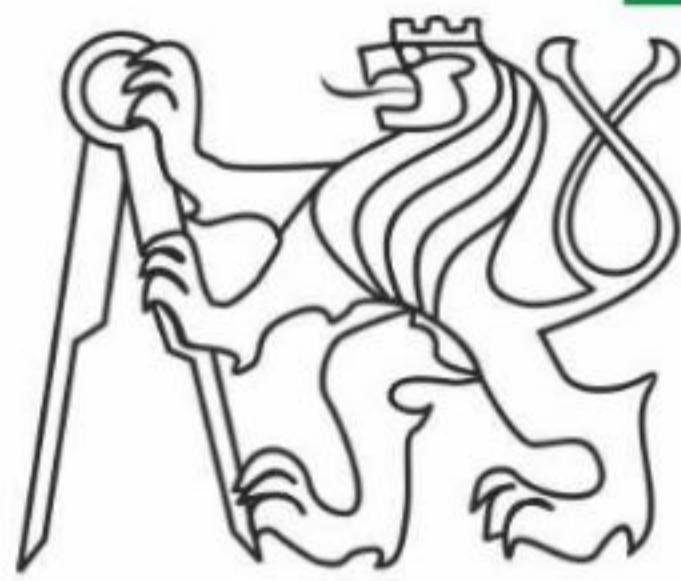


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Quality[®]
ENVIRO ENGINEERS LTD.

An ISO 9001 : 2015 Certified Company
Mfrs. of : Solid, Liquid Waste Handling Equipments



GeM
Government e Marketplace



**Clean and Healthy
ENVIRONMENT** with tech savvy machines.
Fast effective and superior!

**GEAR UP
TO
CLEAN UP**



PRODUCT PORTFOLIO

Air Pollution Management

- Multi functional water sprinkler with anti smog gun
- Multi function water sprinkler anti smog gun with air purifier
- Truck mounted fog canon
- Trolley mounted anti smog gun
- Fog or mist generator
- Outdoor air purifier
- Sweeping machine with multi function water sprinkler

Liquid Waste Cleaning Mgmt.

- Amphibious Excavator
- Super Sucker Machine with Dump Tanks
- Sewer Suction Cum Jetting Machine
- Sewer Suction Machine
- Multifunction jetting / de-watering machine
- Nala / open drain Cleaning Machine
- Sewer suction cum jetting recycling unit

Solid Waste Management

- Refuse Collector / Compactor
- Portable compactor with Hook Loader / Bin Lifter
- Dumper Placer
- Hopper tipper dumper
- Road Sweeper machine
- Underground Bins / Dustbins / Hand Cart
- Waste segregation equipment

ABOUT US

Quality Enviro Engineers Ltd. is a leading provider of innovative environmental engineering solutions, committed to promoting sustainable practices and creating a cleaner, greener future. Since our establishment, we have been dedicated to delivering high-quality, cost-effective, and environmentally friendly products and services to our clients worldwide. With a strong commitment to environmental stewardship, our company specializes in the manufacturing of cutting edge machines designed to combat air and water pollution effectively as well as solid and liquid waste management also.



Managing Director Message

Since our inception, we have remained steadfast in our commitment to providing innovative environmental pollution control solutions that contribute to a sustainable and thriving future for all.

At Quality Enviro Engineers, we understand the critical importance of preserving our planet for future generations. Our mission is not only to meet the needs of our clients and partners but also to serve as stewards of the environment. We are dedicated to leveraging our expertise, experience, and technological advancements to develop cutting-edge solutions that address the most pressing environmental challenges of our time.

We firmly believe that through collaboration and a shared sense of responsibility, we can make a significant positive impact on the world. Our team is driven by a passion for environmental stewardship, and we continuously strive to push the boundaries of what is possible in the field of environmental engineering.

I am incredibly proud of the work that our team has accomplished thus far, and I am confident that with our collective dedication and perseverance, we will continue to make meaningful contributions to a cleaner and more sustainable world.

I extend my gratitude to our clients, partners, and stakeholders for their unwavering support and trust in our capabilities. Together, let us embark on this journey to create a greener and more sustainable future for generations to come."

Vision & Mission

Our vision is to become the global leader in providing cutting-edge environmental solutions that enable businesses and communities to thrive in harmony with nature. We aim to set new standards in environmental sustainability and be the driving force behind a more ecologically balanced and healthier planet for future generations.

Our mission is to create a cleaner and healthier environment for the current and future generations by developing and delivering advanced pollution control technologies. We strive to be at the forefront of the environmental engineering industry, providing reliable and efficient solutions to combat pollution worldwide.



Our Core Values:

- 01 > ENVIRONMENTAL FRIENDLY**
- 02 > INNOVATION**
- 03 > INTEGRITY**
- 04 > EXCELLENCE**
- 05 > COLLABORATION**
- 06 > ETHICAL**
- 07 > EQUITABLE**
- 08 > COMMITMENT**

Infrastructure

The infrastructure of the company plays a vital role in facilitating smooth and efficient operations. A well-planned infrastructure not only supports our business activities but also reflects our commitment to sustainability. Our company prioritizes the implementation of eco-friendly and energy-efficient infrastructure to minimize environmental impact. Our infrastructure includes state-of-the-art laboratory facilities, modern manufacturing plants, and well-equipped office spaces designed to foster creativity, collaboration, and productivity. We have invested in sustainable technologies to reduce our carbon footprint and ensure that our infrastructure aligns with our mission to create a cleaner and greener future for generations to come.



Media Coverage



This Article is From Dec 10, 2020

[link : https://www.ndtv.com/delhi-news/arvind-kejriwal-inaugurates-truck-mounted-anti-smog-gun-to-tackle-delhi-air-pollution-2336515](https://www.ndtv.com/delhi-news/arvind-kejriwal-inaugurates-truck-mounted-anti-smog-gun-to-tackle-delhi-air-pollution-2336515)

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News > Delhi News > Arvind Kejriwal Inaugurates Truck-Mounted Anti-Smog Gun To Tackle Delhi Pollution

Arvind Kejriwal Inaugurates Truck-Mounted Anti-Smog Gun To Tackle Delhi Pollution

It is mounted on a BS-VI emission standards engine truck which causes lesser vehicular pollution, said a government statement.



The anti-smog gun is fed by a 5,000-litre water tank and can work for 3-4 hours continuously.

New Delhi: The AAP Supremo and CM of Delhi Sri Arvind Kejriwal has put many initiatives to tackle issues that have been haunting New Delhi for past many decades. Sri Arvind Kejriwal on Wednesday inaugurated one of the most modern and efficient cleaning mechanisms. The truck-mounted anti-smog gun strives to remove the worsening dust pollution. The city has seen deterioration in its air quality and the PPM level is creating much of the health issues. The anti-smog gun gulps water up to 5,000 litre which it carries on a BS-VI emission truck. It works continuously for 3-4 hours. The initiative is taken under Delhi's Government "Yuddh, Pradushan ke Virudh" which is a war against pollution campaign. The PWD has installed 23 anti-smog guns at major intersections and across the construction sites across Delhi. However, the experts have defamed the objective behind it by stating the limited ability of smog towers as it reduce pollution only to a certain extent. Delhi has been known to record the poorest AQI a day after Diwali for many years.

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Delhi pollution: 'Emergency measure' launched, smog towers' efficacy questioned

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Experts have pointed to the limited ability of the smog tower, saying they can reduce pollution only to a certain extent. Delhi recorded one of the poorest AQIs on the morning after Diwali.

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[link : https://www.hindustantimes.com/cities/kejriwal-launches-anti-smog-gun/story-1c7wz7o0qen2clnhsacnl.html](https://www.hindustantimes.com/cities/kejriwal-launches-anti-smog-gun/story-1c7wz7o0qen2clnhsacnl.html)



AIR POLLUTION **CONTROL** SOLUTIONS

Air pollution refers to the presence of harmful substances in the Earth's atmosphere, resulting from various human activities and natural processes. These substances, known as pollutants, can be in the form of gases, particles, or biological molecules that adversely affect the quality of air. Common air pollutants include particulate matter (PM), nitrogen oxides (NO_x), sulfur dioxide (SO₂), carbon monoxide (CO), volatile organic compounds (VOCs), and various other chemicals and compounds.

Exposure to air pollution can have detrimental effects on human health, including respiratory and cardiovascular problems, as well as contributing to the development of various diseases.

About The **Anti Smog Gun**

Quality Enviro's ANTI-SMOG GUN has come up as a solution to overcome this problem of air pollution. Anti-smog gun is a device designed to reduce air pollution by spraying atomised water into the atmosphere so that all the dust and polluted particles gets clear from the environment.

Anti Smog gun works by capturing airborne pollutants with the help of electrostatic technology. This device has an ionization chamber that charges the incoming polluted air. The charged air then passes through a collector plate, which has opposite charge, causing the pollution to stick to the plates. It is designed to create a ultra-fine fog consisting of very fine water droplets(10 Micron size) These tiny water droplets are spread in larger area with the help of high speed fan and absorb even the smallest dust particles in the air, yet fall to the ground without wetness.



The fight against Pollution
isn't just about saving the planet;
it's about securing our **future**

MODEL

QEEMSG-6LC



MULTI FUNCTION WATER SPRINKLER ANTI SMOG & JETTING GUN

Our multi-functional water sprinkler, anti-smog, and jetting gun is a versatile device designed to serve multiple purposes, including controlling dust, suppressing smog, and performing high-pressure jetting operations. This integrated system combines the functionalities of a traditional water sprinkler, an anti-smog gun, and a high-pressure jetting gun, offering a comprehensive solution for various industrial and environmental applications contributing to improved air quality, dust control, and effective high-pressure cleaning operations for civil & industrial drain.

Advantages

- Dust Control and Suppression
- Dust Suppression
- High-Pressure Jetting
- Adjustable Functionality
- Mobility and Versatility
- Water Recycling and Conservation

Application

AIR POLLUTION

Anti smog gun sprays pressurize water droplets in to the air and help PM2.5 & PM10 dust particles settle down.

TOILET CLEANING

Machine inbuilt the high pressure gun cleaning the public toilets/urinals

JETTING

High pressure jetting Unit is capable of de choking block & overflow civil / industrial drains and sewer lines.

HORTICULTURE

Use in horticulture purpose for tree cleaning, sprinkling, Park watering due to water crises.

TECHNICAL DATA

Capacity	From 1KL upto 12KL
Mounted on	Truck Chassis
Material	Mild Steel/Stainless Steel
Drive	Hydro Static
Pump	High Pressure Triplex Plunger
Nozzles	Stainless Steel
Cannon Gun Operation	Hydraulic/Pneumatic
Blowers RPM	2800 @4000 CFM
Hydraulic Motor	Denfoss or Equivalent
Rotation	180°
Control Panel	Driver Cabin
High Pressure Trigger Gun	30-50 Mtrs.
Paint & Design	Customised

Features



"Clean air and *Water*
of effective the dividends
Pollution Control measures

MODEL

QEEMSP-6LC



MULTI FUNCTION WATER SPRINKLER ANTI SMOG GUN WITH AIR PURIFIER

Our multi-functional water sprinkler, anti-smog system with an integrated air purifier is an advanced and comprehensive solution designed to combat air pollution and improve overall air quality. This innovative system combines the capabilities of a traditional water sprinkler, an anti-smog gun, and an air purifying unit to address a wide range of environmental challenges, particularly in urban and industrial areas with high levels of air pollution. It provides an effective and efficient approach to addressing air pollution, dust control, and air purification, contributing to the creation of a cleaner and healthier living environment for communities and industrial areas alike.

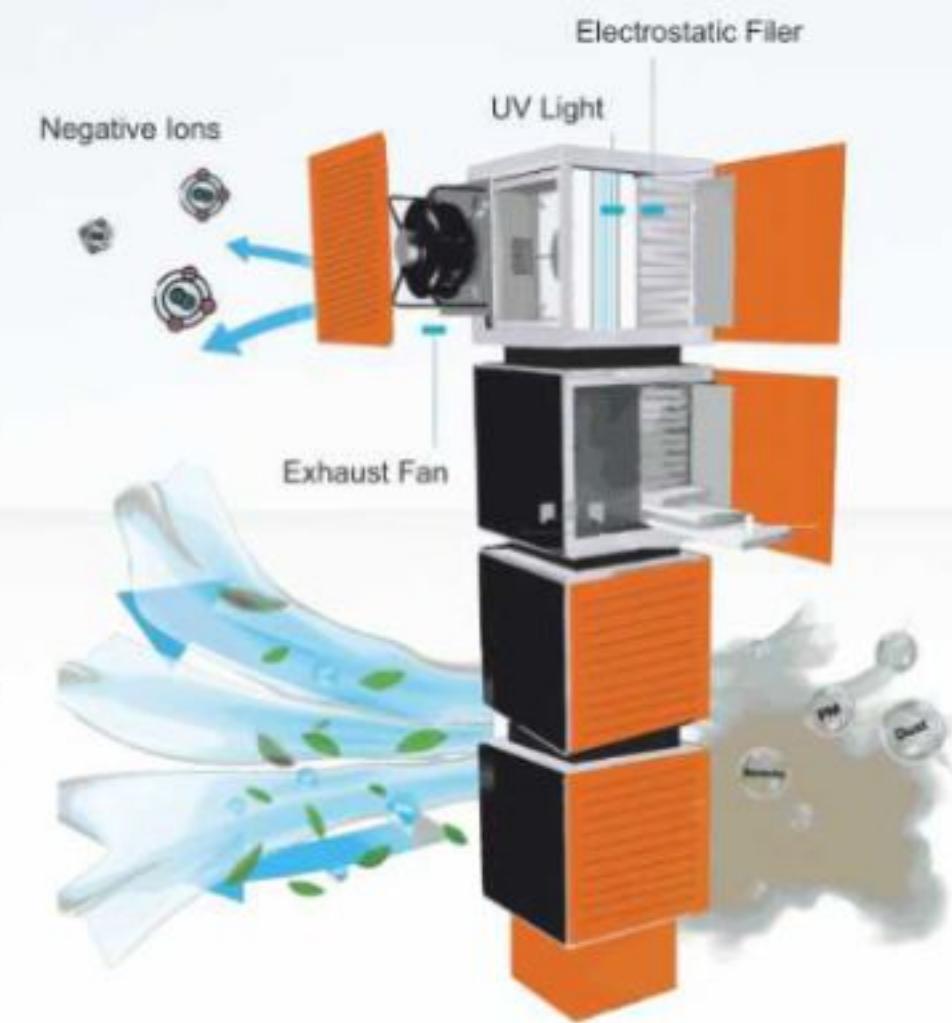
Advantages

- Dust Suppression and Control
- Smog Mitigation
- Air Purification Technology
- Adjustable Settings and Control
- Energy Efficiency and Environmental Sustainability
- Mobility and Flexibility

Invisible Killers – Air Pollutants

Every day, we breathe harmful air when we walk out of our homes and can't see the invisible killers like PM2.5, CO, O3, SO2, and NO2.

PM2.5 Gasoline, oil, wood combustion	CO Vehicle & machinery that burns fossil fuels	O3 Emitted from cars, power plants, industrial broilers
NO2 Vehicles, construction activities, power plants	SO2 High sulfur-containing fuels used in large ships	



Application

AIR POLLUTION

Anti smog gun sprays pressurized water droplets into the air and help PM2.5 & PM10 dust particles settle down.

JETTING

High pressure jetting Unit is capable of de-choking block & overflow civil / industrial drains and sewer lines.

HORTICULTURE

Use in horticulture purpose for tree cleaning, sprinkling, Park watering due to water crises.

TECHNICAL DATA

Capacity	From 1KL upto 12KL
Mounted on	Truck Chassis
Material	Mild Steel/Stainless Steel
Drive	Hydro Static
Pump	High Pressure Triplex Plunger
Nozzles	Stainless Steel 304
Cannon Gun Operation	Hydraulic/Pneumatic
Blowers RPM	2800 @ 4000 CFM
Hydraulic Motor	Denfoss or Equivalent
Rotation	180°
Control Panel	Driver Cabin
High Pressure Trigger Gun	30 - 50 Mtrs.
Paint & Design	Customised

Features



“Let us protect
OUR ENVIRONMENT
Do the **WORLD** a favour and show
it the change you can make.”



MODEL

QEEMFC-10LC



MULTI FUNCTION TRUCK MOUNTED FOG CANON

Our Truck-Mounted Fog Cannon is a versatile piece of equipment commonly used for various industrial, municipal, and environmental applications. It is designed to generate a fine mist or fog, which can be utilized for a range of purposes such as dust suppression, odour control, disinfection, and cooling. This type of equipment is mounted on trucks, making it easily transportable to different locations for efficient and targeted fogging operations. By offering a multi-functional approach to various industrial and environmental challenges, the truck-mounted fog cannon contributes to improved air quality, enhanced sanitation, and more efficient management of dust and odours, ultimately promoting a cleaner and healthier living environment.

Advantages

- Dust Suppression
- Odor Control
- Disinfection and Sanitization
- Cooling and Humidification
- Environmental Remediation
- Adjustable Spray Range and Volume
- Integrated Monitoring and Safety Features:
- Rugged and Durable Design
- Large Tank Capacity:
- Advanced Nozzle System:
- High-Pressure Pump:

Application

AIR POLLUTION

Anti smog gun sprays pressurized water droplets into the air and help PM2.5 & PM10 dust particles settle down.

JETTING

High pressure jetting Unit is capable of de-choking block & overflow civil / industrial drains and sewer lines.

HORTICULTURE

Use in horticulture purpose for tree cleaning, sprinkling, Park watering due to water crises.

TECHNICAL DATA

Capacity	From 1KL Upto 12KL
Mounted on	Truck Chassis
Material	Mild Steel/Stainless Steel
Drive	DG Genset 30-40 KW
Pump	Multi Stage Pump
Nozzles	Stainless Steel 304
Cannon Gun Operation	Control Panel with Remote
Blowers RPM	2800 @ 4000 CFM
Blower Motor	15-30 HP
Rotation	180°
Control Panel	Schneider / L&T
High Pressure Trigger Gun	30 - 40 Mtrs.
Paint & Design	Customised



TROLLEY MOUNTED ANTI SMOG GUN

A trolley-mounted anti-smog gun is a specialized device designed to combat air pollution and improve air quality in urban and industrial areas. It is mounted on a trolley or cart for easy mobility and effective deployment, allowing it to be manoeuvred across different locations to target specific areas affected by high levels of air pollutants, particulate matter, and other harmful contaminants. The anti-smog gun works by emitting a fine mist of atomized water particles that bind with airborne pollutants, facilitating their settlement and removal from the surrounding atmosphere. The trolley-mounted anti-smog gun serves as an essential tool in the ongoing efforts to mitigate air pollution and create healthier living environments, offering a practical and efficient solution for addressing pollution concerns in various industrial, commercial, and urban settings.

Advantages:

- High-Pressure Water Pump
- Adjustable Nozzle and Spray Angle
- Mobility and Flexibility
- Control Panel and Remote Operation
- Effective Dust and Pollutant Suppression
- Environmentally Friendly Operation

Applications:

Trolley For Construction Site, Washing of dust from tree leaves to control ambient dust pollution level.

MODEL
QEEASG-TM



ANTI SMOG GUN MANUAL / SEMI AUTOMATIC

MODEL : QEEFOG	70-100 Mtrs.	40-50 Mtrs.	30 Mtrs.
Equipment Type (i.e., Trolley/post mounted etc.)	Trolley Mounted	Trolley Mounted	Trolley Mounted
Cone Arrangement in front of Fan casing	Conical Casing	Conical Casing	Conical Casing
Canon Rotation	330 deg.	330 deg.	330 deg.
Canon Rotation Mechanism	Hydraulic / Mechanical	Hydraulic / Mechanical	Hydraulic / Mechanical
Tilting Angle	60 deg.	60 deg.	60 deg.
Tilting Mechanism	Mechanical	Mechanical	Mechanical
Blower Capacity	80000 M ³ /hr	50000 M ³ /hr	40000 M ³ /hr
Blower drive	40Kw.	15Kw.	7.5Kw.
Blower rpm	2800	2800	2800
Control Panel	YES	YES	YES
Pump Specifications	15.M ³ @8BAR	5.M ³ @8BAR	2.M ³ @8BAR
Pump Drive, kw rating	4 kw. (3 Phase)	4 kw. (3 Phase)	2 kw. (3 Phase)
Hose Details	Oil resistant synthetic rubber I wire braid reinforcement	Oil resistant synthetic rubber I wire braid reinforcement	Oil resistant synthetic rubber I wire braid reinforcement
Isolation valves	Ball & Globe Valve	Ball & Globe Valve	Ball & Globe Valve
Mist spray nozzles Nos.	30 Nos.	20 Nos.	15 Nos.
Mist Spray nozzle specifications, if applicable	Hollow Cone 2-3 LPM @4-5 Bar	Hollow Cone 2-3 LPM @4-5 Bar	Hollow Cone 2-3 LPM @4-5 Bar
Y-Strainer, if applicable	YES	YES	YES
Water flow rate	7.5 LPM	3.5 LPM	1.5 LPM
Water tank	500 L	500 L	500 L
Electric power supply	440 V	440 V	440 V
Pump Location	Under Fog Cannon	Under Fog Cannon	Under Fog Cannon
Water storage Tank Location	In Built Trolley	In Built Trolley	In Built Trolley
Total Equipment Weight	Empty Weight 1700 kg	Empty Weight 1000 kg	Empty Weight 700 kg



AMPHIBIOUS EXCAVATOR

Amphibious EXCAVATOR

An amphibious excavator is a type of excavator specifically designed to operate in waterlogged environments, marshy areas, and soft terrain. These machines are equipped with pontoons that allow them to float on water, making them ideal for dredging, wetland restoration, and other aquatic construction projects.

KEY FEATURES

- Main Pontoon:**
Large, sealed, buoyant structures that replace the traditional tracks of an excavator, enabling it to float.
- Side Pontoons:**
Additional pontoons attached to the sides of the main pontoons to provide extra stability and buoyancy.
- Hydraulic Spuds:**
Extendable legs that can be deployed to anchor the machine in place for increased stability during operation.
- Long-Reach Boom and Arm:**
Extended reach allows the excavator to work effectively in deep or hard-to-reach areas.
- Swivel Capability:**
The excavator's cab can rotate 360 degrees, providing full operational flexibility.
- Powerful Engine:**
Ensures the machine can handle tough terrains and heavy loads while maintaining efficiency.

APPLICATION

01

Marsh, Wetland And Other Water Operation Projects:

With the aid of our professional amphibious equipment, the excavator can safely and effectively work in ponds, rivers, lakes, coastlines and other terrain operations



02

Dredging Operation:

Desilting operations can be performed using amphibious excavators in challenging aquatic conditions, especially with the operation efficiency is astounding when cutter suction equipment is used.



03

Environmental Service:

Dredging in challenging areas, such as swamps, rivers, etc., management of the natural environment, and bolstering landscape restoration are all ways to effectively build and safeguard the landscape.



04

Public Welfare Disaster Relief:

Products of River Heavy Industry are used for flood management, disaster relief efforts, maintenance, and other purposes



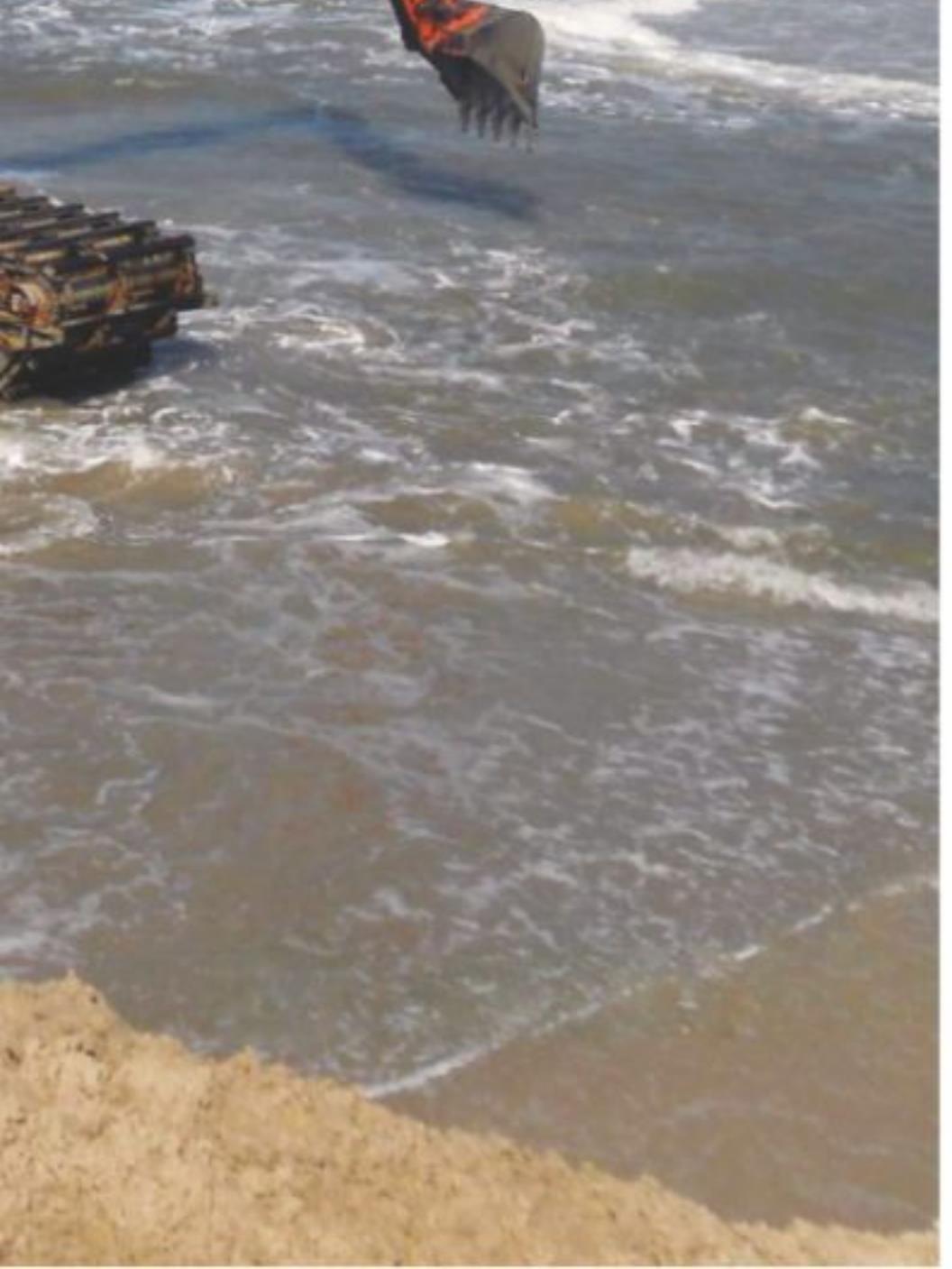
05

Rental Service:

We offer rental services for a number of excavator equipment models to those who may need them.



WORKING SCOPE



PONTOON AMPHIBIOUS UNDERCARRIAGE

THE CENTER FRAME'S HEIGHT IS ADJUSTABLE

Various construction projects may necessitate that the height of the center frame be adjustable or adapted

MAIN PONTOON

For regular operation in shallow water, the pontoon's planned buoyancy can reach the bottom since its weight is less than the weight of the structure.

THE CHAIN PLATE EMPLOYS HG785 HIGH STRENGTH

Wear resistance, and impact resistance.

HEAT -TREATED
HIGH-STRENGTH STEEL
IS USED TO, MAKE
THE TRACK CHAIN.

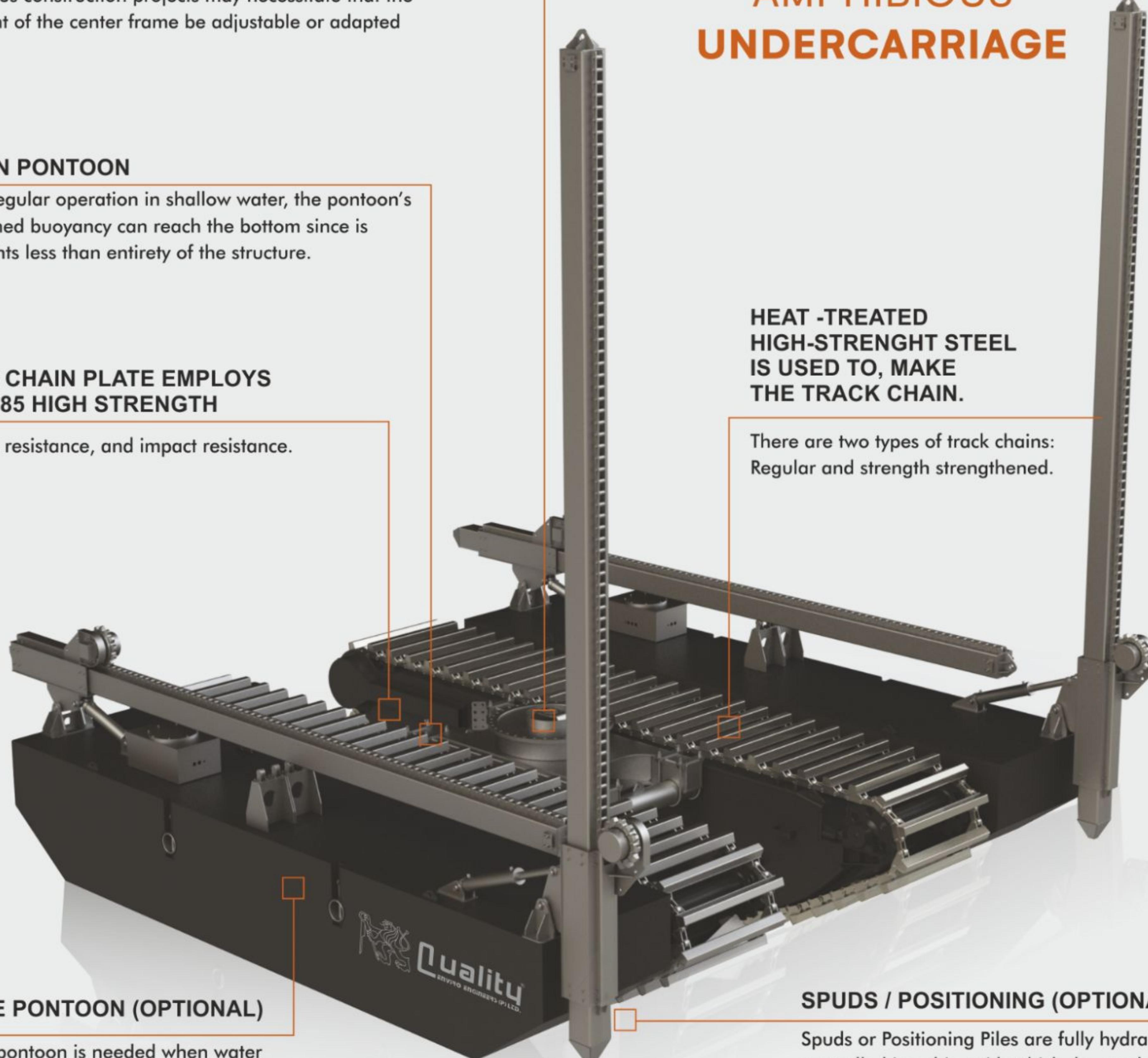
There are two types of track chains:
Regular and strength strengthened.

SIDE PONTOON (OPTIONAL)

Side pontoon is needed when water depth exceeds the height of main pontoon.
Only 10 minutes for the installation of side pontoon

SPUDS / POSITIONING (OPTIONAL)

Spuds or Positioning Piles are fully hydraulically controlled in cabin, with which the machine is allowed to work in 2-5 meters deep water



LIQUID WASTE MANAGEMENT



Liquid waste management involves the collection, treatment, and disposal of various forms of liquid waste, including wastewater, sewage, industrial effluents, and hazardous liquids. It encompasses a range of processes and strategies aimed at minimizing the environmental impact of liquid waste and ensuring the protection of public health and the ecosystem. Effective liquid waste management practices are essential for maintaining water quality, preventing waterborne diseases, and preserving the natural environment.

SUPER SUCKER MACHINE WITH DUMP TANK

SUPER SUCKER WITH AUXILIARY ENGINE

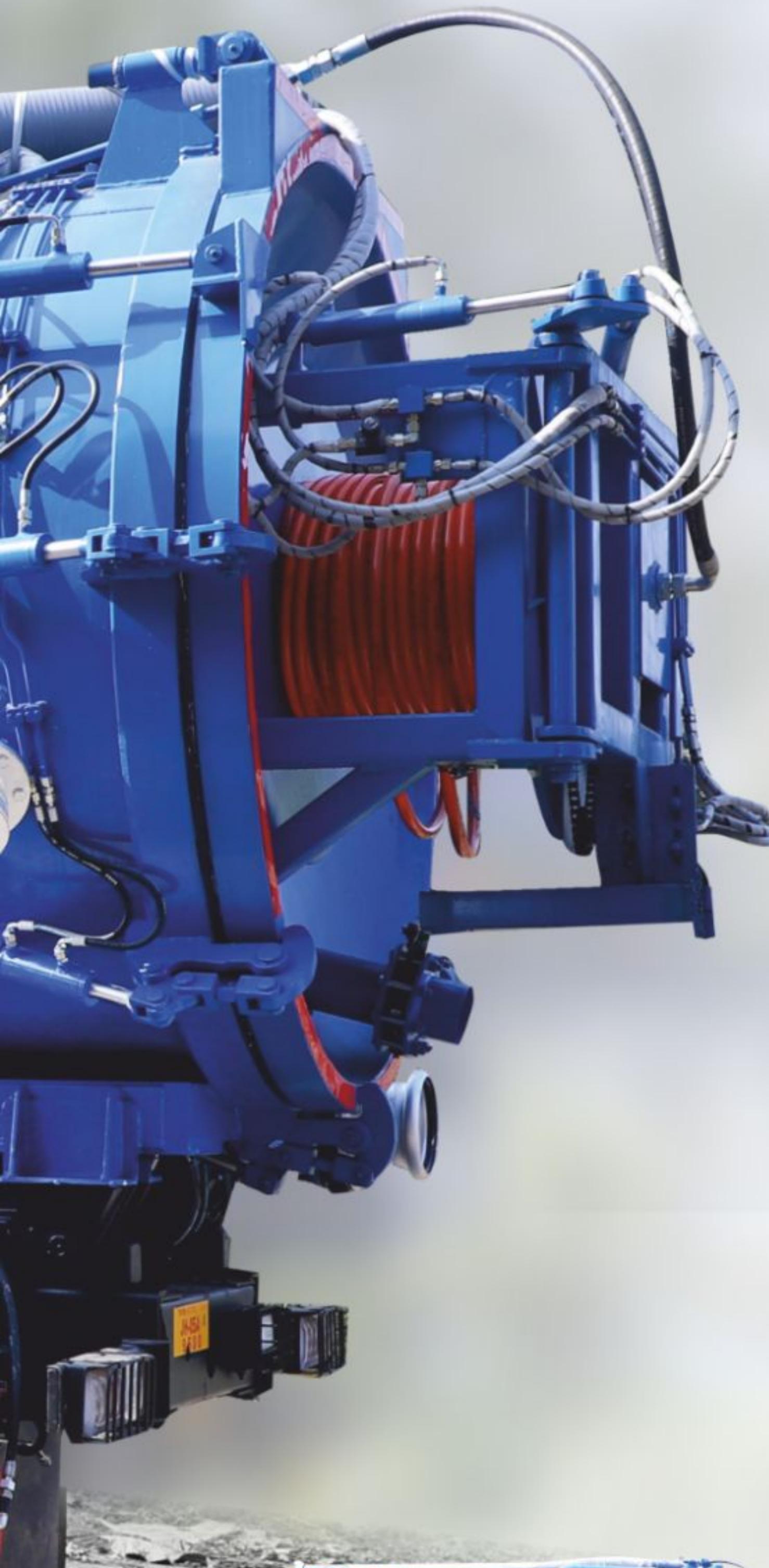
A super sucker machine with dump tanks is a specialized vehicle commonly used for the efficient cleaning and removal of various types of sludge, solids, and debris from industrial tanks, sewers, and other confined spaces. These powerful vacuum trucks are equipped with high-capacity vacuum systems and dump tanks, enabling the safe and effective suction and disposal of hazardous and non-hazardous materials in industrial and environmental cleaning operations.



QEEHF-10LCH



Function



SUPER SUCKER

Advantages

- Two separate tanks are provided i.e. one for fresh water and other for sludge.
- This machine can carry out both the operations of suction as well as jetting.
- The operation is the same as that of individual High Pressure Jetting Machine.
- Individual Suction Machine with Blow Operation i.e. of Muljet and Gully Man.

TECHNICAL DATA

Vacuum Capacity	From 3000 upto 9000 cum
Dump Tank Capacity	10 cubic meters
Discharge Pressure	1.5 bar
Suction Depth	8 meters
Hose Reel Length	120 meters
Filtration System	Cyclonic and Baghouse
Safety Features	Overflow protection, emergency shut-off valves
Chassis Type	Heavy-duty truck chassis
Engine Power	120HP Upto 300HP
Tank Material	High-grade corrosion-resistant steel
Dumping Mechanism	Hydraulic Control
Control System	Manual and automated control options
Filtration Efficiency	99% or higher for particulate matter
Water Jetting System	High-pressure water jet for cleaning and dislodging
Hose Diameter	6 inches (or as per the specific model)



TRUCK MOUNTED SEWER SUCTION CUM JETTING MACHINE / SUCTION MACHINE

Sewer Suction Cum Jetting Machine Is Used For Cleaning Of Sewer Lines By Sucking Out The Dirt From Chamber Into Its Tank As Well As Clear The Blockage / Choke Of Sewer Lines By High Capacity Jetting Throw Of Liquid. They Are Being Manufactured With High Capacity Split Tanks, Jetting Pump, Vacuum Pump & Others With Highly Reliability, Superior Quality.



QEE SJ - 6LCH



QEE S - 8LCH



QEE SJM - 4LCH

Advantages

- Two separate tanks are provided i.e. one for fresh water and other for sludge.
- This machine can carry out both the operations of suction as well as jetting.
- The operation is the same as that of individual High Pressure Jetting Machine and
- Individual Suction Machine with Blow Operation i.e. of Muljet and Gully Man.

TECHNICAL DATA

Chassis	7 Ton, 9 Ton, 12 Ton, 16 Ton, 25 Ton/trailer Etc.
Tank Size	4000 Ltrs, 6000 Ltrs, (8-20 KI Or Customized Tanks)
Sheet Material	Mild Steel (IS:2062)
Thickness	5 mm, 6 mm or As Per Requirement
Vacuum Pump	M/s Jurop, Italy / Battioni Pagani Italy
Jetting Pump	M/s Pratissoli, Italy / Equivalent Make (70 –260 Lpm)
Hoses	Hose Heavy Duty (upto 5" & 15 Mtrs) Jetting House High Pressure (upto 1¼" & 60mtrs) Washing Hose With Gun (½" & 10mtrs) Optional
Power Take Off	Vas/eq. With Upto 400kgm Capacity Suitable Power Transfer Ratio To Drive Pumps
Hydraulic Cylinder	1 Nos. For Tank Tipping & 2 Nos. For Door Opening
Hydraulic Pump	Gear Pump (40-80 Lpm)
Hydraulic Motor	60-160 CC

TRACTOR MOUNTED SEWER SUCTION CUM JETTING MACHINE / SUCTION MACHINE

Tractor Mounted Sewer Suction Cum Jetting Machine A tractor-mounted sewer suction cum jetting machine is a specialized equipment designed for comprehensive cleaning and maintenance of sewer lines and drainage systems. this equipment offers a comprehensive solution for efficient, thorough, and cost-effective cleaning and maintenance of sewer systems in diverse environments, contributing to improved public health, environmental protection, and infrastructure longevity.

QEEJET - 3LT



QEEVAC-3LT



QESJT-3LT



Advantages

- Two separate tanks are provided i.e. one for fresh water and other for sludge.
- This machine can carry out both the operations of suction as well as jetting.
- The operation is the same as that of individual High Pressure Jetting Machine and
- Individual Suction Machine with Blow Operation i.e. of Muljet and Gully Man.

TECHNICAL DATA

Chassis	Trailer Mounted
Tank Size	3000 - 5000 Ltrs,
Sheet Material	Mild Steel (IS:2062)
Thickness	5 mm, 6 mm or As Per Requirement
Vacuum Pump	M/s Jurop, Italy / Battioni Pagani Italy
Jetting Pump	M/s Pratissoli, Italy / Equivalent Make (70 –260 Lpm)
Hoses	Suction Hose Heavy Duty (upto 3"dia , Length 15 Mtrs.) Jetting Hose High Pressure (upto 3/8" & 60mtrs)
Power Take Off	Vas/eq. As per requirement
Hydraulic Cylinder	2 Nos. For Door Opening
Hydraulic Pump	Tractor PTO
Hydraulic Motor	Jetting Hose Reel

SOLID WASTE **CONTROL** MANAGEMENT

Solid waste refers to any discarded materials or substances that are no longer useful or needed and are typically disposed of by households, commercial establishments, industries, and institutions. These wastes can come in various forms and may include both organic and inorganic materials. Solid waste can be categorized into different types based on its composition and origin, including but not limited to Municipal Solid waste, industrial, commercial, construction & demolition and biomedical.

Effective management and disposal of solid waste are essential to prevent environmental pollution, minimize health risks, and promote sustainable waste management practices. Proper waste management strategies, including recycling, composting, and waste-to-energy conversion, are crucial for reducing the volume of solid waste sent to landfills and mitigating the environmental impact of waste disposal.

About The **Solid Waste**

Solid waste management systems typically involve different stages, starting from the collection to the treatment and effective disposal of the wastes without polluting the ecosystem. We basically deals in :

Waste Collection: The system includes the organized collection of solid waste from different sources, often through the use of waste bins, dumpsters, or specialized collection vehicles, to ensure proper and timely waste removal from residential and commercial areas.

Transportation and Transfer: After collection, the solid waste is transported to transfer stations or processing facilities for further sorting, treatment, or disposal. Efficient transportation mechanisms are essential to minimize the environmental impact and reduce transportation costs.

“Ek Kadam
Swachhata Ki Aur”

Plant a Seed of Change _____
_____ Join the Green Revolution



REFUSE COLLECTOR / COMPACTOR / UNDERGROUND BINS

Our refuse collector or compactor is a specialized vehicle designed for the collection, transportation, and compaction of solid waste, such as household and municipal waste. These vehicles are essential for efficient and sanitary waste management in urban and suburban areas. They help reduce the volume of waste and make it more manageable for disposal or recycling.

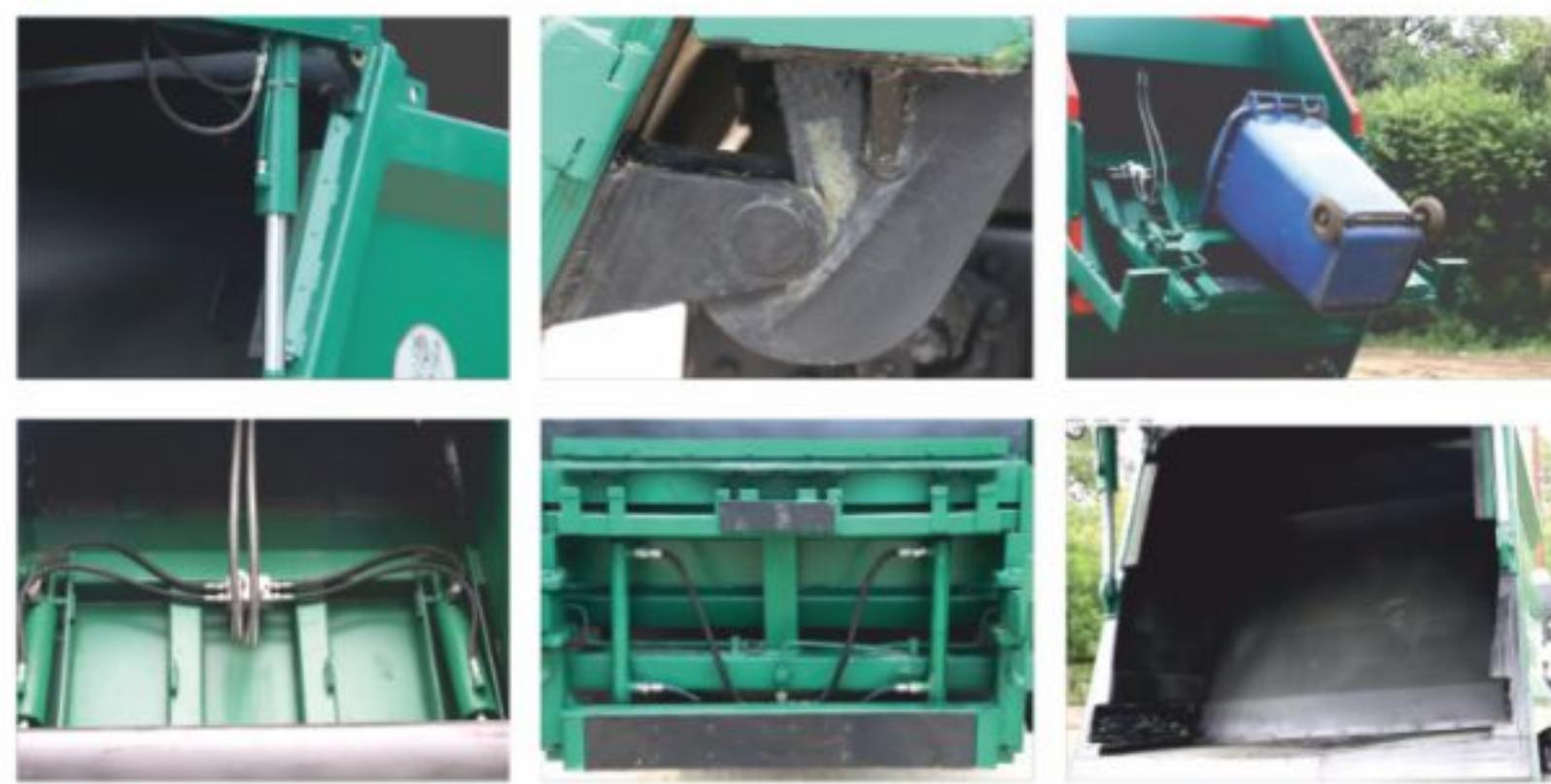
Refuse collectors and compactors play a crucial role in maintaining cleanliness in urban areas, reducing waste volume, and facilitating proper waste disposal or recycling. They are an essential component of municipal solid waste management systems and help ensure a cleaner and more sustainable environment.



QEEPAC - 14M³



Function



Advantages

- Collection Mechanism
- Compaction System
- Storage Capacity
- Hydraulic System
- Safety Features
- Dumping Mechanism
- Automation

TECHNICAL DATA

Chassis	12 Ton, 16 & 28 Ton GVW Truck
Body Size	7cum Upto 28 Cum
Sheet Material	IS:2062 Grade (A)
Thickness	6mm
Lifting Type	Universal Bin Lifter
Hydraulic Cylinder Make	Dental / ISO Reputed
Hydraulic Pump	Gear / Van Type
Hydraulic Hoses	Parker/ Gates / Semprit
Power Take off	Inter pump Spa Italy
Hydraulic Tank	110-200 Ltrs. capacity
Operational	Manual / Semi automatic / Fully Automatic



Quality Engineering & Manufacturing Company



MODEL:
QEEPHL-16 CUM



PORTABLE COMPACTOR WITH HOOK LOADER & SOLID WASTE TRANSFER STATION

A portable compactor with a hook loader, often referred to as a hook lift compactor or roll-on/roll-off compactor, is a waste management solution designed to compact and contain large volumes of solid waste. This type of compactor is particularly useful for commercial and industrial applications where significant amounts of waste need to be managed efficiently.

Some of the major components of Hook Loader are compaction units, hook loader system, hook lift truck, loading access, container structure, hydraulic controls, safety features, telemetry & monitoring.

Advantages

Containers of 14 to 20 cubic meters are placed at different fixed transfer stations. Garbage is collected throughout the city with the help of light vehicles such as small capacity Tippers, Dumper placers etc. This garbage is transferred to these bigger containers. Hook-Loader lifts these containers and carriers to garbage dumping ground for emptying.

Application

- Commercial and Industrial Waste Management:
- Construction Sites:
- Municipal Waste Collection:
- Event Management:
- Renovation Projects:

Portable compactors with hook loaders provide an effective and versatile solution for managing large volumes of waste in various settings.

Benefits

- Efficient Waste Compaction:
- Mobility and Flexibility:
- Cost Savings:
- Space Savings:
- Environmental Impact:

TECHNICAL DATA

Code	QEEPHL
Chassis	16 Upto 28 Ton or Customized
Booms	Heavy Duty Booms of CRC/Eq. Sheets
Arrangement	Hydraulic Cylinder of High Load capacity, Hydraulic Pump & others Efficient Controlling systems to easy lifting of Big Size containers from one place to others.



AUTO COLLECTOR / TIPPER HOPPER TIPPER DUMPER

Hopper tipper dumper is a modern and sophisticated design mini garbage collector. It is equipped with a wide range of products that offers customers with best in class solution. It is easy to dump the garbage on the ground with the use of this mini-van. It adds with auto remover with garbage cleaning capacity. The dumping height from the ground to 1000 mm / 1200 mm. It offers fast operation with reliability.

QEETP-1.8 CUM



QEETP- 1 CUM

Salient Features

- this equipment can dump the garbage on the ground, as well as direct into a collector and also in the refuse collector
- the capacity of the auto remover is 1.0 cubic meters volumetric capacity hopper.
- the dumping height from the ground is 1000mm / 1200mm.
- it facilitates faster operation.

Advantages

- The Number of Trips can be increased .
- It is totally hygienic and thus, much safer it can easily move in narrow lanes it provides company covered transportation multiple handling is not required.
- the segregation of garbage can take place at the source i.e dry/wet, organic/inorganic.

Application

- Small townships, city councils and Big Factories
- Direct emptying into container or into refuse collection.

Specification

Capacity : 1.2/2/4M3 Side / Top : 16 GMS Sheet
Bottom : 14 GMS Sheet Door : 18 GMS Sheet



QEECTP - 4m³

QEECTP - 2m³

QEECTP - 1.2m³

QEECTP - 1.2m³

DUMPER PLACER GARBAGE COLLECTION BIN

Dumper Placer & Hopper Tipper Dumper is a modern and sophisticated design mini garbage collector. It is equip with widest range of products that offers customers with best in class solution. It is easy to dump the garbage on ground with the use of this mini-van. It adds with auto remover with garbage cleaning capacity. The dumping height with the ground to 1000 mm / 1200 mm. It offers fast operation with reliability.



QEEDP-6 CUM



QEEDP-2 CUM



QEEDP-4.5 CUM

Advantages

- Carrying Waste Material containers of different sizes.
- It is a unique, highly productive, easy operational and low maintenance, hygienic system to help in keeping a city clean.
- Better waste Handling Equipment vehicle in its range of products.
- Heavy duty cylinders to carry heavy containers safely in very less time.
- Optimum Loading & through heavy duty Unloading hydraulic ability hoses, Pumping system and safety devices like load holding valve, pressure & safety valve etc.
- Hydraulically arrangement for Lifting system with the help of Control lever for minimize the human efforts & time.
- Arrangement for stabilizing of vehicle with stabilizers for better Strength & Rigidity at the same time of heavy operation.
- Suitable for Municipalities, Building Developments as well as Individual.

TECHNICAL DATA

Chassis	From 2 Ton upto 16 Ton
Sheet Material	Steel (IS:2062)
Thickness	5-6 mm
Lifting Size (Cum)	1.8 Cum Upto 12 Cum
Hydraulic Cylinder Make	Dental / ISO Reputed
Hydraulic Pump	High Pressure Hoses
Hydraulic Hoses	Parker / Gates / Semprit
Power Take off	Inter Pump
Hydraulic Tank	50 - 100 Ltrs. / Suitable
Lifting System	Manual

ROAD SWEEPER MACHINE

Road sweeping machines are specialized vehicles designed for the efficient cleaning and maintenance of roads, streets, and other paved surfaces. They are essential for removing debris, dirt, leaves, and other waste materials from urban and suburban areas, ensuring cleaner and safer environments for pedestrians, motorists, and the community at large. These machines come in various configurations and sizes, each tailored to specific cleaning requirements and environmental conditions.

QEESWEEP-2M³



QEESWEEP-6.5M³



QEESWEEP-.5M³



QEESWEEP-4M³



TECHNICAL DATA

Sweeping Width	2.5 Upto 7 Meters
Sweeping Speed	10 km/h
Hopper Capacity	2.5 cum Upto 6.5 Cum
Dumping Height	1.8 meters
Engine Power	Upto120HP
Water Tank Capacity	100 Upto 800 liters
Fuel Tank Capacity	100 Upto 250 liters
Control System	Manual and Automated
Brush	Nylon / Metal
Operation & Control	Driver Cabin

Applications

Road sweeping machines find extensive use across various industries and urban environments. Some of the prominent industrial applications include:

- Highways
- Municipalities
- Construction Sites
- Airports
- Industrial Complexes
- City Road
- Parking Lots
- Event Management

SELFLOAD

Road Sweeping Machine: The introduction of these machines has revolutionized the road construction industry and simplified the innumerable tasks that earlier needed many road sweepers to complete the needed work. These are highly specialized and efficient machines, which have a huge market demand and therefore have a great relevance in the industry. Their container capacity ranges from 2000Ltrs up to 5500 Ltrs.



QEESP- 3 CUM



RIDEON

A ride on sweeping machine represents the pinnacle of efficiency and convenience when it comes to maintaining clean and debris-free surfaces. Quality Enviro ride-on sweeper is fit for sweeping large warehouses, parking lots, etc. The side brushes will accumulate the waste to the middle position, and the main brush will collect it to the waste hopper. In the ride-on sweeper, brushes can be controlled manually. An enlarged filter will clean up dust perfectly.

FEATURES

- **Operator Cab:** A comfortable cab where the operator sits and controls the machine.
- **Brooms and Brushes:** Rotating brushes that sweep debris into the collection system. Typically, there are side brooms to clean edges and a main broom for the central path.
- **Vacuum System:** A vacuum mechanism that sucks up fine particles and debris.
- **Water Sprinklers:** To control dust by spraying water ahead of the brooms.
- **Debris Hopper:** A container where the swept debris is collected and stored until it can be dumped.
- **Hydraulic Systems:** For raising, lowering, and adjusting the brooms and other moving parts.
- **Engine:** A robust engine to power the sweeping mechanisms and the vehicle itself.



QEERDS-2L

Truck Mounted High Rise Aerial / Rescue Platform

A ladder lift truck, also known as a ladder lift or aerial lift truck, is a specialized vehicle equipped with an extendable ladder or lift mechanism. These trucks are designed to provide safe and efficient access to elevated work areas, making them essential for various industries such as construction, utilities, firefighting, and maintenance.

Here Are Some Key Features

- **Extendable Ladder or Boom:**

The primary feature is the extendable ladder or boom, which can be raised and extended to reach considerable heights.

- **Stability Mechanisms:**

- Outriggers or stabilizers are often used to ensure the truck remains stable while the ladder or boom is extended.

- **Hydraulic System:**

Most ladder lift trucks use a hydraulic system to extend and retract the ladder or boom smoothly.

Uses

- **Construction and Maintenance:**

Ladder lift trucks are used to access high points on buildings for tasks such as painting, window cleaning, and installation of signage or lights.

- **Utilities:** They are crucial for repairing and maintaining overhead power lines, streetlights, and other utility structures.

- **Firefighting:**

Fire departments use ladder lift trucks to rescue people from high-rise buildings and to direct water streams at elevated locations during fires.

- **Platform or Basket:**

At the top of the ladder or boom, there is usually a platform or basket where workers can stand and safely perform their tasks.

- **Controls:**

The lift can be controlled from the ground or from the basket/ platform, allowing workers to adjust their position as needed.

- **Safety Features:**

These include harness attachment points, emergency descent systems, and load limit indicators to ensure the safety of the operators.

- **Tree Care:**

Arborists use these trucks to trim or remove trees, especially those that are tall or in difficult-to-reach locations.

- **Film and Media:**

In the film industry, ladder lift trucks are used to position cameras and lighting equipment at high angles for better shots.



TEL
LIFT



LADDER LIFT TRUCK upto 65 Mtrs.

ESCOPIC
TRUCK
upto 45 Mtrs.



NALA / OPEN DRAIN CLEANING MACHINE

- We Are Manufacturing Highly Productive Nala Cleaning Machine That Are Used To Providing The Cleaning Facility of Open Nala & Other Waste Yard.
- They Are Being Manufactured With High Quality Materials, Reliability, Superior Hydraulic System & Utilization For It Send Use.
- One System can easily handle Lifting, Shifting & Dumping during working hours It facilitates safe and hygienic collection storage and larger volume garbage transportation.
- Fast Operation.

QEEESCOOP - 0.5LC



QEEESCOOP-3LT

Advantages

Trailer Mounted Nala Cleaning Machine. This machine is made available in various sizes and shapes. Moreover, clients can opt for different dimensions according to the specific business needs. In addition, machine offered by us has gained high appreciation among our clients. Besides, clients can avail the machine from us at cost effective rates.

TECHNICAL DATA

Chassis	Trailer / chassis mounted or Customized.
Body Size	Customised
Outreach	3 Mtr. Upto 12 Mtr.
Depth	1.5 Mtr. Upto 8 Mtr.
Sheet Material	Mild Steel Sheets IS 2062 Grade - A Etc.
Thickness	3mm Upto 6mm
Hyd. Cylinder	Suitable as per Application
Axle & Wheels	Heavy Duty Rigid Axle with 1 Nos. of 2 nos. Wheel
Hydraulic Pump	40-80 LPM
Hydraulic Pipes	High Pressure Hoses or Pipelines Provides
PTO Gear Box	Suitable Power to drive system
Arrangement	Fully Hydraulic system provides the optimum cleaning of Nala and Dump yard by help of Hydraulic system operated by Control Valves to minimize the Human efforts & wastes.



QEEESCOOP - 200LC

SKY LIFT / HYDRAULICS ACCESS PLATFORM

- Sky lift is also known as automatic lifting machine for maintenance purposes in different sections such as municipalities works, Highways, Building Glass Cleaning & Constructions, Street Lights, Tree Pruning & Etc.
- They are being manufactured with High Strength, Reliability, Superior Quality & Better utilization for its end use.

QEESL - 9 MTR.

QEESL - 11 MTR



QEESL - 13 MTR.



Advantages

- It's unique, easy operational, low maintenance & Fool Proof system helps in keeping all operations safe.
- Safe load Handling capacity upto 250Kg of FRP Bucket & Insulation of cage to minimize the accident sand make the operation easy.
- Heavy duty cylinders to carry bucket that is attached with Booms on a required height safely in very less time.
- Optimum Lifting & Lowering ability through heavy duty hydraulic cylinders, hoses, Motor, Pump and safety devices like pilot check valve, pressure relief valve, manual hydraulic pump etc.
- Hydraulically arrangement for system with the help of Control lever for minimize the lifting time.
- Arrangement for stabilizing of vehicle for better Strength at the time of operation.

TECHNICAL DATA

Chassis	TATA / LAYLAND / EICHER / Etc.
Size Available	7 Mtr, 9 Mtr, 11 Mtr, 14 Mtr, 16 Mtr Or Customized.
Sheet Material	High Tensile Steel
Thickness	5mm - 6mm
Bucket	600 Watt Insulated Material With Single Person Or Two Person.
Hydraulic Cylinder	Dantal / Hitech / QEEPL
Hydraulic Pump	20-80 LPM
Hydraulic Motor	50-200 CC High Pressure Hoses
Hydraulic Hoses	Parker / Gates / Semprit
Power Take Off	Suitable Power Transfer Ratio From Gear Box To Drive Shaft
Hydraulic Tank	20 to 80 Litres
Slewing	360°

CATTLE CATCHER

A cattle catcher, also known as a cattle grid or cattle guard, is a type of barrier designed to prevent livestock, particularly cattle, from crossing a road or entering a specific area. It consists of a grid of metal bars or pipes placed over a pit or trench. The design of a cattle catcher is intended to allow wheeled vehicles, such as cars and trucks, to pass over it easily while acting as a deterrent to livestock attempting to cross.

Advantages

- Livestock Control
- Improved Road Safety
- Uninterrupted Vehicle Passage
- Low Maintenance
- Cost-Effective
- Reduced Wear and Tear on Gates
- No Human Intervention Required
- Environmentally Friendly
- Deterrent Effect
- Durability



RECOVERY VEHICLE

A recovery vehicle, also known as a tow truck or breakdown truck, is a specialized vehicle designed for the recovery and transportation of disabled or damaged vehicles. These vehicles play a crucial role in roadside assistance, vehicle rescue operations, and the transportation of vehicles involved in accidents.

Advantages

- Livestock Control
- Improved Road Safety
- Uninterrupted Vehicle Passage
- Low Maintenance
- Cost-Effective
- Reduced Wear and Tear on Gates
- No Human Intervention Required
- Environmentally Friendly
- Deterrent Effect
- Durability



TREE AMBULANCE

A tree ambulance is a vehicle outfitted with tools and materials to care for sick or injured trees. The concept originated in India, and there are tree ambulance programs in cities like Delhi and Ghaziabad. Tree ambulances aren't like regular ambulances that transport patients to hospitals. Instead, they carry professional arborists who can diagnose and treat trees on-site.

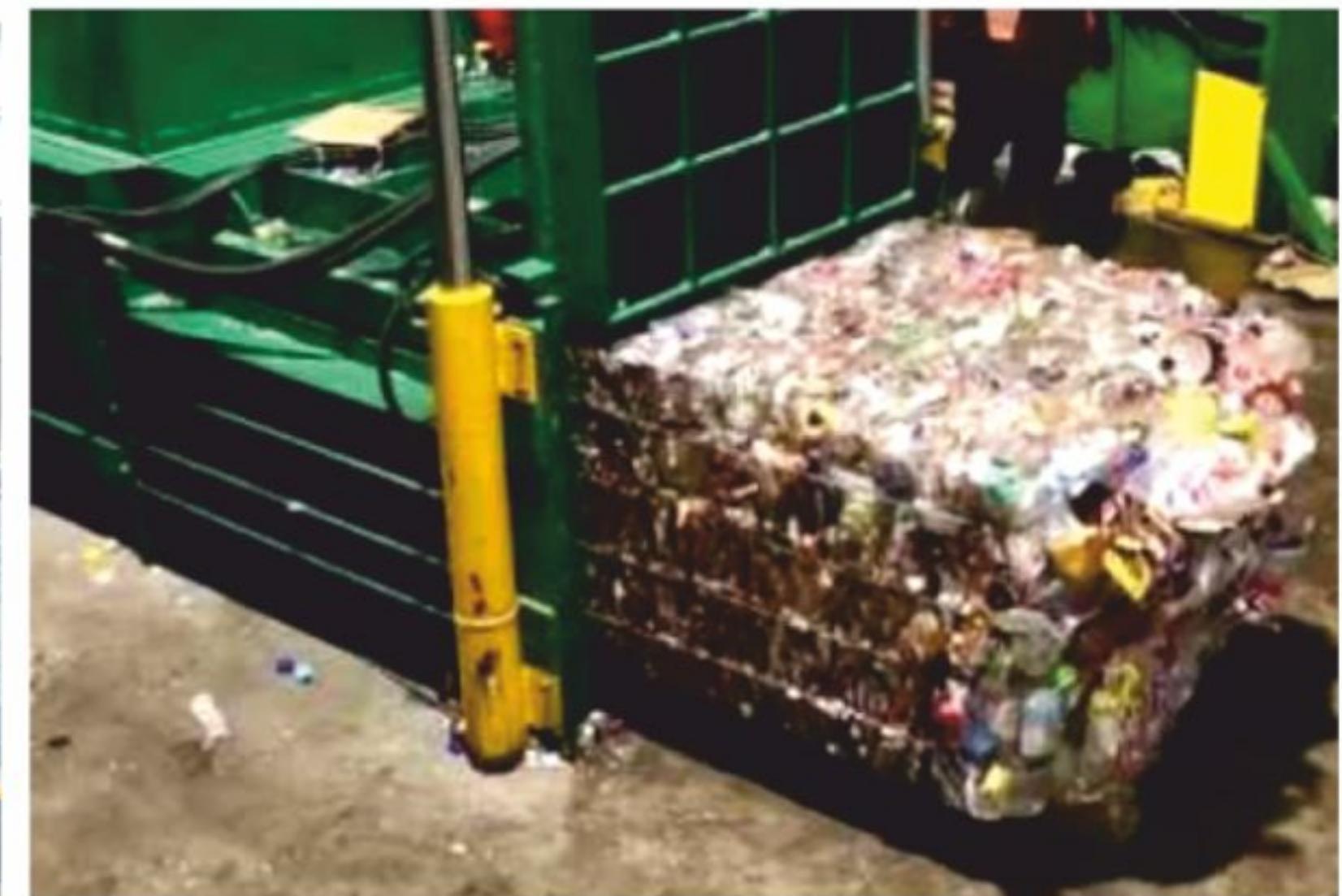
Advantages

Treating tree diseases and pests they carry tools and supplies to diagnose and treat diseases and pest infestations like termites, using methods like insecticides and fungicides Tree surgery for hollow trunks or damaged branches, they might carry equipment for cleaning and applying treatments to the affected areas.

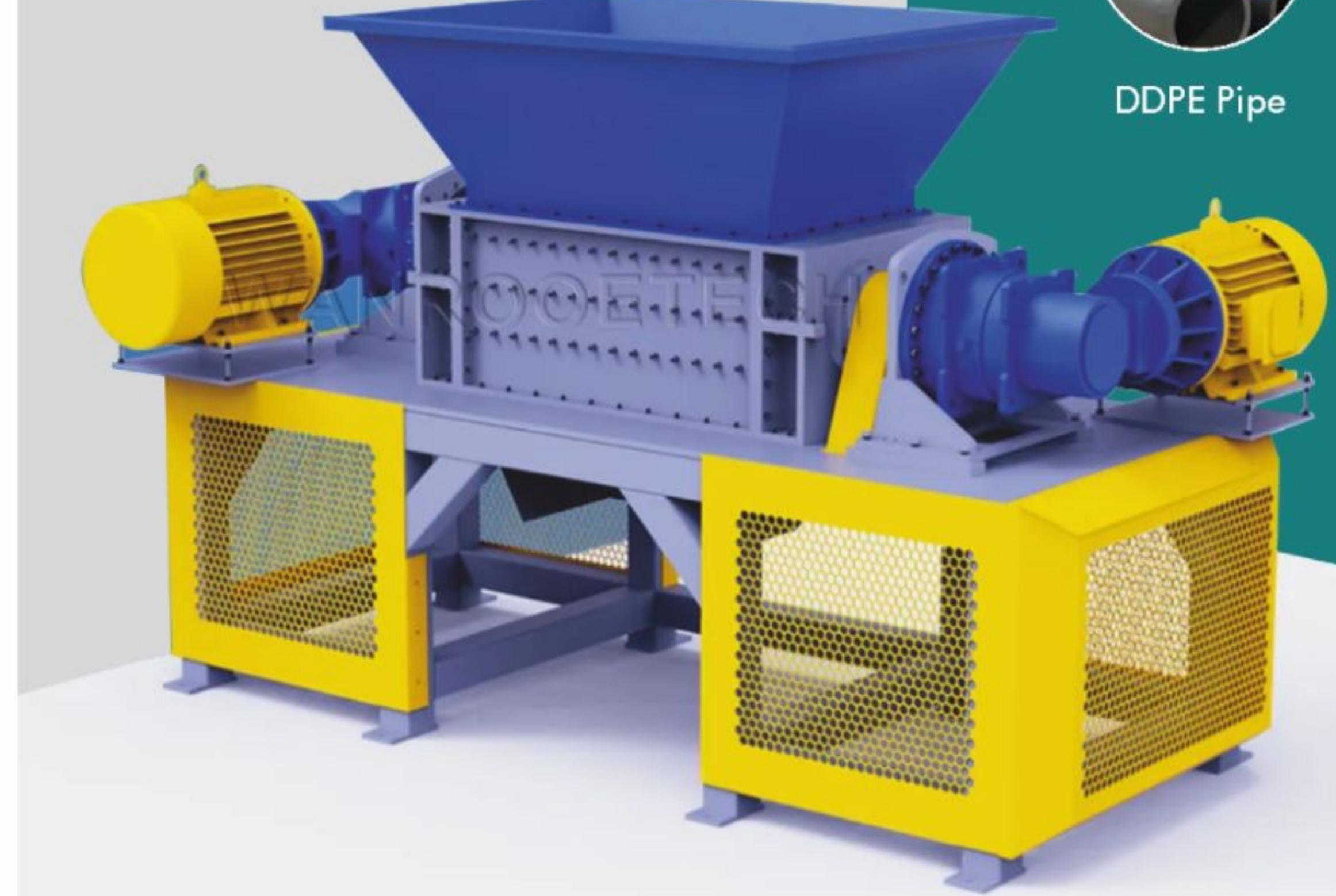


WASTE SEGREGATION EQUIPMENT

Waste sorting plant in, which is also called garbage sorting machine, provides higher efficient sorting process to sort out the mixed waste with the higher collection rate. Through the advanced sorting process, the mixed municipal solid waste can be classified into several types of materials, including plastic and paper, organic waste, brick and stones, metal, and other combustible waste.



SHREDDER MACHINE



MOBILE & PORTABLE TOILET / URINAL

Mobile toilets are sanitation facilities integrated into vehicles, often mounted on trailers or trucks, to provide portable and flexible restroom solutions in various settings. These units are commonly used at events, construction sites, outdoor gatherings, and locations where a temporary or movable restroom is needed. Here are key features and considerations for mobile toilets:

QEEMT-10ST



QEEMT-4ST



QEEMT-6ST



QEEPT-FRP



QEEPT-MD



QEEPT-2MD



QEEPT-2WST



WATER TANKER

We are manufacturer & supplier of premium quality Water Storage Tank. Latest production techniques, use of excellent raw material combined with innovative styling & designing has made this product reach the pinnacle where it is today. Our 500 upto 10000 Liters SS and MS Water Storage Tank comes with a modern design making it efficient and maintenance free for a long time. It maintains temperature of ground & supply water and does not emit any foul smell even after long use.

QEEWTSS-4LT



QEEWT-3LT



FOGGING MACHINE

A fogging machine, also known as a fogger, manufactured by us, is a device that emits a fine spray or fog of liquid substances, typically used for pest control, disinfection, and sanitation purposes. These machines are widely employed in various settings, including residential, commercial, and agricultural applications, to control the spread of insects, pests, and disease-causing pathogens. Fogging machines are available in different types and sizes, each designed for specific uses and environments.

E-Rickshaw Installation Fogging Machine



Technical Data

Fuel Consumption Petrol	: 3.3 Lit. /hour
Diesel Consumption	: 85 Lit. / Hour
Application Rate	: 25 To 40 Lit. / Hour
Weight	: 45 Kg (empty).
Mounted	: 3 Wheeler / Tata Ace / Tractor Trolley
Operating Power	: Chassis / Tractor Battery

Features

- Disinfection and Sanitization
- Pest Control
- Agricultural Use
- Public Health Management
- Indoor and Outdoor Applications



Usage

Used for sanitation and epidemic prevention in House, Garden, Hospital, Restaurant, Hotel and other public places.

Fogging machines are effective tools for maintaining a clean and healthy environment, preventing the spread of diseases, and ensuring the well-being of both humans and animals. By leveraging the technical capabilities and diverse applications of fogging machines, industries and communities can effectively manage pest control, disease prevention, and sanitation, promoting a healthier and safer living environment for all.



QEEFOG - 2000N



QEEFOG - 2000NK



K - 10 SP



QEEFOG - 2000NK-M

E-RICKSHAW DUSTBIN

Quality Enviro Engineer's designed "e-rickshaw dustbin" is a specialized waste management solution designed to be integrated into electric rickshaws, commonly known as e-rickshaws. The primary purpose of an e-rickshaw dustbin is to promote cleanliness in urban and crowded areas by providing a convenient and efficient way to collect and manage waste generated during e-rickshaw rides. This eco-friendly initiative aims to address the issue of littering and contribute to a cleaner environment. Here are some key features and benefits of an e-rickshaw dustbin



CODE : QEE TP
(Capacity 350-800 Ltr.)



CODE : QEE CR
(Capacity 200-800 Ltr.)

DUSTBIN

Dustbins, also commonly referred to as trash cans, waste bins, or garbage bins, are containers designed for the collection and disposal of waste materials. These containers play a fundamental role in maintaining cleanliness, hygiene, and waste management in various settings, including homes, offices, public spaces, and industrial facilities. Based on capacity, material, design, shape, mobility, compartmentalisation, pedal mechanism, lids & covers, outdoor durability, place of usage, waste segregation, cleaning and maintenance, and regulatory compliance here are different types of dustbins we do have in our product portfolio:

MS DUSTBIN SERIES



Code : QEE DP BIN
Capacity 250-6000 Ltr.



Code : QEE DP BIN
Capacity 250-6000 Ltr.



Code : QEE RC BIN
Capacity 500-1100 Ltr.

PLASTIC DUSTBIN SERIES



CODE : QEE SB BIN
(Capacity 10 Ltr.)



CODE : QEE SB BIN
(Capacity 60 Ltr.)



CODE : QEE DH BIN
(Capacity 40-300 Ltr.)



CODE : QEE DH BIN
(Capacity 40-300 Ltr.)

QUALITY & COMMITMENT

At Quality Enviro Engineers, our commitment to quality is unwavering. We take pride in delivering products/services that reflect the highest standards of craftsmanship, innovation, and reliability. Our dedication to quality is ingrained in every facet of our operations, from meticulous sourcing of materials to the final delivery of exceptional products.

We adhere to rigorous quality standards at every stage of production, ensuring that our products meet or exceed your expectations with Uncompromising Standards, Continuous Improvement, Customer Satisfaction, Transparent Practices and Skilled Craftsmanship.

OUR CERTIFICATION AFFILIATIONS

At Quality Enviro Engineers, we are proud to hold industry-recognized certifications that underscore our commitment to excellence and adherence to the highest standards. These certifications are a testament to our dedication to quality, sustainability, and continual improvement. We have **ISO 9001: 2015, ISO 14001: 2015, ISO 45001:2018, ISO 384-1:2021, ISO/EN 3834-2:2021, ISO 50001:2018, ISO 31000: 2018; ISO 10002:2018, EN 280: 2013; WHO-GMP, CE Compliance, MSME Sustainable ZED Certification** apart from **NSIC** certificate.



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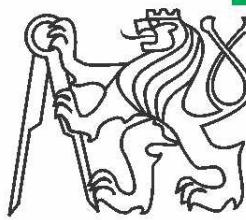
Factory Unit-1

Khasra No. 1090, Faridnagar, Industrial Area
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GEAR UP
TO
CLEAN UP

WEED
HARVESTER

AMPHIBIOUS
EXCAVATOR



**Weed Harvester &
Amphibious Excavator**

**Clean and Healthy Environment
with tech savvy machines.
Fast effective and superior!**



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www.qualityenviroengineer.com

WEED HARVESTER

AQUATIC WEED HARVESTERS designed and developed by QUALITY ENVIRO ENGINEERS PVT. LTD. are specialized machines designed for the management and control of unwanted aquatic vegetation. These machines are essential for maintaining water bodies, preventing the spread of invasive species and ensuring the health of aquatic ecosystems. We design and manufacture a wide range of aquatic weed harvesting and aquatic trash removal systems including harvesters, skimmers, transport barges, shore conveyors and weed crushing machine. Aquatic weeds are plants that grow in or around water bodies and can become problematic due to their rapid growth and invasive nature. These weeds can be native or non-native species, but they typically refer to plants that interfere with human activities, ecosystem health, or both.

Operational Benefits of Weed Harvester:

EFFICIENCY:

High cutting and crushing capacity reduces the time and labor required for aquatic weed management.

VERSATILITY:

Can handle various types of aquatic vegetation, including tough, invasive species.

MOBILITY:

Easy to transport and deploy in different water bodies.

SUSTAINABILITY

Helps maintain the ecological balance of water bodies by controlling excessive weed growth.

WEEDS APPLICATIONS:

01

Municipal Water Bodies:

Maintenance of lakes ponds and reservoirs.

02

Irrigation Channels:

Keeping canals and ditches clear to ensure efficient water flow.

03

Industrial Waterways:

Ensuring clear passages for industrial operations and preventing clogging of intake pipes

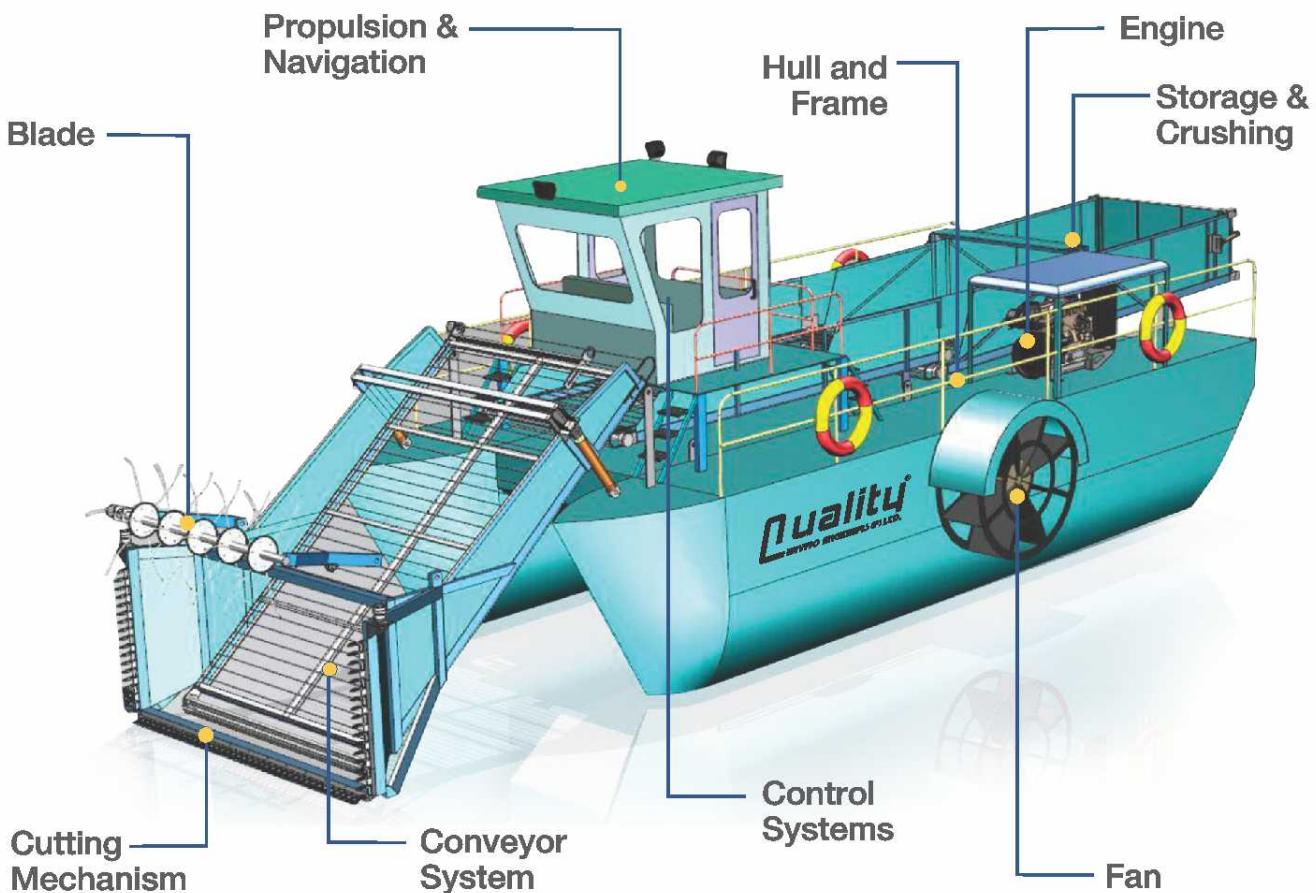
04

Recreational Areas:

Maintaining cleanliness and accessibility of water bodies in parks and resorts



COMPONENTS & FEATURES



TYPES OF WEEDS



COMPONENTS & FEATURES

Hull and Frame

- **Material :** Usually made of steel or aluminium to withstand aquatic environments.
- **Dimensions:** Varies based on the capacity and design, typically ranging from 20 to 60 feet in length.

Cutting Mechanism:

- **Cutter Bar :** Equipped with sharp, replaceable blades.
- **Width :** Can range from 6 to 12 feet, allowing for efficient coverage.
- **Depth :** Adjustable cutting depth to reach different levels of vegetation.

Conveyor System

- **Primary Conveyor :** Moves cut vegetation from the cutter bar to the storage area.
- **Secondary Conveyor :** Transfers vegetation to the collection bin or onto shore.
- **Material :** Corrosion-resistant materials like stainless steel or reinforced plastics.

Storage and Crushing:

- **Storage Bin :** Holds harvested vegetation, with capacities ranging from 500 to 3000 cubic feet.
- **Crusher :** Integrated crushing mechanism to reduce the volume of vegetation.
- **Types :** Hammer mill or roller crusher.
- **Capacity :** Can crush several tons per hour, depending on the model.

Propulsion and Navigation

- **Engine :** Diesel or electric engines with power ratings from 50 to 200 HP.
- **Propulsion :** Paddle wheels, propellers, or water jets.
- **Steering :** Hydraulic or electric steering systems for precise maneuvering.

Control Systems:

- **Operator Cabin:** Enclosed or open cabin with ergonomic controls.
- **Automation:** Some models feature automated control systems for cutting and harvesting operations.
- **Monitoring:** Real-time monitoring systems for engine performance, cutter depth, and conveyor status.

Safety Features

- **Emergency Stop:** Easily accessible emergency stop buttons.
- **Buoyancy Aids:** Built-in flotation devices to prevent sinking.
- **Protective Guards:** Around moving parts to prevent accidents.

Environmental Considerations:

- **Eco-Friendly Engines:** Low-emission engines to minimize environmental impact.
- **Debris Management:** Efficient collection and disposal systems to avoid re-entry of cut vegetation into the water.

Amphibious EXCAVATOR

An amphibious excavator is a type of excavator specifically designed to operate in waterlogged environments, marshy areas, and soft terrain. These machines are equipped with pontoons that allow them to float on water, making them ideal for dredging, wetland restoration, and other aquatic construction projects.

KEY FEATURES

- Main Pontoon:**
Large, sealed, buoyant structures that replace the traditional tracks of an excavator, enabling it to float.
- Side Pontoons:**
Additional pontoons attached to the sides of the main pontoons to provide extra stability and buoyancy.
- Hydraulic Spuds:**
Extendable legs that can be deployed to anchor the machine in place for increased stability during operation.
- Long-Reach Boom and Arm:**
Extended reach allows the excavator to work effectively in deep or hard-to-reach areas.
- Swivel Capability:**
The excavator's cab can rotate 360 degrees, providing full operational flexibility.
- Powerful Engine:**
Ensures the machine can handle tough terrains and heavy loads while maintaining efficiency.

APPLICATION

01

Marsh, Wetland And Other Water Operation Projects:

With the aid of our professional amphibious equipment, the excavator can safely and effectively work in ponds, rivers, lakes, coastlines and other terrain operations



02

Dredging Operation:

Desilting operations can be performed using amphibious excavators in challenging aquatic conditions, especially with the operation efficiency is astounding when cutter suction equipment is used.



03

Environmental Service:

Dredging in challenging areas, such as swamps, rivers, etc., management of the natural environment, and bolstering landscape restoration are all ways to effectively build and safeguard the landscape.



04

Public Welfare Disaster Relief:

Products of River Heavy Industry are used for flood management, disaster relief efforts, maintenance, and other purposes



05

Rental Service:

We offer rental services for a number of excavator equipment models to those who may need them.





Pontoon Dimension : L-4800mm X W-500mm X H-1050mm

PONTOON AMPHIBIOUS UNDERCARRIAGE

THE CENTER FRAME'S HEIGHT IS ADJUSTABLE

Various construction projects may necessitate that the height of the center frame be adjustable or adapted

MAIN PONTOON

For regular operation in shallow water, the pontoon's planned buoyancy can reach the bottom since its weight is less than the weight of the structure.

THE CHAIN PLATE EMPLOYS HG785 HIGH STRENGTH

Wear resistance, and impact resistance.

SIDE PONTOON (OPTIONAL)

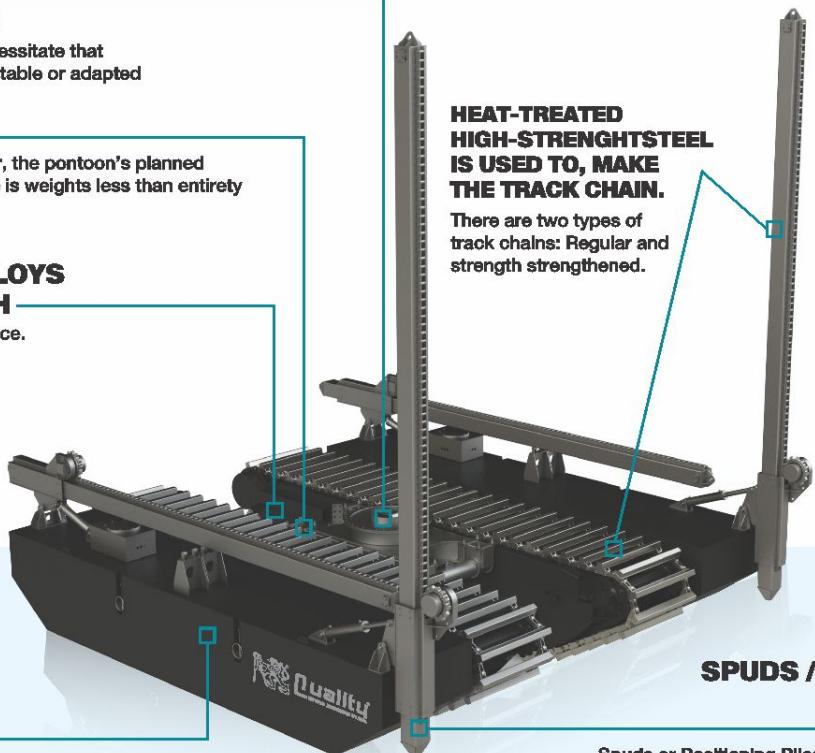
Side pontoon is needed when water depth exceeds the height of main pontoon.
Only 10 minutes for the installation of side pontoon

HEAT-TREATED HIGH-STRENGTH STEEL IS USED TO, MAKE THE TRACK CHAIN.

There are two types of track chains: Regular and strength strengthened.

SPUDS / POSITIONING (OPTIONAL)

Spuds or Positioning Piles are fully hydraulically controlled in cabin, with which the machine is allowed to work in 2-5 meters deep water



STRONGER. FASTER. DEEPER.



WORKING SCOPE

#startupindia
Quality
ENVIRO ENGINEERS PVT. LTD.
Mfrs. of Solid, Light Waste Handling Equipment



SKELETON BUCKET

Optional:

Customised as per customer requirement

Applications

- Quarrying in rivers
- Separating debris and large stones from soil

FEEL SAFE AT WORK
EVERY DAY WITH
QUALITY EXCAVATORS

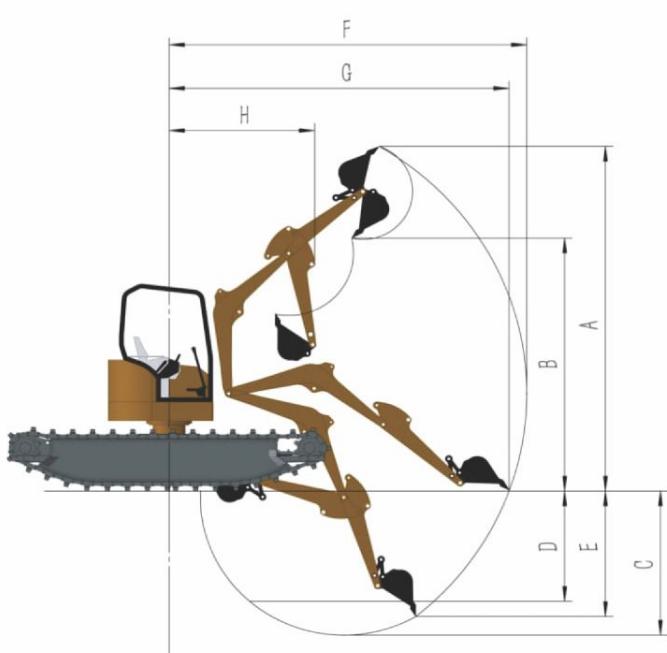
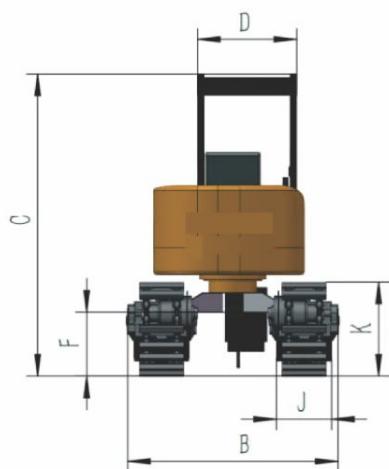
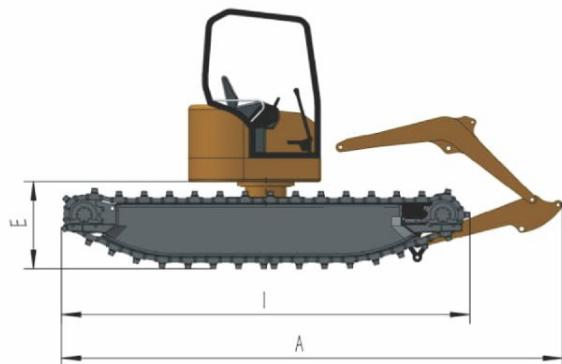


MINI Amphibious EXCAVATOR

An amphibious excavator is a type of excavator specifically designed to operate in waterlogged environments, marshy areas, and soft terrain. These machines are equipped with pontoons that allow them to float on water, making them ideal for dredging, wetland restoration, and other aquatic construction projects.



STRONGER. FASTER. DEEPER.



Specifications

Model	UOM	Parameters
Operating weight	Kg	5275
Bucket capacity	m3	0.12
Main Performance		
Walking Speed	km/h	3.6/2.2
Rotary Speed	r/min	8.5
Climbing Ability	%	30
Ground Pressure	kpa	36.6
Bucket Digging Force	kn	37.6
Arm Digging Force	kn	20.4
Oil Capacity		
Fuel Tank Capacity	L	40
Hydraulic Tank Volume	L	45
Engine Oil Capacity	L	7
Standard		
Boom Length	mm	2560
Arm Length	mm	1350
Bucket Capacity	m ³	0.12
Model	UOM	Parameters
Total Length	mm	4800
Total Width	mm	1900
Total Height	mm	3050
Cab Width	mm	500
Counter weight Clearance	mm	587
Minimum Ground Clearance	mm	297
Pontoon Length	mm	4800
Pontoon Width		550
Pontoon Height		1050
Scope Work	UOM	Parameters
Maximum Digging Height	mm	5215
Maximum Unloading Height	mm	3760
Maximum Digging Depth	mm	3060
Excavation Depth of 8 Feet Level	mm	1520
Maximum Vertical Mining Radius	mm	2260
Maximum Digging Radius	mm	5415
Maximum Reach GRP	mm	4500
Minimum Turning Radius	mm	2170

SHARVEX
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