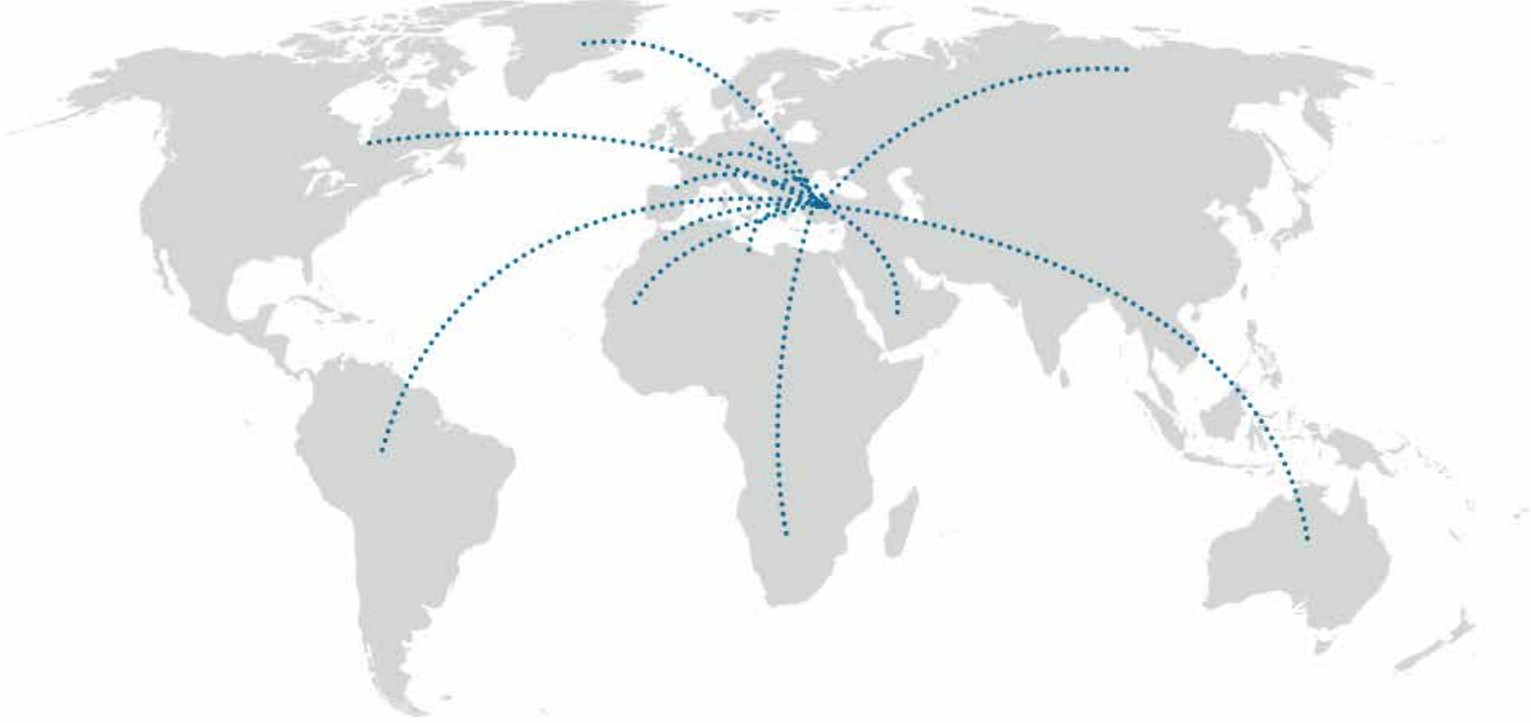


CATALOG / PRODUCT



23 .year





Our targets in the sweeper machine manufacturing are Quality, Technological and Economic Productions. Our company is engaged since 1999 until today with the manufacture and sale of sweeping machine.

The products provided both to the domestic and global market have become to be demanded and preferred brands.

Branding is the primary target adapted when manufacturing; and the created brands are embraced by the customers with their quality.

ÜSTÜN-EL MAKINA incorporating brands i.e. FIL, BÖCÜKK, MARATHON and HDS2000 has the conscious that cleanness is an indispensable requirement of the humankind. ÜSTÜN-EL MAKINE, using its knowledge and background in order to forward and has put its targets as Quality, Technological and Economic manufacture.

- 1999** ESTABLISHMENT
- 1999** FIRST PRODUCTION – MRT Tractor Towed Road Sweeper Machine
- 2004** Truck Mounted Vacuum Road Sweeper Machine
- 2009** FIL Vacuum Road Sweeper Machine
- 2013** Truck Towed Elevator Road Sweeper Machine
- 2016** HDS2000 Hydrostatic Road Sweeper Machine
- 2017** BIG FIL Hydrostatic Leaf Collector Machine
- 2018** HDS2000 %100 Electrical Road Sweeper Machine
- 2020** ZIPO Multi Functional Transporter
- 2021** CRAB Mini Road Sweeper Machine
- 2022** SPONGE Road Sweeper Machine (Electrical/Diesel)

TRUCK MOUNTED ROAD SWEEPER MACHINE (From 2 to 12 m³)



TECHNICAL SPECIFICATIONS

TECHNICAL PARAMETERS	UST3000	UST4000	UST5000	UST6000	UST8000
Auxiliary Engine (Diesel, 4 cylinder)	80 HP Turbo	95 HP Turbo	95 HP Turbo	95 HP Turbo	95 HP Turbo
Sweeping Performance (15 km/h)	27750 m ² /h	31500 m ² /h	33750 m ² /h	36000 m ² /h	36000 m ² /h
Garbage Tank Capacity	3 m ³	4 m ³	5 m ³	6 m ³	8 m ³
Side Brush Diameter	320 mm	320 mm	400 mm	400 mm	500 mm
Middle Brush Diameter	400 mm	400 mm	400 mm	400 mm	400 mm
Middle Brush Length	1300 mm	1300 mm	1300 mm	1300 mm	1300 mm
Max. Sweeping Width	1850 mm	2100 mm	2250 mm	2400 mm	2400 mm
Water Tank	500 lt	1100 lt	1500 lt	1500 lt	1750 lt
Water Pump	5 bar	5 bar	5 bar	5 bar	5 bar
Hydraulic Oil Tank	80 lt	80 lt	80 lt	80 lt	80 lt
Suction Hose Diameter	180 mm	180 mm	230 mm	230 mm	230 mm
Suction Hose Length	850 mm	850 mm	950 mm	1000 mm	1100 mm
Sweeping Speed	1-15 km/h	1-15 km/h	1-15 km/h	1-15 km/h	1-15 km/h

HDS2000 %100 ELECTRICAL ROAD SWEEPER MACHINE



SPONGE %100 ELECTRICAL ROAD SWEEPER MACHINE



TECHNICAL SPECIFICATIONS

Hopper Capacity	2 m3
Payload Capacity	1.5 Tons
Water Tank	400 lt
Engine	72 kW
Type	AC
Battery Type	Lithium
Max. Slope	24%
Operation Type	100% Electrical
Side Brush Diameter	400 mm
Suction Nozzle Diameter	200 mm
Suction Nozzle Wheel Diameter	120 mm
Suction Nozzle Width	810 mm
Suction Width	2000 – 2850 mm
Tyres	225 / 70 R 15 C
Wheelbase	1850 mm
Discharging Height	1700 mm
Discharging Angle	85o ± 5o
Watering Nozzle Pump Output	5 lt / 58 bar (electrical pump)
Sweeping Speed	10 km/h
Cruising Speed	24 km/h
Gradeability	25%
Fan	8000 m3/h
Operational RPM	0 – 3000 RPM

TECHNICAL SPECIFICATIONS

Hopper Capacity	1 m3
Payload Capacity	500 lt
Water Tank	200 lt
Engine	48 kW
Type	AC
Battery Type	Lithium
Max. Slope	24%
Operation Type	100% Electrical
Side Brush Diameter	300 mm
Suction Nozzle Diameter	200 mm
Suction Nozzle Wheel Diameter	120 mm
Suction Nozzle Width	810 mm
Suction Width	1300 mm
Tyres	155 65 R13
Wheelbase	1050 mm
Discharging Height	1600 mm
Discharging Angle	85o ± 5o
Watering Nozzle Pump Output	5 lt / 58 bar (electrical pump)
Sweeping Speed	10 km/h
Cruising Speed	24 km/h
Gradeability	25%
Fan	4000 m3/h
Operational RPM	0 – 3000 RPM

HDS 2000 HYDROSTATIC ROAD SWEEPER MACHINE



SPONGE HYDROSTATIC ROAD SWEEPER MACHINE



TECHNICAL SPECIFICATIONS

Hopper Capacity	2 m3
Payload Capacity	1.5 Tons
Water Tank	400 lt
Hydraulic Tank	100 lt
Engine	74 kW/2600RPM
Type	Water Cooling Diesel
No. of Cylinders	4
Emission	EPA Tier 3 and EU Stage 3A
Operational RPM	1600 RPM
Side Brush Diameter	400 mm / 0-200 rpm
Suction Nozzle Diameter	200 mm
Suction Nozzle Wheel Diameter	120 mm
Suction Nozzle Width	810 mm
Suction Width	2000 – 2850 mm
Tyres	225 / 70 R 15 C
Wheelbase	1850 mm
Discharging Height	1700 mm
Discharging Angle	85o ± 5o
Watering Nozzle Pump Output	5 lt / 58 bar
Sweeping Speed	10 km/h
Cruising Speed	24 km/h
Gradeability	25%
Fan	8000 m3/h
Operational RPM	0 – 3000 RPM

TECHNICAL SPECIFICATIONS

Hopper Capacity	1 m3
Payload Capacity	500 lt
Water Tank	200 lt
Hydraulic Tank	100 lt
Engine	40HP/2600RPM
Type	Water Cooling Diesel
No. of Cylinders	4
Emission	EPA Tier 3 and EU Stage 3A
Operational RPM	1600 RPM
Side Brush Diameter	300 mm / 0-200 rpm
Suction Nozzle Diameter	200 mm
Suction Nozzle Wheel Diameter	120 mm
Suction Nozzle Width	350 mm
Suction Width	1300 mm
Tyres	155 65 R13
Wheelbase	1050 mm
Discharging Height	1600 mm
Discharging Angle	85o ± 5o
Watering Nozzle Pump Output	5 lt / 58 bar
Sweeping Speed	10 km/h
Cruising Speed	24 km/h
Gradeability	25%
Fan	4000 m3/h
Operational RPM	0 – 3000 RPM

BIG FIL HYDROSTATIC LEAF COLLECTOR MACHINE



TECHNICAL SPECIFICATIONS

Garbage Tank	400 lt
Water Tank	50 lt
Suction Nozzle Width	500 mm
Brush Diameter	250 mm
Wheelbase	1125 mm
Weight	850 kg
Wheel Diameter	450 mm
Engine	40 HP @3000 RPM
Fuel Type	Diesel
Operation Speed	8 km/h
Cruising Speed	25 km/h
System	Hydrostatic
Dimensions	1220 x 2600 x 2200 mm
Hose Diameter	200 mm

FIL BATTERY POWERED ROAD SWEEPER MACHINE (24V~48V)



FIL GASOLINE POWERED ROAD SWEEPER MACHINE



TECHNICAL SPECIFICATIONS

Silent Operation

8-12 Working Hours with full charge

4x12 V Batteries (4x6 V optional), 1 piece motor for

Each one of Traction and Fan

Polyester Bodywork

Electrical Fan System

6 km/h movement speed

Back and Forth Movement

Electro Galvanized, corrosion resistant chassis

Dimensions: 850 x 1775 x 1670 mm

Impact resistant 115 mm suction pipe

240 liter garbage tank

Able to climb to sidewalks with the height of 12 cm

Battery charging equipment

Controllable by both left or right hand

TECHNICAL SPECIFICATIONS

Gasoline powered drive

Manual controllable by both left and right hand

13 HP engine power

Weight: 120 kg

115 mm suction pipe diameter

Able to climb to the height of 12 cm

Operation Speed: 0-6 km/h

240 lt garbage tank capacity

Dimensions: 900x1775x1790 mm

Sound Level: 80 dB lwa 30 from 4 meters

Operation time with full fuel: 20-25 hours

Gradeability: %25

12V Electrical system

Hydrostatic drive (back and forth)

27 lt fuel tank

ZIPO MULTI FUNCTIONAL TRANSPORTER



TECHNICAL SPECIFICATIONS

Maximum Engine Power	1200 W
Max. Speed	6 km/h
Gear System	Back/Forth – Electronic
Brakes	Hydraulic controlled front, E/M controlled rear brakes
Max. Slope	20%
Gross Weight	200 Kg.
Battery Type	Li-Ion
Charge Output	48V / min. 15A – max. 30A
Operation Voltage	48V
Charging Time	6-8 Hours
Range	30-45 km (depends on usage and road conditions)
Working Hour	8 Hours
Radius of rotation	2.5 – 5 meter
Chassis material	ST37
Dimensions (W x L x H mm)	869x2181x1750 mm
Tires (Front and Rear)	Front – 225/40-10 // Rear 16.5 x 6.5-8
Capacity of garbage tank	240 Lt

Brand new, Lights for night time operation (LED front and rear lights), rotation light, compartment for operator's materials

Optional features: Leaf Blower, Water Gun, Faster Driving

Special user friendly design, eco friendly, rapid, ergonomic, aerodynamic features for garbage collecting. When it is required, different features and different equipments are attachable.

CRAB MINI ROAD SWEEPER MACHINE



TECHNICAL SPECIFICATIONS

Traction Motor	48V
Front Brush Motor / Middle Brush Motor	1800 RPM / 24V - 3000 RPM / 24V
Fan Engine	3500 RPM / 48V
Battery	48V Li-Ion
Water Tank	8 lt
Garbage Tank (Bottom/Upper)	70 lt / 50 lt
Suction Hose Diameter / Length	100 mm / 1200 mm
Sweeping Width	1300 mm
Front Tyre / Rear Tyre	200-50 / 4.00-8
Autonomy	8 hours
Dimensions (without seat)	1020 x 2100 x 1100 mm
Length with seat	2800 mm
Weight (with seat/without seat)	300 kg / 260 kg
Movement Speed	5 km/h
Braking System	Electro Magnetic Brake
Noise Level	90 dB
Working Slope	20%
Dust retention filter	1 piece cassette filter
Front Camera	YES
Beacons	On top of both front brushes (orange color)
Water Nozzles	1+1 for high water pressure
Horn	YES
Walking Light	White LED Light
Suction hose with holder	YES. 100mm diameter. Plastic with PVC ending. 1200mm length
Emergency Stop Button	YES
Frame Material	Steel
Battery charger element	Operation time:6-8 hours with fully charged Charging time:6 hours
Charging Cycle	2.000 times 100% 2.000 times 80%

CRAB MINI SWEEPER provides both riding and walkback options for operation. CRAB has the ability to sweep and clean even the sharpest corners and hard-to-reach areas. With its improved special design, its operational capacity has been increased by 30%.

KOBRA TRUCK TOWED ROAD SWEEPER MACHINE



TECHNICAL SPECIFICATIONS

Engine	75kW EURO3
Rear Brush Diameter / Length	900 mm / 1300 mm
Front Brush Diameter	900 mm
Sweeping Width	2500 – 3000 mm
Dimensions	2300 x 6500 x 3500 mm
Conveyor	800 mm width, continuous turning (adjustable speed)
Elevator	Aluminium bracket installed on 3 pieces rubber typed belt
Water Tank	1150 lt
Water Pump	20 lt/min – max. 100 bar
Watering Nozzles	12 pieces
Cooling System	Oil cooling integrated to water cooling radiator
Hydraulics	Vickers, Sam, Casappa
Tires	215/75 R17.5
Fuel Tank	80/200 lt
Oil Tank	200 lt
Gross Weight	4200 kg
Sweeping Speed	25 km/h
Cruising Speed	40 km/h

MARATHON TRACTOR TOWED ROAD SWEEPER MACHINE



TECHNICAL SPECIFICATIONS

TECHNICAL PARAMETERS	MRT1200	MRT1600	MRT2000
Garbage Tank	1200 lt	1600 lt	2000 lt
Discharging Height	1800 mm	1900 mm	1900 mm
Sweeping Capacity	21200 m ² /h	22000 m ² /h	22800 m ² /h
Weight	1350 kg	1600 kg	1850 kg
Sweeping Width	2120 mm	2200 mm	2280 mm
Front Brush	500 mm	500 mm	500 mm
Rear Brush Diameter / Length	780 mm / 1040 mm	780 mm / 1040 mm	780 mm / 1040 mm
Water Tank	500 lt	500 lt	600 lt
Oil Tank	60 lt	60 lt	60 lt
Watering Nozzles	10 pieces	10 pieces	12 pieces
Sweeping Speed	1-10 km/h	1-10 km/h	1-10 km/h
Tractor Shaft Speed	540 RPM	540 RPM	540 RPM
Water Pump	40 bar	40 bar	40 bar
Irrigation Hose	10 mt	10 mt	10 mt



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