



OSTİM ENDÜSTRİYEL YATIRIMLAR VE İŞLETME A.Ş.
OSTİM INDUSTRIAL INVESTMENT & BUSINESS INC.

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OSTİM MUNICIPAL WORK SOLUTIONS



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INTRODUCTION



"system integration related to your demands"

"ready for cooperation"

"receptive to new projects"

Ostim Investment Inc. was founded with the aim to establish a dynamic cooperation among 5.000 SMEs, which perform their activities in different business sectors in the Ostim SMEs Industry Center, to provide the domestic and foreign marketing of goods and services produced by these SMEs and thus to increase the business capacity of them.

With her financial, managerial, technological and marketing power, Ostim Investment Inc. is directly involved in a significant number of different businesses.

Taking her name from the "OSTİM SMEs Industry Center" in Ankara, Ostim Investment Inc. is the umbrella and leading company of OSTİM by means of representing the Ostim SMEs and facilitating projects for all sides. With her participants, subsidiaries, associations and the other supportive organizations in OSTİM in different fields, Ostim Investment Inc. will continue to be your reliable solution partner in each and every stage of your requirements.

TURN KEY PLANT ESTABLISHMENTS

► SLAUGHTERHOUSE SYSTEMS

Ostim Investment Inc. is able to offer first class solutions for Poultry, Sheep and Cattle Slaughtering Systems. Our equipment is committed to "Quality, Reliability, Efficiency, and Hygiene in all Phases," a concept aimed at reducing any damage and providing process information.

Our Slaughtering Solution Systems is offering:

- Superior meat quality
- First class scalding and picking
- Product optimization via process information
- Eliminated cross contamination
- Faster, uniform, and frost-free chilling
- In-line maturation in combination with electric stimulation
- Flawless non-stop operation



The whole slaughter house is available including:

- Stables
- Slaughter lines
- Cooling rooms
- Quartering stations
- Deboning rooms
- Packing rooms
- Blast freezers
- All cooling compressors

Our Slaughtering Solution Systems Lets You

- Optimize Labour Use
- Maximize Slaughter Efficiency
- Minimize Contamination



► CONCRETE PARQUET, BRIQUET and PIPE PRODUCTION

Concrete Parquet, Concrete Briquette and Concrete Pipe Production Machines and equipments are produced to serve for our municipalities, private sectors and private administrations.

Concrete Parquet Production Facility Units:

- 1- Bucket Sliding Transporter
- 2- Forced Concrete Mixer
- 3- Mortar Transport band
- 4- Concrete Parquet Machine
- 5- Stock Machine

Many different models of Parquet, Briquette and Pipe can be produced according to the models.

There are many different kinds of Concrete Parquet, Briquette and Pipe models that can also be produced on demand. The stones are finished in these models.



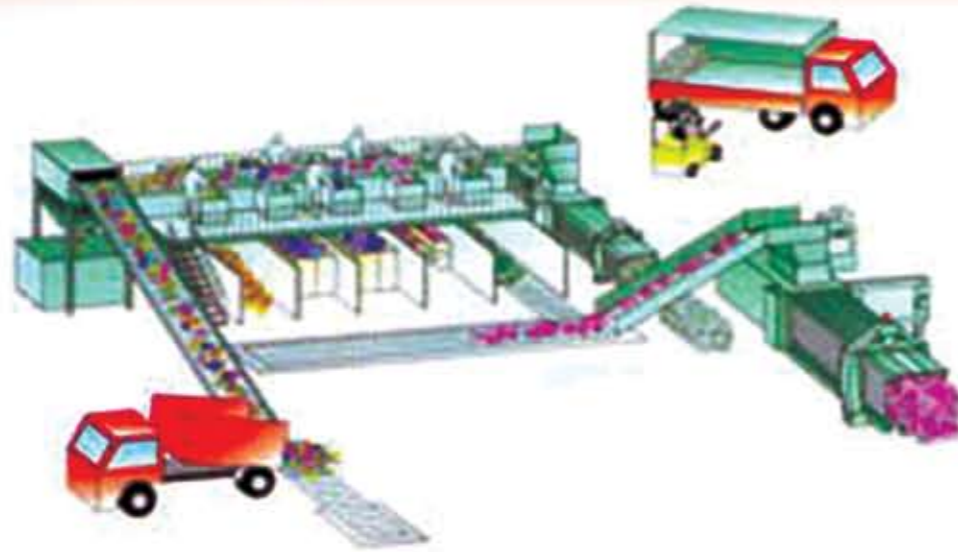
Concrete Parquet Model



Concrete Briquette Model



Concrete Pipe Model



► WASTE DISPOSAL SYSTEMS

We are building Recycling and Waste Incinerating Plants as Turnkey Projects. We aim to manufacture the most efficient and feasible incinerators while maintaining the environmental quality and sustainability. In accordance with those scopes and your demands, we manufacture many incinerators serving for these different purposes.

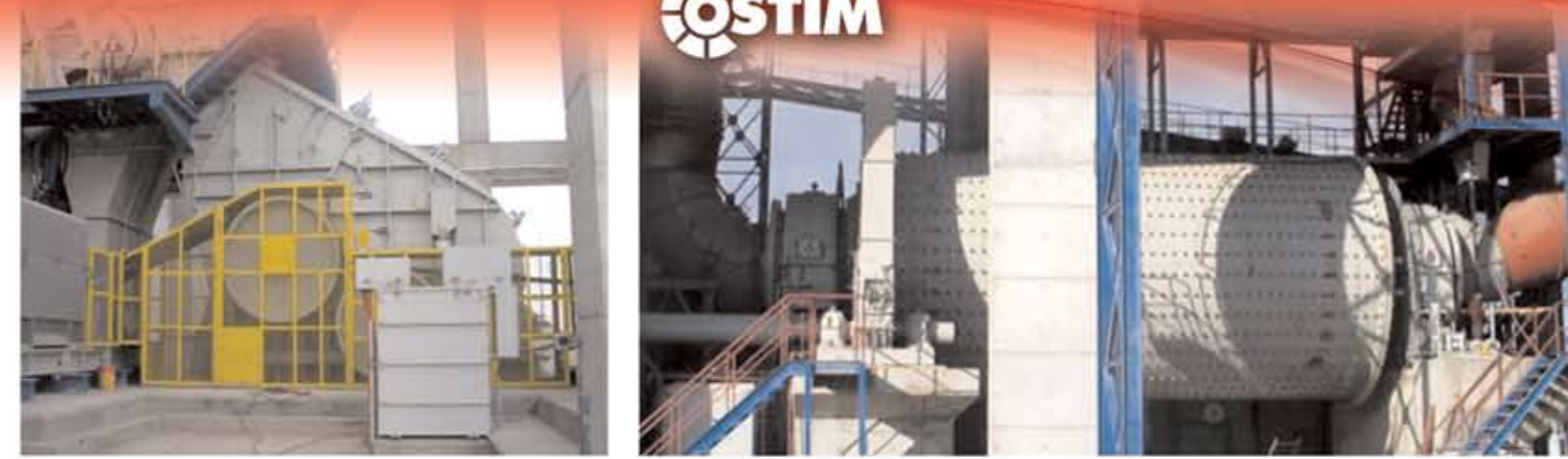
Any type of solid waste, including municipal waste, industrial waste and sludge can be disposed by our Waste Disposal Systems.



Our Waste Disposal Systems are used for different aims mainly for; Municipal Waste, Medical Waste and Animal Waste Disposals.

The strength of our Waste Disposal Systems is based upon:

- Easy maintenance
- Fully Automated Control Mechanism
- Compliance with World Quality Standards
- Minimized Operational and Maintenance Cost
- Energy can be recovered by means of heat recovery
- Feasibility and long life



► CONCRETE BATCHING PLANT AND CEMENT PLANT EQUIPMENTS

We are building Cement Batching Plants at different capacities and also producing Cement Plant Equipments. We offer you from feasibility study to engineering, supply, construction and training phases. These plants are highly mechanized and strong in capacity. We are manufacturing stationary concrete batching plants, containerized batching plants, grand mobile concrete batching plants and mobile concrete batching plants.

Stationary Concrete Batching Plants with full automatic automation, high quality connection equipments satisfy your requirements and top quality technologies with the R&D support is providing you for specific projects like airports, barrage, railway concrete and for block production.

Our Grand Mobile Concrete Batching Plants are bringing the transport and assembly advantage of the mobile concrete batching plant with the efficiency and stability of the stationary type concrete batching plant together.

The main issue for the Mobile Concrete Batching Plant is the minimum foundation cost. The types with axle can be transported by trailers. They are preferred in those construction areas that are usually required to change location.



ROAD CONSTRUCTION EQUIPMENTS

TRAFFIC and ROADWAY SIGNS

We are manufacturing durable and convenient traffic signs and highway safety products for the contractors and government agencies. Our technical know-how has enabled us to offer varied products & services pertaining to our domain.

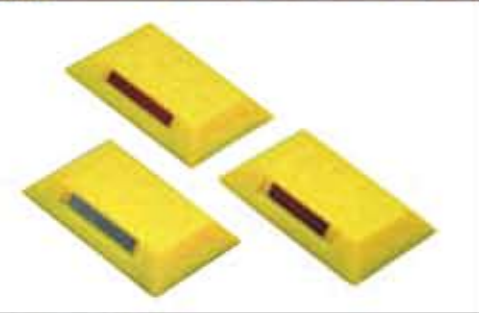
Traffic lights, road reflector signs, warning triangles and traffic cones are the main products that we produce. Our range of traffic lights is having the following features:

- Low power consumption
- Optimal visibility
- Even distribution of luminosity
- High intensity light
- Compatible with standard signal heads
- Available with commonly used symbols



Our range of road safety products are perfect to be applied at highways, hospitals, parking lots, speed breakers, construction sites, railroad crossings etc. The road safety lights can also be used at hotels, shopping malls, resorts and many other places wherein light is required.

We manufacture a fine range of road safety products from high quality aluminium and other raw materials. Our reflective road safety products can withstand weather adversities and are visible from far distant places. We manufacture rugged look safety products so that they uphold strong for long duration.

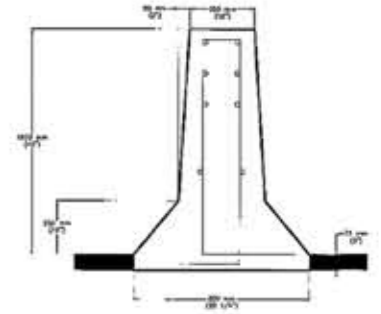


ROADWAY BARRIERS

The Jersey barrier or Jersey wall separates lanes of traffic (often opposing lanes of traffic) with a goal of minimizing vehicle crossover in the case of accidents.

The production facilities of "New Jersey Barriers" are brought to you after completing all the technical and infrastructural works by our company. At the moment of an accident, 30% of the speed is absorbed by these barriers and by placing these barriers to the central refuge, the passing of the cars to the opposite lane and somersault of the cars are prevented. Therefore, the damages after the accident are substantially lowered.

Another variation is the plastic Jersey barrier, which was developed in response to demand for a product that could provide some of the same benefits of concrete barriers in circumstances where kilometres of barriers were not necessary, and for short-term projects for which portability was important. These barriers are made of heavy-duty, low-density polyethylene and, in use, they are water-filled. These barriers are easily assembled to each other and there is a great spectrum of colour choice.





➤ ROADWAY PAINT

Roadway paint is used at the city roads, highways, airfields, pedestrian ways factory and storage areas to define the traffic lanes clearly.

We can supply you for both yellow and white collars.

It is used on the asphalt, concrete and mosaic surfaces by the help of brush and roller.

The surface drying takes approximately 30 min. and absolute drying takes 2-3 hours at 20°C.

These paints are compatible with international standards and shows high chemical endurance.



Road marking paints are putting inside protector and catalyst towards to ultraviolet. It shows very good quality adhesive characteristic and resistant to abrasion. The traffic and chemical materials do not affect its appearance. Life of the applied paint is changing between 24-36 months depending on the traffic and specialty of the road.

The advantages of our road marking paints:

- Do not include solvent and not harmful for nature
- Using symbol shapes are easy and well qualified
- Has got long term life and not to easily abrasion
- Has got high strength on sliding
- It has got many colourful application chance

CONSTRUCTION WORKS

➤ PREFABRICATE CONSTRUCTION

Our modular living prefabricated structures are produced to meet all your needs. These structures are easy to assemble and they can be carried over easily. Moreover the internal use areas of these prefabricated constructions can be organized as requested.

These prefabricated construction structures can be used in wide range areas such as offices, dormitories, depots, living units etc. Since they have many features such as many choices for architectural design, decoration fit for all purposes, rapid mounting, easy to use, minimum maintenance cost, mounting and demounting features. Together with the units referred as modular system, they can constitute structures in all dimensions outside the standard measurements and as being multiple-storey.

There are many advantages of prefabricated construction:

- Self-supporting ready-made components are used, so the need for formwork, shuttering and scaffolding is greatly reduced
- Construction time is reduced and buildings are completed sooner, allowing an earlier return of the capital invested
- On-site construction and congestion is minimized
- Quality control can be easier in a factory assembly line setting than a construction site setting
- Costs of labour, power, materials, space and overheads are lower
- Time spent in bad weather or hazardous environments at the construction site is minimised





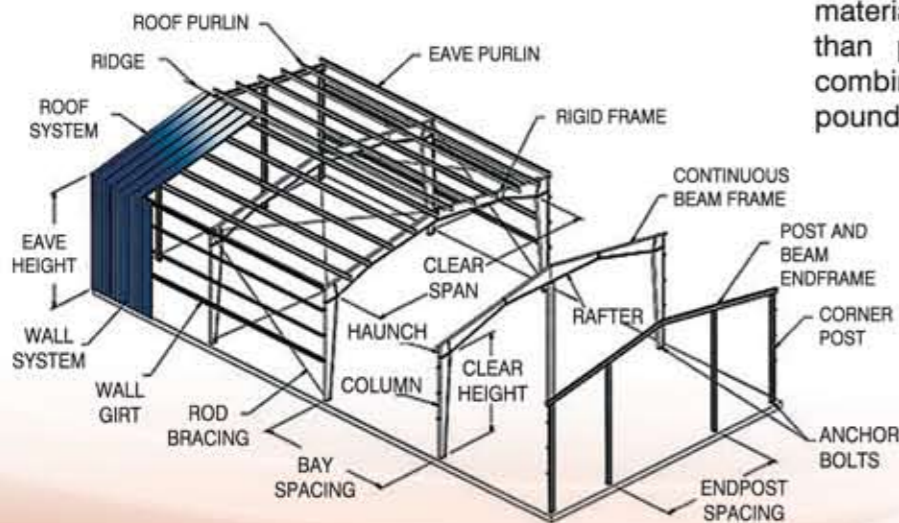
► STEEL CONSTRUCTION

Steel Constructions offer many advantages. They are usually constructed much faster than buildings using other materials; the costs are usually lower compared to traditional building methods; they are lighter weight; they are easier to maintain; and they carry a reduced risk of fire. Moreover, steel is 66% recyclable, which makes it an especially cost-effective and environmentally sound alternative to any other construction material. Above all, strength is a major plus for steel. Steel structures can withstand unfavourable weather conditions such as hurricanes, high winds, heavy snow and even earthquakes. They are also resistant to termites, creeping, cracks, splitting and rotting, thus increasing durability.

Steel Construction Systems can be customized and designed to meet many of your challenge.

Steel building products are all engineered to strict standards of strength and consistency.

With a frame made of Red Iron and galvanized steel, you not only have a stronger and longer lasting home, you can have the satisfaction of knowing that steel is the most recycled material in the world. More steel is recycled than paper, aluminium, glass and plastic combined. In the last decade, over one trillion pounds of steel were recycled.



► PEDESTRIAN UNDERPASS AND OVERPASS CONSTRUCTION

One of our specialities in the turn-key construction projects is the construction of car & pedestrian underpass and overpass for municipalities.



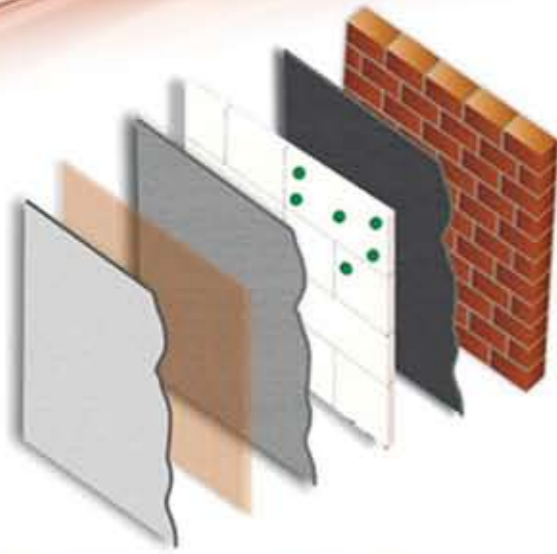
The capacity is determined as either the number of lanes of travel provided or measured traffic count.



We build the right solutions for the site area after a feasibility study and construction site inspection work.



► **COVERINGS AND INSULATION**



Heat Insulation is to provide barriers to heat flow into and out of our houses, through external walls, windows, roofs, floors and instalments in order to reduce the amount of energy needed for heating and cooling and maintain a comfortable place to live. By heat isolation energy costs could be reduced up to 50%.



Heat insulation systems are generally applied to; roofs and walls of the buildings, floors between two stories and instalment pipes & air condition channels.

Water is an important factor affecting buildings. Rain, snow, humidity, underwater is damaging the buildings. We apply waterinsulation systems to protect buildings from the damaging effects of the water. Oxidations of the iron materials of the buildings, decaying of concrete are prevented by means of water insulation.

Sound insulation is an application which provides protection from the harmful effects of noise by insulating the living place from unwanted noises. Houses, schools, hospitals, hotels, business places etc. are the common places where sound insulation is applied.

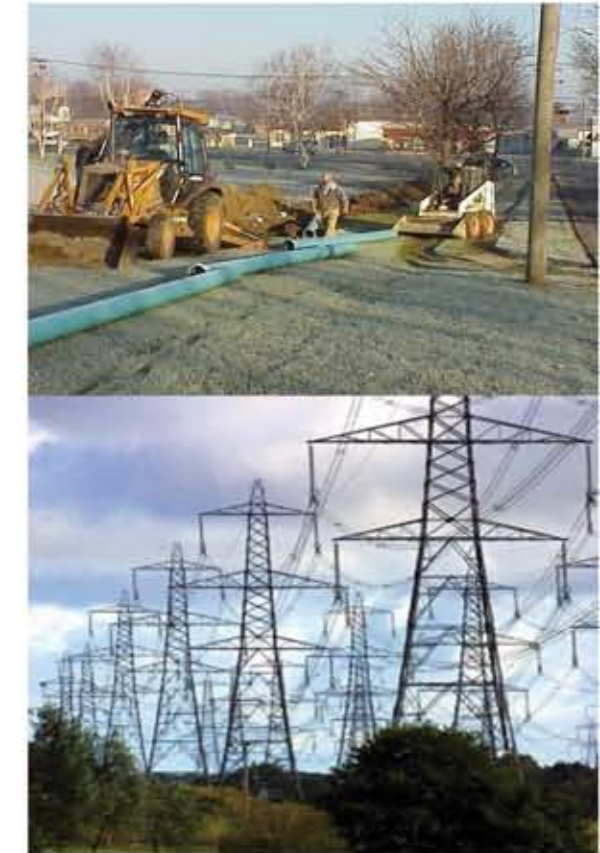


► **WATER, ELECTRICITY, NATURAL GAS COMPLETE DISTRIBUTION SYSTEM AND ELECTRONIC & MECHANIC COUNTERS**

We build complete distribution systems for water, electricity and natural gas from feasibility studies to engineering, supply and construction phases. These complete systems include all the required material and software for distribution and measurement.

Our technically advanced design, engineering and manufacturing provide an efficient and durable water, gas and electricity distribution systems.

Electronic and Mechanic water, electric, energy and gases counters are also produced. We select high quality materials for steady and reliable characteristics. The counters are for universal use and it is easy for interchange and maintenance.



ON VEHICLE MACHINERY

► COMPRESSION GARBAGE CARTER

Eliminating the waste material is as important as the operation itself. Our compression garbage packers is simplifying the operation and providing an exact solution for the waste collecting problems. Our higher compression ratios let you obtain smaller volumes of waste.

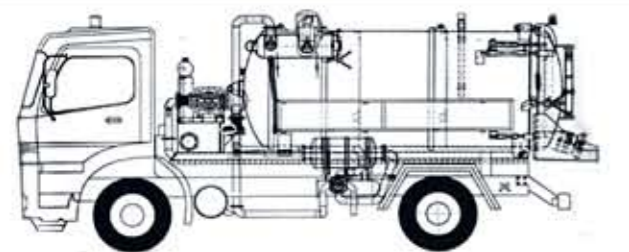
The refuse box is hydraulic pressed and produced to be rear loaded, suitable for loading 150-400-800 litre containers with 30-35 seconds pres time, 35-40 seconds discharge period and 1/3-1/6 pres ratio. The whole system is automatic so you save money, energy and labour force.



► SEWER CLEANING VACUUM TRUCK

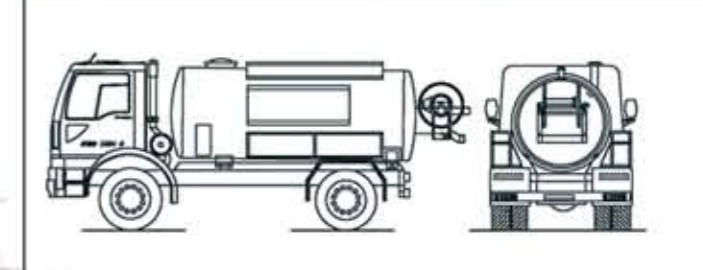
Sewer vacuum equipment works by the principle of vacuum force which is created inside the tank with a high vacuum pump. Sludge, dirty water, half-solid waste and any other dirt are sucked up and collected inside the tank by strong vacuum effect.

Equipment is designed in accordance with requirement terms, usage area and the technical specifications of carrier vehicle on which the equipment is mounted.



► SEWER CLEANING JETTING TRUCK

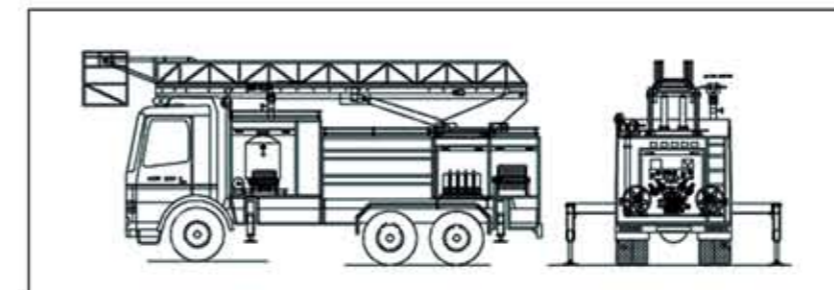
Any waste blockage shutting the sewer system is destroyed thus collecting and discharging the remaining waste processes are simplified by this operation. Sewer jetting equipment works by the principle of trusting and breaking effects of high pressured water.

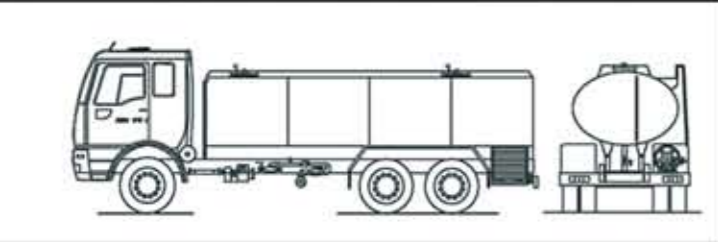


► FIRE FIGHTING TRUCK

All the fire fighting equipments, namely, fire sprinkler, water and foam tanks, chemical powder tanks, mechanical and hydraulic ladder units and complete systems are produced. Hydraulic ladder, hydraulic balancing system and balancing feet are provided to the vehicles.

Fire fighting equipments have necessary capabilities to accelerate and simplify both the first and emergency actions and produced according to your specifications.





► WATER TANK AND SPRINKLER

We are producing water tanks and sprinklers depending on your specifications and demand. These tanks are offering an economical solution for the storage of water and highly resistant to chemicals, sludge, effluent and dirty water.

These tanks and sprinklers are available in a range of sizes in accordance with the carrier vehicle's technical specifications.



► DUMP TRUCK

Dump Trucks that have proper endurance and technical specifications with respect to its usage areas are produced.

- High-technology
- High-safety
- High pro-environment
- High energy saving
- Power performance



► ROAD SWEEPERS

The Road Sweeper, with a combination of sweeping and sucking, is a new generation special vehicle (wet type) for mechanized cleaning of Cement Concrete Pavement and Asphalt Concrete Pavement, it is widely used in city roads, highways, big bridges, squares, airports, terminals, large factories and mines, etc.



- Using high quality chassis and high reliability
- Good oil saving, less energy consumption, low use-cost
- Good combination of sweeping and sucking, high cleaning efficiency; unique dust fall devices to avoid secondary pollution
- Compact structure and stainless steel materials, super-strong anti-corrosion ability
- Centralized in-cab control system, easy and fast operating
- Smooth appearance design, beautiful body pattern

URBAN FURNITURE AND LANDSCAPING

► KIDS PLAYGROUND EQUIPMENT

We aim to create relaxing environment for our kids getting lost in the city intensity. We build kids playgrounds for increasing the socialization of our kids. Playgrounds play a great importance in the mental and personal development of the kids. We design and create a lot of successful concepts with high protection and safety standards.

The advanced designing system of our company makes it possible that the customers' specific needs or ground requirements can be satisfied. The company also provides services such as overall planning for indoor and outdoor games parks, professional subject designing, instalment and maintenance.

The main product portfolio includes:

- Combined Slide
- Wooden Slide Toy
- Outdoor Training Equipment
- Swing Set
- Climbing Toys
- Outdoor Fitness
- Children Furniture



► CITY FURNITURE AND LIGHTENING

Urban Furniture namely; garden furniture, benches, litter receptacles, lighting poles, picnic tables are in this group.

Our urban furniture is designed to integrate with its environment, adding new levels of functionality. Adaptation is at the heart of the designs with the units being expandable through the addition of extra modules.

Computer supported designing and modelling is used to determine the most suitable application for your demand.

We use the most advanced production techniques and cutting-edge display technologies to tailor-make solutions that meet the needs of the city planning. We offer a comprehensive range of display products in a sense of modernism.



► GARBAGE CONTAINERS

Our Garbage Containers (waste container, refuse container) are used at the public places, city parks, apartment complexes, construction sites, industrial zones and outlet malls. The containers are environment friendly, maintained easily, strong & durable and safe for children at the international standards.

The galvanized steel garbage containers are produced at the international capacity standards of 400-800-1100 lt. Also, different capacities can be considered and produced on the customer demand.

The Garbage Containers are made of 1st quality galvanized steel. The containers are with a galvanized painted resistant to heat. Any script or logo can be written on the containers.

- 4 wheels with a rotation of 360 degrees
- Optimum accommodation on the lifting device by deeper combs
- Robust arms facilitates the use of garbage collection vehicle
- The containers are highly resistant to UV radiation.
- Body edge & lid designed for protection against rainwater
- Optimum emptying and easy cleaning



Our Plastic Garbage Containers are produced with the newest production techniques. High quality, renewable polyethylene is processed by high-pressed injection moulding. Long-run durability, resistance to chemicals, UV radiation and weather condition changes are provided by high quality material using and advanced production capabilities.



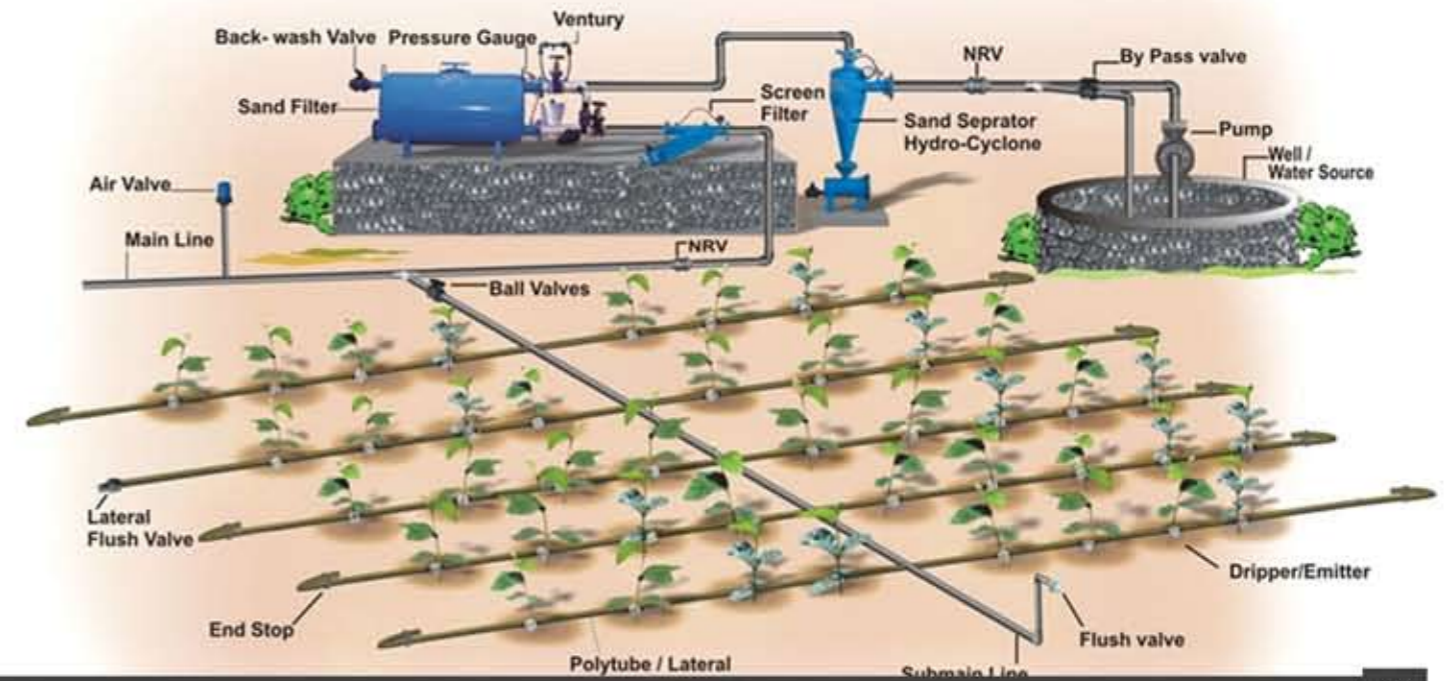
► DRIP IRRIGATION SYSTEMS

Drip Irrigation is the need of the day. Understanding the need of the hour, to take crops all year around and with scanty or unpredictable rain fall, we see farmers deploying drip irrigation systems, whereby water is used very economically.

The distance between emitters can be varied to meet the irrigation demands of different crops so that it can save water and increase output to largest extent.

Special design on emitters makes users control dripping quantity through water supply pressure according to actual water quantity needed by the crop, and makes dripping volume even for each emitter on a fixed length.

Emitters feeding, choosing, transferring, storage and quantity-fixing supply can be completed continuously and synchronously. Transfer speed can be adjusted according to production speed of drip irrigation tape, ensuring that plastic emitters can be transferred to the bonding place of drip tape accurately and then bond them firmly. The irrigation systems are suitable for large temperature difference between the climatic conditions. They provide production stability, easy maintenance, low maintenance costs.



CONSTRUCTION MACHINERY

► CARMIX MOBILE CONCRETE STATION



	Mixing unit	Engine	Transmission
Carmix 1.0	Drum Capacity 1400 liters. Real concrete output: 1 m3 per batch. Double mixing screws. Cover for emergency unloading. Drum rotation by hydraulic motor and planetary reducers. Mixing and discharging speed independent from r.p.m. Of diesel engine. Quick discharge by drum tilting.	Diesel Cummins, A1700 water-cooled, 3 cylinders. Power 28 kW. (37 HP) set at 2800 r.p.m. Electric starter.	Hydrostatic. A variable outlet pump drives the hydraulic two speed motor connected to the differential through the two speed reducers. 4 wheel driving.
Carmix 2.5 FX	Drum capacity 3450 liters. Concrete output: 2,5 m3. Double mixing screw, cover for emergency unloading. Mixing and discharging speed independent from r.p.m. of diesel engine. Discharging by reversing drum.	Turbo diesel JCB 444TC, water cooled, 4 cylinders. Power 63 KW (85HP) set at 2200 r.p.m.	Hydrostatic Bosch-Rexroth. Heavy duty differential axles with planetary reducers. Front axle swinging and steering. Rear axle fixed.
Carmix 2.5	Drum capacity 3400 liters. Concrete output: 2,5 m3 per batch. Double mixing screws, cover for emergency unloading. Drum rotation by hydraulic motor and planetary reducers. Mixing and discharging speed independent from r.p.m. Of diesel engine. Discharging by reversing drum. Quick discharge by drum tilting. The mixing unit is slewing hydraulically through 300° for high discharge at 1,9 m to the four sides of the vehicle.	Diesel PERKINS 1104 C-44 water-cooled, 4 cylinders. Rated power KW 62 (85 HP) set at 2300 rpm. Engine mounted transversal on the rear.	Hydrostatic, Hydromatic-Rexroth. Pump and motor are Kynected to the differentials through a 2 speed reducer (working and transfer). 4 wheel driving.
Carmix 3.5 T4	Drum capacity 4.750 liters. Concrete output: 3,5 m3 per batch. Double mixing screws, cover for emergency unloading. Drum rotation by hydraulic motor and planetary reducers. Mixing and discharging speed independent from r.p.m. Of diesel engine. Discharging by reverse drum. Quick discharge by drum tilting. The mixing unit is slewing hydraulically through 300° for high discharge over 2 m to the four sides of the vehicle.	Diesel PERKINS 1104 C-44 TA Turbo, water cooled, 4 cylinders. Rated power KW 80 (107 HP) set at 2300 rpm. Engine mounted transversal on the rear.	Hydrostatic, Hydromatic-Rexroth. Pump and motor are connected to the differentials through a 2 speed reducer (working and transfer). 4 wheel driving.
Carmix 5.5 XL	Drum capacity 7.600 liters. Concrete output: 5,5 m3 per batch. Double mixing screws, cover for emergency unloading. Drum rotation by hydraulic motor and planetary reducers. Mixing and discharging speed independent from r.p.m. Of diesel engine. Discharging by reverse drum.	Cummins Turbo-Diesel B5.9 TAA, water-cooled, 6 cylinders. Maximum power 112 kW. (150 HP). Engine mounted transversal on the rear.	Hydrostatic. Pump and motor are connected to the differentials through a 2 speed reducer (working and transfer). 4 wheel driving and steering.



CARMIX 1.0



CARMIX 2,5 FX



CARMIX 5,5 XL



► SINGLE POWER TROWELS



MODEL		ots70	ots95	ots120	
GENERAL	PHYSICAL	Number of Trowels			
		Single			
		Walk Behind			
	Operating Weight	80-90 kg	88-98 kg	130-140 kg	
FUNCTIONAL	BLADE	Rotor Diameter	70 cm	95 cm	120 cm
		Chassis Dimension	75 cm / circular	100 cm / circular	130 cm / circular
	Number of Blades	4 Blades			
	TROWELLING	Blade Speed	50 - 125 rpm		
		Pitch Range	0 - 20 °		
	Trowelling Area	0,39 m2	0,71 m2	1,13 m2	
ENGINE	GASOLINE	Honda	5,5 Hp	6,5 Hp	9,0 Hp
	ELECTRICAL		4,0 Hp	4,0 Hp	6,0 Hp



► REBAR BENDING MACHINE

MODEL		ob26	ob36	ob42	ob52					
GENERAL	Operating Weight	185 kg	395 kg	450 kg	720 kg					
	Power Transmission	Mechanical								
	Dimensions	70 x 80 x 80 cm	80 x 88 x 84 cm	82 x 100 x 85 cm	85 x 95 x 100 cm					
CAPACITY	# \ Strength of Steel	45 kg/mm2	65 kg/mm2	45 kg/mm2	65 kg/mm2	45 kg/mm2	65 kg/mm2	45 kg/mm2	65 kg/mm2	
		1	Ø26	Ø22	Ø36	Ø30	Ø42	Ø34	Ø52	Ø42
		2	Ø16	Ø14	Ø22	Ø20	Ø30	Ø22	Ø32	Ø30
ENGINE	Engine Type	Electrical								
	Engine Power	1,5 kW	3,0 kW	4,0 kW	7,5 kW					
	Operating Voltage	380 Volt	380 Volt	380 Volt	380 Volt					





► REBAR CUTTING MACHINE



MODEL		oc26h	oc36h	oc36m	oc42h	oc52h					
GENERAL	Operating Weight	130 kg	375 kg	350 kg	440 kg	675 kg					
	Power Transmission	Hydraulic		Mechanical	Hydraulic						
	Dimensions	60 x 90 x 80 cm	70 x 140 x 80 cm	100 x 85 x 100 cm	75 x 150 x 85 cm	85 x 165 x 90 cm					
CAPACITY	# \ Strength of Steel	45 kg/mm2	65 kg/mm2	45 kg/mm2	65 kg/mm2	45 kg/mm2	65 kg/mm2				
	1	Ø26	Ø22	Ø36	Ø30	Ø36	Ø30	Ø42	Ø34	Ø52	Ø42
	2	Ø16	Ø14	Ø22	Ø20	Ø22	Ø20	Ø30	Ø22	Ø34	Ø28
ENGINE	Engine Type	Electrical									
	Engine Power	2,2 kW	4,0 kW	3,0 kW	5,5 kW	7,5 kW					
	Operating Voltage	380 Volt	380 Volt	380 Volt	380 Volt	380 Volt					



► VIBRATORY ROLLER



MODEL		ov60	ov70	ov85	ov100	ov120	
GENERAL	PHYSICAL	Walk Behind		Ride On			
	Drive	Straight		Articulated			
	Operating Weight	650 kg	900 kg	1570 kg	2050 kg	2600 kg	
DRUM	Drum Diameter	40 cm	50 cm	56 cm	56 cm	70 cm	
	Drum Width	60 cm	70 cm	85 cm	100 cm	120 cm	
TANKS	Water Tank	30 lt	45 lt	75 lt	75 lt	75 lt	
	Hydraulic Oil Tank	30 lt	45 lt	45 lt	45 lt	45 lt	
FUNCTIONAL	TRACTION	4 km/h		7 km/h		10 km/h	
	Gradeability	40 %					
	Motion	Single Movement Engine		Double Movement Engine			
	Movement	Hydrostatical					
	Vibration	Hydrostatical					
	COMPACTION	Compaction Capacity	2400 m ² /h	2800 m ² /h	5950 m ² /h	7000 m ² /h	12000 m ² /h
ENGINE	DIESEL	Vibration Frequency	60 Hz (3600 VPM)	60 Hz (3600 VPM)	50 Hz (3000 VPM)	50 Hz (3000 VPM)	60 Hz (3600 VPM)
		Centrifugal Force	20 kN	26 kN	2 x 10,5 kN	2 x 12 kN	2 x 14 kN
		Hatz	6,3 Hp	9,3 Hp	22,0 Hp	22,0 Hp	36,0 Hp
GASOLINE	Ruggerini	6,8 Hp	10,0 Hp	x	x	x	
	Lombardini	6,8 Hp	x	x	x	x	
GASOLINE	Honda	9,0 Hp	13,0 Hp	x	x	x	



► VIBRATORY PLATE



MODEL		op40	op50	op60	
GENERAL	PHYSICAL	Forward			
	Operating Weight	90-105 kg	120-145 kg	160-175 kg	
FUNCTIONAL	TRACTION	Plate Dimension	40 x 52 cm	50 x 60 cm	60 x 70 cm
		Gradeability	30%		
	COMPACTION	Compacting Area	530 m ² /h	660 m ² /h	800 m ² /h
		Vibration Frequency	80 Hz (4800 VPM)		
ENGINE	DIESEL	Centrifugal Force	18 kN	26 kN	35 kN
		Hatz	4,2 Hp	6,3 Hp	9,3 Hp
		Ruggerini	4,8 Hp	6,8 Hp	10,0 Hp
	GASOLINE	Lombardini	4,8 Hp	6,8 Hp	12,0 Hp
		Honda	5,5 Hp	9,0 Hp	13,0 Hp
		ELECTRICAL	4,0 Hp	5,5 Hp	7,5 Hp



► FLOOR SAWS

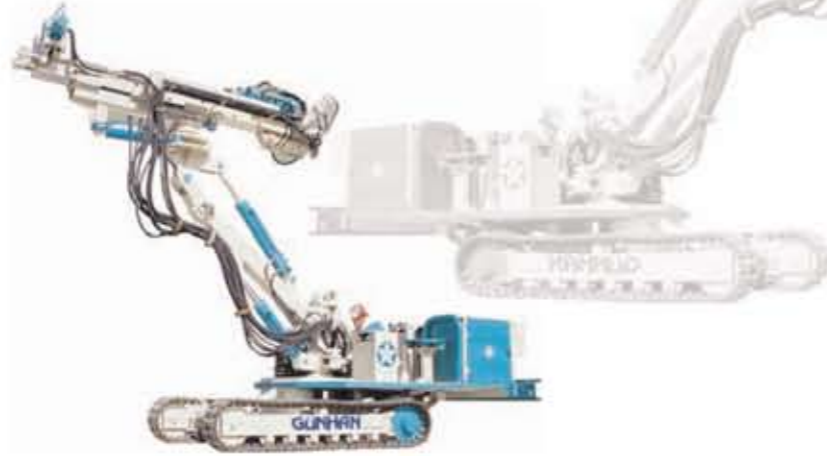


MODEL		cf15	cf18	cf20	cf25	cf35	
GENERAL	PHYSICAL	Manual / Semi-Automatic					
	Operating Weight	75-100 kg	120-160 kg	150-200 kg	300-400 kg	420-600 kg	
WATER TANK	Tank Capacity	40 lt	70 lt	90 lt	90 lt	110 lt	
	Tank Position	Internal					
FUNCTIONAL	BLADE	Possible Blades	300 mm / / 400 mm	300 mm / / 450 mm	300 mm / / 500 mm	300 mm / / 650 mm	400 mm / / 850 mm
	Maximum Cutting Depth	10 cm / / 15 cm	10 cm / / 17,5 cm	10 cm / / 20 cm	10 cm / / 25 cm	15 cm / / 35 cm	
CUTTING	Immerion System	Mechanical					
	Power Transmission	Belt	Belt	Belt	Belt	Belt	
ENGINE	DIESEL	Hatz	9,3 Hp	9,3 Hp	x	x	
		Ruggerini	10,0 Hp	10,0 Hp	12,0 Hp	20,5 Hp	38,0 Hp
		Lombardini	8,5 Hp	x	12,0 Hp	21,5 Hp	42,0 Hp
	GASOLINE	Honda	9,0 Hp	13,0 Hp	13,0 Hp	x	x
		ELECTRICAL	7,5 Hp	7,5 Hp	10,0 Hp	10,0 Hp	x



► **HYDROLIC DRILLING MACHINE**

GMS-40 THP-R



Net Total Weight	2890 Kg.
Engine Power	23 kw 1450 Rpm
Speed of Press Heading	0-1, 18 km/h
Power of Press Heading	2300 kg
Drilling Capacity	40 m
Rod Diameter	44 mm - 54 mm
Rotation Speed	200/970 Rpm
Torque	257 Nm
Travel Torque	1145 Nm
Travel Speed	1,61 km/h
Hydraulic Oil	Shell Tellus 37
Rotation Speed	738 rpm

GMS-200 THP-RA



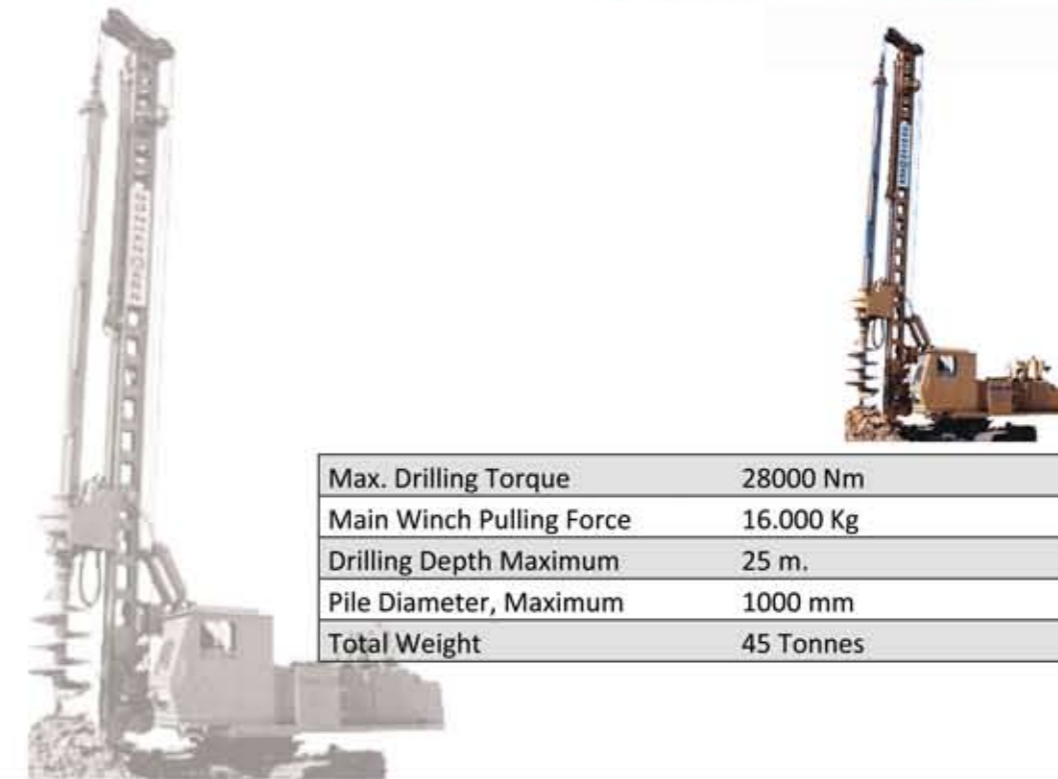
Net Total Weight	7110 Kg.
Diesel Engine Power	150 Hp
I. Gear	106 rpm / 8907 Nm
II. Gear	210 rpm / 4000 Nm
Rotation Speed	0-442 rpm
Travel Torque	3293 Nm

GMS-150 THP-RA



Net Total weight	4700 Kg.
Diesel Engine Power	74 Hp
I. Gear	130 rpm / 5142 Nm
II. Gear	246 rpm / 2726 Nm
III. Gear	430 rpm / 1558 Nm
IV. Gear	861 rpm / 779 Nm
Travel Speed	15.65 km/h
Travel Torque	3293 Nm
Drilling Type	Rotary
Drilling Capacity (NQ Wireline)	400 m.

► **PILING RIG MACHINE**



Max. Drilling Torque	28000 Nm
Main Winch Pulling Force	16.000 Kg
Drilling Depth Maximum	25 m.
Pile Diameter, Maximum	1000 mm
Total Weight	45 Tonnes

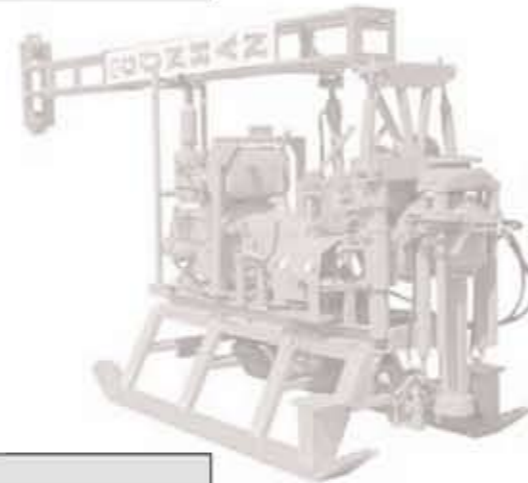
► DIAMOND CORE DRILLS

GMS-100



Capacity	
AW Drill rod	100 m.
BW Drill rod	80 m.
Length	
Feed Length	2000 mm
Max. Torque	2364 Nm
Drill Unit	
Spindle Revolution	100-700 rpm
Power Unit	
Electric Motor	24 kw (32 Hp)

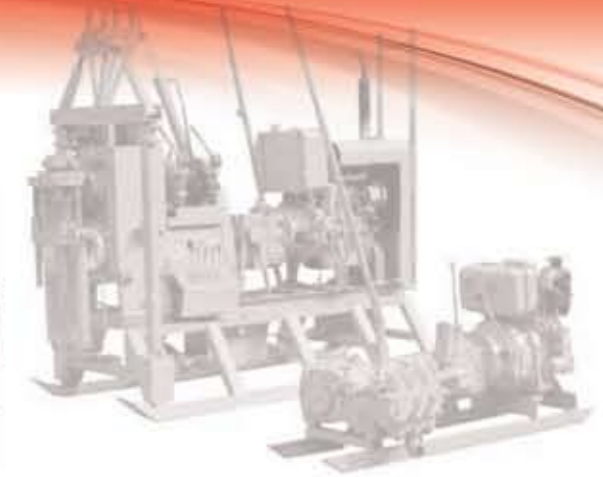
GMS-300



Capacity	
Aw Drill Rod	300 m.
Bw Drill Rod	200 m.
Spindle Head	
Hydraulic feed	
Spindle internal dia.	92 m.
Spindle feed length	500 mm
Drilling angle range	0-360°
Feed force	3600 kg.
Lifting force	4900 kg.

The chuck shafts is hexagonal and can withstand external blows.

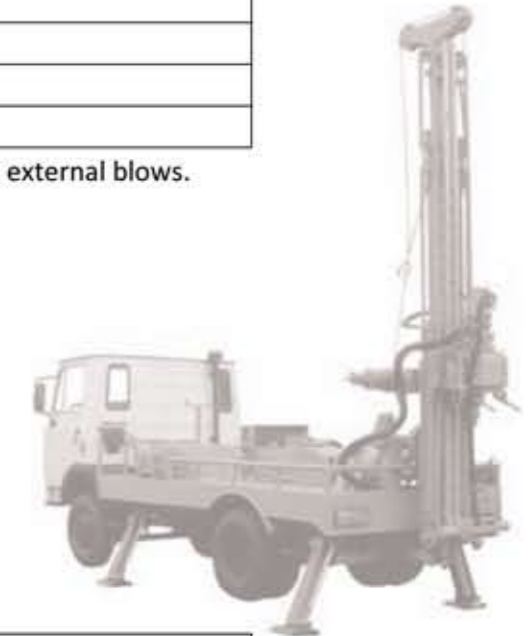
GMS-1000



Capacity	
42 mm Drill Rod	900 m.
AW Drill Rod	650 m.
BW Drill Rod	625 m.
Spindle Head	
Hydraulic Feed.	
Spindle Internal dia.	92 mm.
Spindle feed length	500 mm.
Spindle angle range	0-360°
Feed force	6000 kg.
Lifting force	9000 kg.

The chuck shaft is hexagonal and can withstand external blows.

GMS-150



Diesel Engine Power	84 Hp
Speed of Press Heading	0-11 m/s
Power of Press Heading	20.000 Kg.
Drilling Capacity	150 m.
Rod Diameter	44 mm-54 mm-66 mm
I. Gear	55 rpm / 13356 Nm.
II. Gear	100 rpm / 7251 Nm.
III. Gear	170 rpm / 4770 Nm.
IV. Gear	300 rpm / 2862 Nm.
Hydraulic Oil	Shell Tellus 37
Flush Pump	80 l/min.

► HYDRAULIC WATER DRILLING

GMS-400 SHR

Deck Engine	
Revolution	2500 rpm
Manufacture	Mercedes
Model	OM 366 LA
Power	210 Hp (155 kw)
Truck	
Optional	Mercedes, BMC, MAN, Ford
Installer Power	220 Hp
Mast	
Mast Weight	10,6 m.
Pull Down	
Pull Down Force	17.000 kg
Pull Back Force	20.000 kg
Length of Stroke	8 metres
Power Swivel	
I. Gear	60 rpm / 19392 Nm
II. Gear	113 rpm / 10576 Nm
III. Gear	178 rpm / 5876 Nm
IV. Gear	300 rpm / 3231 Nm
Hydraulic Winch	
Line Pull	4.5 t
Rope Speed	2 m/sec
Drum Capacity	250 m (6 mm dia. rope)
Flushing Units	
Piston Mud Pump	
Type	Douplex 5"x6"
Flow Rate	720 l/min.
Service Pressure	25 bar
Foam Injection Pump	
Flow Rate	75 l/min.
Service Pressure	30 bar
Transport Dimensions	
Width	2,5 m.
Length	10.1 m.
Height	4.2 m.
Weight	19.750 Kg.



► MINI EXCAVATORS

GMS-KZ 25



General	
Total Weight	3320 Kg.
Engine	
Brand-Model	Pancar Motor - Z 108
Type	Two cylinder, air cooled, rechargeable
Power	1750 rpm / 28.6 Hp
Hydraulic System	
Max. Working pressure	180 bars
Cooling System	12 V. Fan and radiator
Manual proportional joystick controlled distributor valve can control all the	
Crawler system	
Hydromotors	Two independent controlled hydromotors in left and right
Brakes	Automatic Hydraulic brake
Crawler Speed	Max. 3km/h
Type of Crawler	Rubber, changable type

► **HORIZONTAL THRUST BORING MACHINE**



Horizontal Thrust Boring Machines are designed to bore for the inevitable needs of many public works and construction applications, - the coated holes of diameters between 10 inch and 60 inch.

It is the essential equipment in your horizontal pipe driving applications through several structures such as highways, roads, and railways.

Fast and easy usage, efficient performance, outstanding power and superb engineering are the basic features our Horizontal Thrust Boring Machines.

Optional Equipments: Extra tracks, augers, cutting heads, automatic thrust bore and hydraulic crane, high pressure system, providing a thrust of 200 tons employing a pressure pump.

Cutting heads: The cutting heads are designed to be long lasting at maximum efficiency in horizontal boring applications.

Heavy Duty Rock Heads: These tough and proven heads are at a shape of "V" for self - centralization which results in a directional movement. These heads are ideal in rocky and relatively less hard environments with fast substituted cutting heads.

Combination of Heads: Rock and soil cutting heads are ideal in environments with big rocks, soft rocks and clayey soils.

Mud Cutting Heads: These high-quality cutting heads are applicable in boring works in all places except rocky ones. They are recommended for horizontal pipe driving of diameters less than 300 mm.

► **CONCRETE PUMP MACHINE and EQUIPMENTS**



Some Samples;



- Pump End Pipe 4m
- Concrete Pump Pipe (3mt flanged)
- Gasget
- Concrete Pump 5 1/2" Handled Clamp
- 5,5 Inc 90 Degree Elbow
- Double Eyed Plate
- Mixer Mil Set
- Mixer Sfero Cap
- Mixer Gasget
- Mixer Pad
- 200 mm Rubber Piston
- Hydraulic Cylindir Pad Set
- Single Klepe Piston Pad Set
- Single Klepe Piston
- Connecting Flange
- Single Fraised Fork
- Klepe Piston Y-Fork
- 240" Sealing
- 95" Sealing
- 240" Chromed Bearing
- 95" Chromed Bearing
- Pressure Ring
- Pressure Gasget
- Cyber Pad set
- Big Steel Bearing
- S Valve
- Single Eyed Plate

► SPARE PARTS FOR CONSTRUCTION MACHINERY



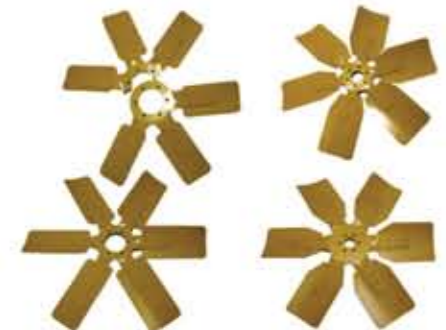
We are producing replacement Parts for Caterpillar, Komatsu and Volvo etc. Any replacement parts for earthmoving machines are produced that are as qualified as the genius parts with warranty and selling directly "from producer to customer".

We are able to produce any special parts with depend on the technical data and technical drawing. We have professional staffs such as Mechanical Engineer, Metallurgical Engineer and quality control department for producing the best parts with low prices.

- Quality Controlling Department controls each part before packaging.
- Research and Development Department deals with production process.

The product group includes;

Engine Bearing Group, Transmission Group, Water Pump Group, Torque Converter Group, Differential Group, Final Drive Group, Brake and Axle Group, Front Idler Group, Bevel Pinion and Gear Group, Universal Joint and Flexible Coupling Drive Group, Roller Frame Group, Equalizer Bar Group, Pins and Bushing Group, Ground Engaging Tools Group, Seals Group, Miscellaneous Parts (Radiator, Fuel Priming Pump, Prescreener Body, Oil Cooler, Oil Pan Air, Air Compressor, Battery, Gaskets, Muffler, Hydraulic Couplings, Wheel Rims, etc.)



OTHERS

► CAR WASHING SYSTEMS

The complete machine is machined with international standard parts with the advantages such as antirust treatment and surface spray coating treatment.

- All of the machinery is made of high-tech. anticorrosive materials (anticorrosive steel, aluminum, plastics)
- The body of the machine is oven dried after galvanization, phosphate and electrostatic paint powder covering
- The machine is run by PLC system (computerized control)
- The redactor, solenoid valves and electronics of the machine is supplied by from 1st quality material at the world standards.
- The Machine is having shampoo spraying system.
- Soft Start and Soft Closing system is used for preventing the corrosion of the gear box.
- Frequency Invertor is used for preventing the early corrosion of carrying wheels and rails.
- There is a sensitive pressure unit on the horizontal sweeper adjusting the pressure on the car.



► **SPARE PARTS for SUBWAY TRAINS**

We are producing spare parts for subway trains. The Electronic Cards, Data Encoders, Push Back Springs, L-Contacts, Arc Contacts, Arc Shoes, Bridge Contacts, Long Stable Contacts, Stable Contacts, Door Control Sensors, Air Cylinders, By-Pass Switches, Bogies, Safety Lock Mechanisms, Emergency Door Mechanisms etc. in Ostim.



► **ACCESS CONTROL SYSTEMS**

The Access Control Systems are serving proudly in stations, airports, ports, fair grounds, recreation areas, governmental organizations and private corporations for paid or non-paid access controls.

Both access control hardware and software are manufactured. Systems that we produced are serving to millions of people. We are designing access control systems according to our presenting the best solution.

With the aesthetic appearance of our access control hardware, an elegant presentation is provided and prestige is produced in application points. With the modular design, any solution can be provided to physical and systematical needs and constraints.

