



CEKSAN
SWEEPERS



SmartBee

100% Electrical Road Cleaning Robot



Sole distributor in the UAE

HALA
LIFTING > MOVING > LEADING

Serving the UAE since 1998

Powerful Vacuum Cleaner: SmartBee vacuum picker is 100% electrical without any CO₂ emission while working.

It is capable of collecting wastes such as paper, cartoon, cans, cigarette butts and packages, leaves, broken glass pieces, plastic or metal bottles, pet wastes, steel or aluminium cuttings and similar remainders on surface. It operates long hours with one charged battery.



SmartBee can be operated on all types of ground such as tarmac, concrete, lawn, cinder tracks, sand, paving etc.



Area of Use: SmartBee is designed to operate not only in cities or industrial areas but also to clean pavements, roads, alleyways, parks, tree gratings, markets, factories, workshops, car parks, halls, rooms, docks, stations, gardens. Because it is equally effective outdoors and indoors. It enables realization of cleaning plans within shorter periods with just one operator while ensuring high productivity.

It is an urban and industrial sweeper which is ideally suited for practical and efficient usage in the small and narrow areas that a sweeper with brooms can not operate.



Remote Controller and Following Function: SmartBee has user following function through recognition of distance with remote controller which is equipped with bluetooth (spec, v2,0 + EDR, Class 1, working distance) UWB (3,5-6,5 GHz), 2 channel. Robotic following function allows non-stop and effective cleaning.

Sensors: The machine is equipped with radar and ultrasonic wave sensors which detect pedestrians or obstacles during operation and they prevent the machine from hitting.

Climbing and Parking Brake: Driving transmission installed on the front driving of the SmartBee allows smooth driving in areas with up to 20% of angle inclination. Automatic brake system allows the operator to work on even sloping roads.

Steering: It is easy to operate the machine since it is designed with steering and rear wheel drive functions.



Foothold: SmartBee allows the operator to drive by boarding on the machine. Foothold equipped on it provides much easier and faster cleaning for long distances. The user can store it easily when walking with the machine instead of boarding.

Brushes: Brush up and downs can be adjusted on the control panel and remote controller by the help of electric cylinder 24V-CWM40-150S. Two brushes collect the materials in front of the suction nozzle and allow the operator to clean the surface at the rate of 3000m²/h.

Control Panel: Ergonomic and user-friendly control unit enables the operator to run all the functions of the machine drive the sweeper simultaneously.

Safety and Directions: Direction and warning signs, flashing light are located on all necessary points. Emergency stop button is clearly visible on the dashboard, and activated by punching.

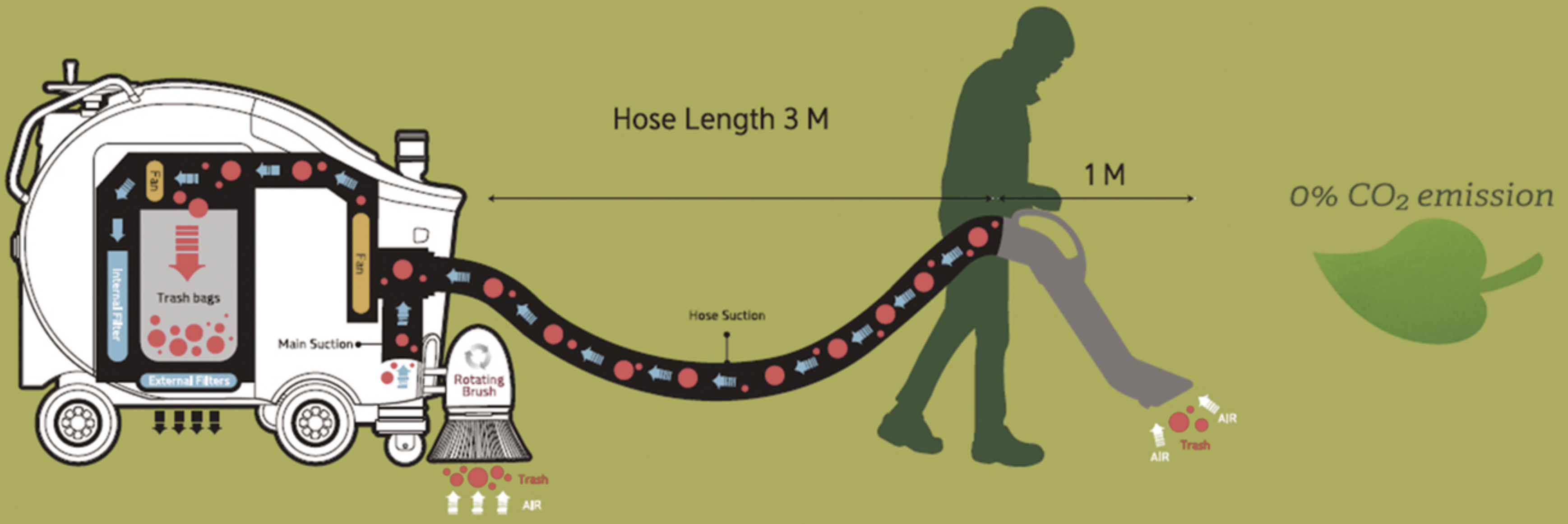
Charger: All machines are equipped with charger 220V/60 Hz, 24V-25A.

Short Term Lead Time: Çeksan keeps stocks on hand time to time, and has a flexible production program in order to provide delivery terms shorter than average of the sector.

Çeksan in more than 50 countries
in 6 continents



Service and After Sales: Çeksan organizes periodical trainings for operators, shares all maintenance schedule as earlier as sales process in order to ensure full valid warranty conditions, and establishes an easily and fast accessible network for spare parts supply. When a technical issue rises beyond capabilities of customers to solve, our company provides in place support thanks to expert team within company organization.



- Movement speed can be adjusted non-gradually for 0-6 km/hr.
- It is not needed more than 1 operator. It saves time, reduces effort, improves safety and makes work more comfortable.
- It is cost effective and requires almost no maintenance.
- Any types of garbage bags such as vinyl, nylon, non-woven fabric can be used on the bin.

Suction Motor	BLDC 24V-1 KW
Driving Motor	24V-800W
Battery DC	24 V-200 A
Sweeping Width	1 m
Suction Pipe	4 m / Ø150
Filters	2
Climbing Capacity	20%
Garbage Bin	100 L / 700x800 mm
Optimum Performance	4-6 hours
Speed	0-6 km/h
Noise	<80 dB
Machine Length	1750 mm
Machine Height	1310 mm
Machine Width	940 mm
Weight	230 kg
Remote Controller	Equipped
Robot Function	Equipped
Sensor	Equipped
Brake	Equipped
Charger	Equipped
Directions	Equipped
Emergency Stop	Equipped
Battery Load Indicator	Equipped



ISO 9001



ISO 14001



OHSAS 18001



CE CityRay



CityMouse



CE Cammello



CE Hamarat



CE BatteryFly



CE SmartBee



TSE



PM 10



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