

TPS RANGE SOLID WASTE HANDLING EQUIPMENT

TPS RANGE OF MACHINES FOR INDUSTRIAL SECTOR

TPS RANGE OF MACHINES FOR MUNICIPAL APPLICATION

TPS -VACSWEEP RANGE OF ROAD SWEEPERS

(Manufactured as per technology provided by M/S. Stummer Eurowaren - Austria)



Tipper discharging garbage into garbage compactor



1100 Ltr Bin being unloaded in TPS Compactor



3.5M bin being lifted into Garbage Compactor



Skip Loader / Dumper Placer 6-8M³ Container Capacity

Garbage Compactor

3 Basic Models to choose from

Model	Volume	Chassis GVW
TPS RCV8	6-8M ³	9-11Tons
TPS RCV14	12-14M ³	16Tons
TPS RCV20	18-20M ³	25Tons



Portable Compactor



Hook Loader with 20M³ Skip

Solid Waste Transfer Station

Designed to receive garbage from Tipplers, Skip Loaders/Dumper Placers. Compaction of garbage into roll off containers for transportation to dumping ground / waste treatment plant.



Metal Transport Vehicle



Furnace Charging Car



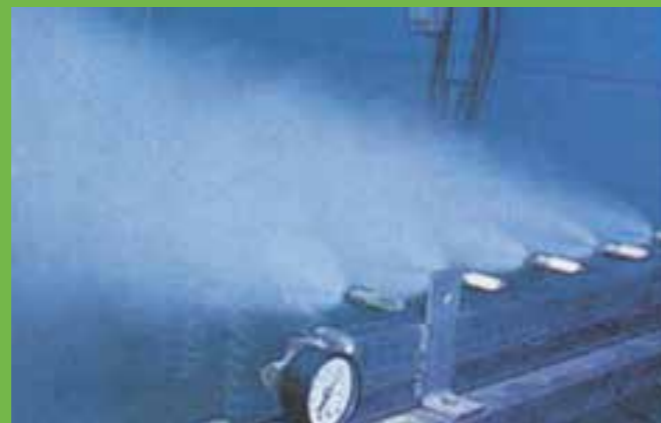
Furnace Tending & De-bricking Machine



Fluoride Charging Vehicle



Anode Transport Vehicle



Dust Suppression System



Mobile Truck mounted Vacuum Cleaner



Access Platform



Railway Track Cleaning Machine



Truck mounted Road Sweeping Machine



Refuse Compactor with Universal Bin Lifter



Sewer Suction cum Jetting Machine



Portable Compactor



Self Propelled Road Sweeping Machine



Ride On Sweeping Machine



Super Sucker Vactruck Desilting Machine



Solid Waste Transfer Station



Diesel Engine Operated Ride On Sweeping Machine

Suitable for cleaning of roads & paved areas in Cities, Industrial Plants, Housing Complexes, Parking Area, Aircraft Hangers etc.

- o Highly maneuverable.
- o Easy movement in restricted areas.
- o Hydraulic dumping of Dust Container.
- o Container Volume: 160-800 Ltr.



Self Propelled Sweeping Machines with Hydrostatic Drive

- o Most versatile, suitable for broad range of applications in industrial & municipal sectors.
- o State of the Art technology
- o Optimum design of suction & sweeping devices.
- o Large container volume of up to 5 Cubic Metre.
- o Wandering Hose for suction of material from areas outside the sweeping path.
- o Container Volume: 2000 - 5000 Ltr



Truck Mounted Vacuum Sweeping Machine

Suitable for Heavy Duty Sweeping application on Industrial Municipal Roads and Highways.

- o Wandering Hose for suction of material from outside sweeping path.
- o Sweeping operation without water spray (Dry Sweeping) - optional.
- o Container Volume: 4000 - 6500 Ltr.



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TPS INFRASTRUCTURE LIMITED

An Engineering and Manufacturing Company with a vision for World Class Innovative Products



TPS RANGE OF SEWER CLEANING AND RE-CYCLING EQUIPMENT



Desilting Machine for Cleaning of Trunk Sewer Pipelines

TPS Super Sucker-VACTRUCKS with High Pressure Jetting facility (Desilting Machine) is deployed for dislodging settled sludge/silt from under ground trunk sewer pipeline, open drains and suctioning the same from depth of 8 to 10 Meters through specially designed fluidizing nozzles. The suctioned sludge is collected in a truck mounted suction Dump Tanker with cyclone for onwards disposal at dumping grounds.



Suction Dump Tank with cyclone for collection of suctioned silt.



Suction cum Jetting Machine

TPS truck Mounted Suction cum Jetting Machines are used for dislodging / removing obstructions, blockages from sewer pipelines using high pressure jetting system and for suctioning the sludge from manholes. The Gully Pit Emptier is used for suction of sludge from septic tanks / Gully pits and manholes.



Gully Pit Emptier

TPS Suction cum Jetting Machine with Sludge Water Recycling for Jetting Application



The equipment is utilized for cleaning/desilting of sewer pipelines. The equipment does not require clean fresh water for jetting purposes and utilizes the sludge water, which is filtered and reused for jetting purposes to clean and remove blockades in the sewer lines. With this facility, the equipment is able to carry out the sewer line cleaning work on a continuous basis and precious fresh water is not wasted by jetting into the sewer pipelines.

TPS RANGE OF INDUSTRIAL VACUUM CLEANING AND RECOVERY SYSTEM

MANUFACTURED AS PER TECHNOLOGY PROVIDED BY M/S. WIELAND LUFTECHNIK GMBH - GERMANY

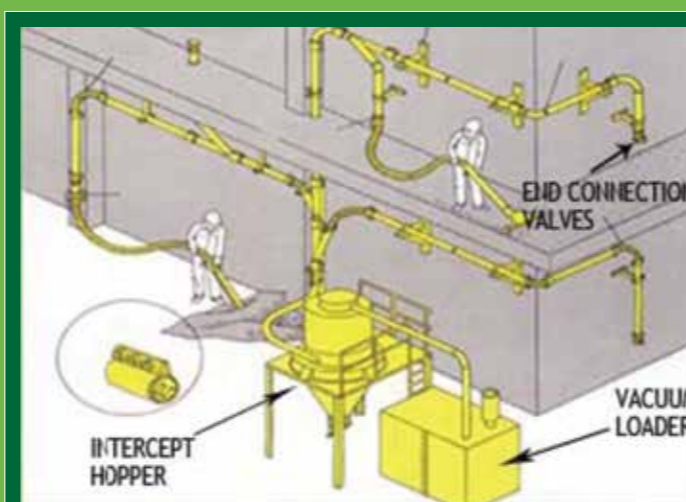
Vacuum suction loaders with centralized pipeline and intercept hopper system are utilized for fast and efficient removal of spillages resulting in recovery and recycling of useful material, cleaner working environment, reduced wear down time of machinery etc. TPS designs and manufactures wide range of Vacuum Cleaning, Recovery and conveying systems - electric or diesel driven, mobile or stationary along with centralized pipe line system. The projects are generally being executed on turnkey basis.

APPLICATIONS

Cement Plants Packing plants, Truck and Wagon Loading areas, Cement Mills, Raw Mill Area etc.
Steel Plants Coke ovens, Sinter plants, Lime/Dolomite and Briquetting plants, Blast Furnace RMHP etc.
Power Plants Removal of mill rejects, cleaning boiler house, pent house, coal handling plants etc.
Aluminum Industry Pot room area, Anode paste plants, Rodding Plants, PTM Maintenance Bay, Bauxite handling system etc.
Ports and Other Infrastructure Industries.



Truck Mounted Vacuum Cleaner (Rail-cum-Road)



Centralised Pipeline System

Centralised pipeline system are installed for cleaning Multistoried Building like Cement Plant, Packing House, Crushing and Screening Plants, Boiler House etc. The material is suctioned through the centralized pipeline system for recycling/disposal.



Electrically Operated / Stationary Vacuum Cleaning Machine (30-200KW)



Intercept cyclonic hopper discharging on conveyor for re-cycle.



Intercept cyclonic hopper discharging on truck for disposal.



Floor Cleaning.



Removal of Bulk Material.

PORTABLE COMPACTOR FOR LOCALITY WASTE COLLECTION CENTRE



Loading of Portable Compactor by Door to Door Collection Carts or Tipper Trucks

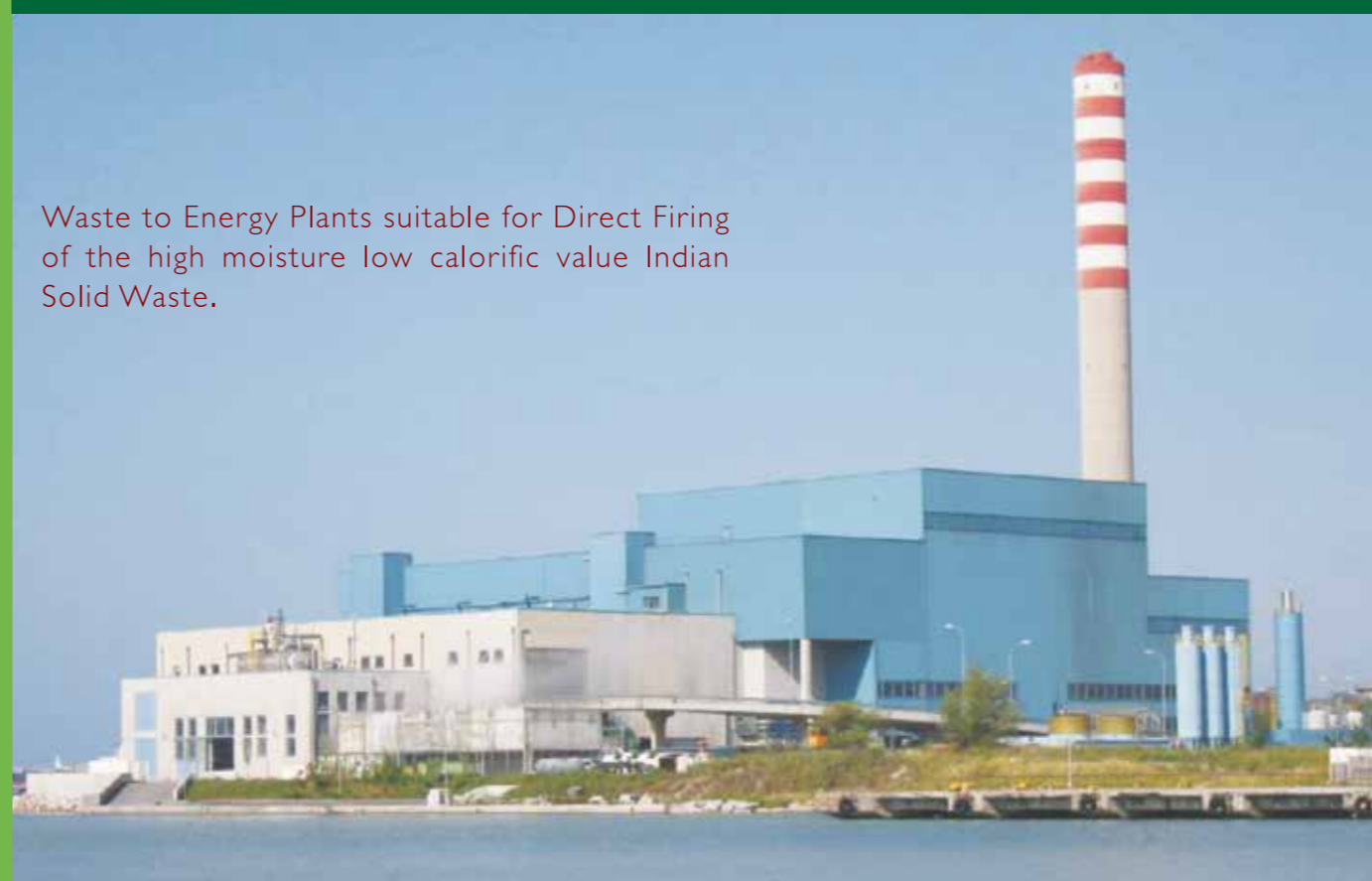


Transportation of Portable Compactor to Dumping Ground by Truck mounted Hook Loader



WASTE TO ENERGY PLANTS

Waste to Energy Plants suitable for Direct Firing of the high moisture low calorific value Indian Solid Waste.



TPS RANGE OF DUST SUPPRESSION SYSTEMS

(As per technology provided by M/s. Turbotek Technologies - Canada)

Dry Fog Plain Water Spray Sprinkler Fog Canon

TPS is manufacturing the complete range of Dust Suppression Systems and are in a unique position to provide a complete, comprehensive and cost effective solution to any dust suppression problems in the Raw Material Handling, Crushing and Screening facilities etc. in Cement Plants, Steel Plants, Mines, Bulk Handling Facilities in Ports and other industries.

DRY FOG DUST CONTROL SYSTEM - COST EFFECTIVE ALTERNATIVE TO BAGHOUSE

- Lower capital, operating and maintenance cost compared to De-Dusting Bag House System.
- Since particulate knockdown is achieved in situ, there is no need for long duct runs to convey the dust to a central collection point.
- There is no secondary dust disposal problem.
- Easy installation in existing plants.
- In most cases, the system can be installed in operating plants.
- The "DRY FOG" system takes less space and can be installed in the plants where there is no space for installation of Bag house de dusting system.
- No major plant modification are required for installation of the system.
- Water addition to the process is as low as 0.1% of the weight of the material being handled.
- No requirement of Chemical.



BEFORE

AFTER

AQUADYNE DUST SUPPRESSION SYSTEM (WATER + CHEMICAL) OR PLAIN WATER SPRAY

The main principle of the system is to wet the material. The material is kept damp, thus immobilizing the dust particles, and hence preventing them from becoming air borne.

TPS WATER "SPRINKLER" DUST SUPPRESSION SYSTEM

The Sprinkler System is basically designed to spray water on the stock piles of coal, lime stone, iron ore etc and prevent lift off of dust from stockpiles.

TPS RANGE OF MACHINES FOR METALURGICAL SECTOR



FURNACE TENDING & DE-BRICKING MACHINE



FURNACE CHARGING CAR



METAL TRANSPORT VEHICLE



CRUSHED BATH / ALUMINA / CEMENT / FLY ASH