

TPS INFRASTRUCTURE LIMITED
(An ISO 9001 : 2008 Certified Enterprise)



www.tpsmfg.com

TPS RANGE OF MACHINES FOR MUNICIPAL APPLICATION



Truck mounted Road Sweeping Machine



Self Propelled Road Sweeping Machine



Refuse Compactor with Universal Bin Lifter



Ride On Sweeping Machine



Sewer Suction cum Jetting Machine



Super Sucker Vactruck Desilting Machine



Portable Compactor



Solid Waste Transfer Station



TPS INFRASTRUCTURE LIMITED

*An Engineering and Manufacturing Company with a vision for World Class Innovative Products
An ISO 9001: 2008 Certified Enterprise*

JAS-ANZ



ISO 9001 : 2008

TPS-VACSWEEP RANGE OF ROAD SWEEPERS



Diesel Engine Operated Ride On Sweeping Machine

Suitable for cleaning of roads & paved areas in City, 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.

TPS RANGE OF SOLID WASTE HANDLING EQUIPMENT

(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



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



Solid Waste Transfer Station

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



Hook Loader with 20M³ Skip

TPS RANGE OF MACHINES FOR INDUSTRIAL SECTOR



Metal Transport Vehicle



Furnace Charging Car



Furnace Tending & De-bricking Machine



Mobile Truck mounted Vacuum Cleaner



Anode Transport Vehicle



Articulated Boom Crane (Lorry Loader)



**Self
Propelled
Aerial
Platform**

**Articulated
Telescopic
Boom Lift**

Scissor Lift



Cement / Fly Ash / Lime Bulk Carrier



Dust Suppression System

TPS RANGE OF SEWER CLEANING AND RE-CYCLING EQUIPMENT



De-silting Machine for Cleaning of Trunk Sewer Pipeline

TPS Super Sucker VAC- Trucks with High Pressure Jetting Facility (De-silting 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 and for suctioning the sludge from manholes. The sludge from manholes. The Gully Pit Emptier is used for suction of sludge from septic tanks / Gully pits and manholes.



Gully Pit Emptier

Wiedemann 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 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.

RANGE OF INDUSTRIAL VACUUM CLEANING AND RECOVERY SYSTEM

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

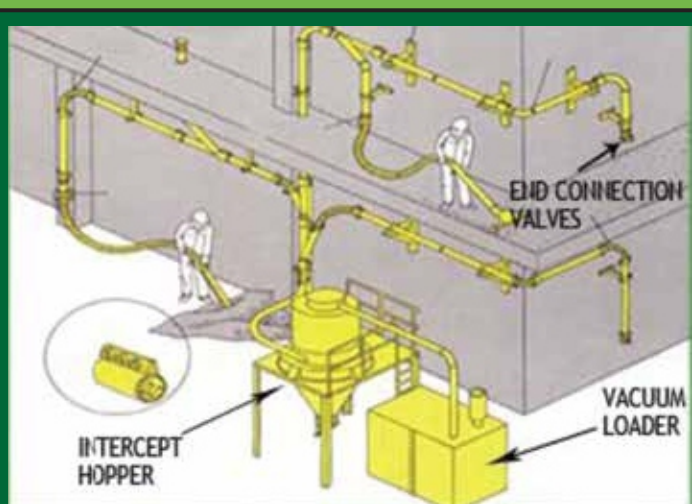
Vacuum suction loaders with centralized pipeline and intercept hopper system are utilized for fast and efficient removal of spillages. TPS designs and manufactures wide range of vacuum, cleaning, Recovery and conveying systems - electric or diesel driven, mobile or stationary along with centralized pipe 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,
- Ports and Other Infrastructure Industries : Bauxite handling system etc.



Truck Mounted Mobile Vacuum Cleaning Machine



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 (30-200 KW)



INTERCEPT CYCLONIC HOPPER DIS-CHARGING ON CONVEYOR FO RE-CYCLE.



INTERCEPT CYCLONIC HOPPER DIS-CHARGING ON TRUCK FOR DISPOSAL.



FLOOR CLEANING.



REMOVAL OF BULK MATERIAL.

RANGE OF MACHINES FOR METALLURGICAL SECTOR



FURNACE TENDING AND DE-BRICKING MACHINE

Furnace Tending and De-Bricking Machine is used for carrying out the following operations in the furnace in metallurgical industries.

- Skimming -off slag and dross from liquid metal surface in Furnaces.
- Stiming the liquid metal to mix alloying metals and fluxes perfectly.
- Chiseling and removing the Slag and Dross built up on the surface lining and furnace hearth. De-bricking using special De-bricking attachments.
- Mouth jam Cleaning in hot condition.
- Crawler or Tyre Mounted opinions available.



CRUSHED BATH / ALUMINA / CEMENT / FLY ASH TANKERS

The Tankers are consisting of a prime mover and a semi-trailer tanker unit with in built pneumatic discharge system, using compressed air and is used for transportation of Alumina from main Alumina silo to the day silo located in GTC area and transporting of crushed bath from crushed bath silo in bath recycle shop to crushed bath silo in GTC area in the smelter plant. These Bulk Carrier are also used for transporting Cement, Fly Ash and other free flowing powdered materials in other industries

Capacity: 25 - 49 Tons GVW.



METAL TRANSPORT VEHICLE

The metal transport vehicle is a Diesel Engine operated vehicle with hydrostatic drive and a lifting platform and is used for picking up Hot Metal Filled ladle with it's support stand from the floor and transporting to Cast House.

Payload Capacity: 32 - 50 Tons GVW



FURNACE CHARGING CAR



ANODE TRANSPORT VEHICLES

TPS RANGE OF DUST SUPPRESSION SYSTEMS

(As per technology provided by M/s. Turbotak 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.



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 airborne.

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

TPS RANGE FOR DEFENCE SECTOR



Articulated Crane

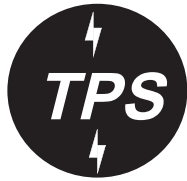


Mechanical Runway Sweeper



Bomb / Missile Loader

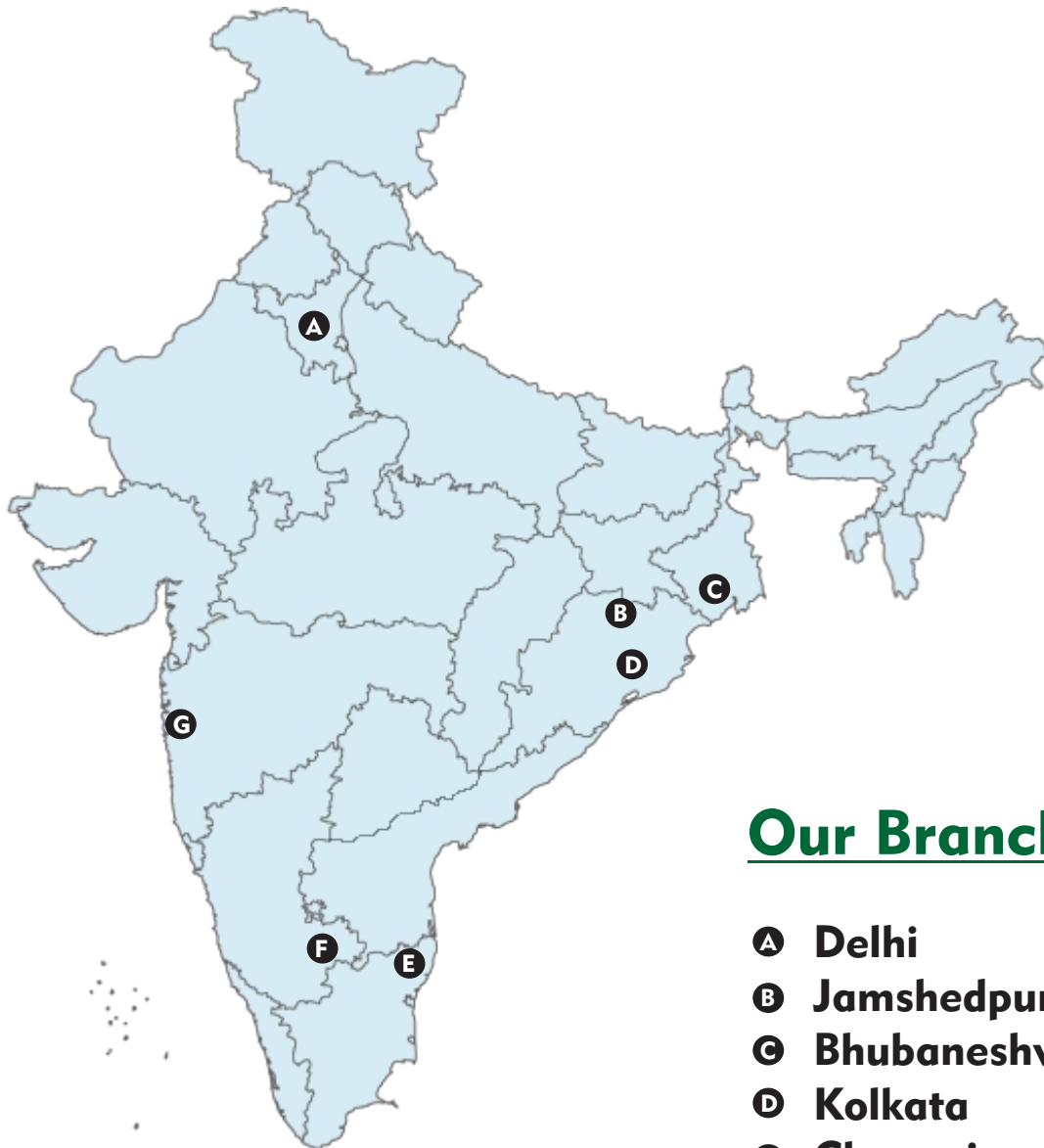




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