredders are commonly used in recycling facilities, plastic manufacturing plants, and waste management facilities to process large plastic lumps or chunks generated from various sources. The shredded plastic material can be further processed or recycled into new products.

Overall, Single Shaft Drum Type Shredders for Plastic Lumps play a crucial role in plastic recycling and waste management by efficiently reducing large plastic materials into smaller, more manageable pieces for further processing or disposal.

Capacity Available:

50Kg/hr - 5000Kg/hr



SINGLE SHAFT SHREDDER / GRINDER

A Single Shaft Shredder/Grinder is a powerful industrial machine designed for shredding and grinding various materials into smaller particles or fine granules. Featuring a single main shaft equipped with sharp blades or cutting elements, this versatile equipment can process materials like plastics, rubber, wood, paper, and more. Its dual functionality allows it to both shred materials into smaller pieces and further grind them into fine granules or powder, depending on the desired end product.

With customizable cutting configurations, heavy-duty construction, and safety features, Single Shaft Shredder/Grinders offer high efficiency, reliability, and versatility, making them essential equipment in recycling, waste management, manufacturing, and processing industries.

Capacity Available:

50Kg/hr - 5000Kg/hr

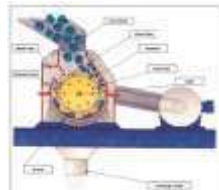


HAMMER MILL / ROTAVATOR TYPE SHREDDER

The Hammer Mill/Rotavator Type Shredder is a robust industrial machine designed for shredding and pulverizing various materials into smaller particles or fibers. It typically consists of a rotating drum or rotor equipped with hammers or blunt blades that impact and shred the materials as they pass through. This type of shredder is particularly effective for processing organic materials such as agricultural waste, biomass, and wood. The hammer mill action breaks down the materials through repeated impacts, while the rotavator function further pulverizes them, resulting in finely shredded material suitable for various applications including composting, fuel production, and animal bedding. With its efficient shredding capabilities and versatility, the Hammer Mill/Rotavator Type Shredder plays a vital role in agricultural and biomass industries.

Capacity Available:

50Kg/hr - 5000Kg/hr



FIBER



STEEL



CRUMB RUBBER

Shredder Video links:

Plastic Drum Shredder: <https://youtu.be/2wtmk2BSfdo>

Heavy Duty Twin Shaft Shredder: https://youtu.be/db2_6pptqBo

Heavy Duty Shredder: <https://youtu.be/A9uFnuijiqE>

Synthetic Rubber Shredder: <https://youtu.be/OPX9e2uTXOk>

Plastic Lump Shredder: <https://youtu.be/xiXKdk8Gne0?si=HBd6xkuloJMyVp40>

Food/ Organic Waste Shredder: <https://youtu.be/b8oaNL5bNXU>

Plastic Film/Bottle Shredder: <https://youtu.be/j7kOqK1qRLO>

Plastic Wrapper, Gutka Pouch Shredder: <https://youtu.be/8-TN3s-KR4A>

Mixed Plastic Waste to Granule Making: https://youtu.be/BWl9KQ_Kjn4?si=VVormxV6yONc5_9w





SMS HYDROTECH PVT. LTD.

MANUFACTURER OF INDUSTRIAL SHREDDERS & GRINDERS

TYRE • PLASTIC • MSW / RDF • E-WASTE • PLASTIC LUMPS • INDUSTRIAL WASTE



INDUSTRIAL SHREDDING SOLUTIONS

HEAVY-DUTY SHREDDERS BUILT FOR TOUGH MATERIALS

SMS HYDROTECH PVT. LTD. designs and manufactures robust size-reduction equipment for recycling, waste processing and industrial applications.

APPLICATIONS

Tyres • Plastic • MSW • RDF • E-Waste • Plastic Lumps • Industrial Waste

ENGINEERED AROUND YOUR PROCESS

Power • Gearbox • Cutting System • Chamber • Screen • Feeding • Conveying

OUR SHREDDING & GRINDING SOLUTIONS



TYRE SHREDDERS

Heavy-duty twin-shaft machines for PCR/TBR and mixed tyre processing, with optional screening and separation.



PLASTIC LUMP SHREDDERS

For HDPE, LDPE, PP, PET, plastic lumps, pipes, jumbo bags and difficult industrial plastic waste.



MSW / RDF SHREDDERS

Robust shredding for municipal waste, RDF, industrial waste and alternative-fuel preparation.



E-WASTE SHREDDERS

Heavy-duty size reduction for electronic and mixed metal-rich waste, with application-specific cutting systems.



SINGLE-SHAFT GRINDERS

Controlled size reduction with screen-based output sizing for plastics, lumps and industrial materials.



COMPLETE SHREDDING LINES

Integrated feeding, shredding, conveyors, screening and material-handling solutions.

250+

SUCCESSFUL INSTALLATIONS

Across India & international markets

Heavy-duty construction • Custom engineering

Complete shredding solutions • Export-ready

CERTIFIED QUALITY & SAFETY

CE

EUROPEAN CONFORMITY

ISO 9001:2015

QUALITY MANAGEMENT

ISO 14001:2015

ENVIRONMENTAL MANAGEMENT

ISO 45001:2018

OCCUPATIONAL HEALTH & SAFETY

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TRACTOR AND AUTO COMPONENTS

PRODUCTS

List of Products:

- Hydraulic Cylinder for tractor
- Hydraulic cylinders for hydraulic lifts and trains
- Three point linkage for tractors
- Shocker cover for trains
- Coupler Assembly for trains
- Pistons for tractor and auto industry
- Casing tube
- Hydraulic power pack
- Hydraulic cylinder unit or Hydraulic motor
- Flange
- Boll joint
- Shredders
- Waste Management Machines.
- Lock Rings & Lock Nuts

CLIENTS FOR TRACTOR AND AUTO COMPONENTS



Tafe (Eicher tractors)
OEM vendor since last 32 years
Component: - Hydraulic cylinders and bearing spacers



ACE tractors
OEM vendor since last 4 years
Component:- Engine rear cover and hydraulic cylinders



Escorts Kubota Limited (Railway Division)
OEM vendor since last 3 years
Component:- Coupler Assembly, Lock Rings & Lock Nuts, Shocker Covers



Indian Railways
OEM vendor since last two years
Component:- Coupler Assembly, Lock Rings & Lock Nuts, Shocker Covers

CUSTOMIZATION R&D DEPARTMENT

SMS has the necessary expertise to create new designs, prototype for clients in various parts of the India. Our designers and engineers are equipped to make a counter sample of the sample or a drawing you sent us within a few weeks and that too strictly according to the required specifications.



CLIENTS FOR WASTE RECYCLING MACHINES

ITC HOTELS
RESPONSIBLE LUXURY

GMR
Creating tomorrow today

LARSEN & TOUBRO

HMD
Hindustan Syringes &
Medical Devices Ltd.

FOUR
POINTS
BY SHERATON

ALJAZEERA

SUNCITY
PROJECTS
creating spaces that live

Radisson BLU

ELANTE
CHANDIGARH
THE BEAUTIFULLY SMART MALL

EROS GROUP

FRESHLY
FOODS

SAYA
RELATIONSHIPS FOREVER

Park Plaza
Hotels & Resorts

RAMADA

DOUBLETREE
BY HILTON

Lords
HOTELS & RESORTS

CROWNE PLAZA
HOTELS & RESORTS

NHMC
नर्मदा नदी नगरपालिका

INDIAN
AIRWAYS

Haryana Urban
Development Authority
HUDA

greenlogix
Let's make a difference

NAPESCO
نارپسکو

CPWD

BERGER BT TOWERS

Power Grid Corporation of India Limited

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

DELL

NANJEL
Solutions

Bharat
Petroleum

BELMAKS

clarks
inn

NANJEL GREEN

भारत सेवा

भारत सेवा

HIL
CK BIRLA GROUP

MANSINGHGROUP
HOTELS/RESORTS/ENTERTAINMENT

JINDAL
STEEL & POWER

INDIAN RADIOLOGICAL &
IMAGING ASSOCIATION

Sommy
Enterprises

AQUA
WATER & WASTE
SOLUTIONS

Eco POLYMERS

भारत सेवा

THE ANTHEA GROUP
Fine Chemistry. Better Products.

HAVELLS

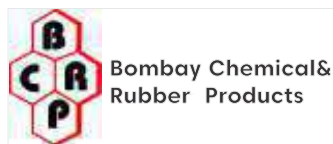
ABB

talbro's
Automotive Components

3Idvitya
HOMES

भारत सेवा







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