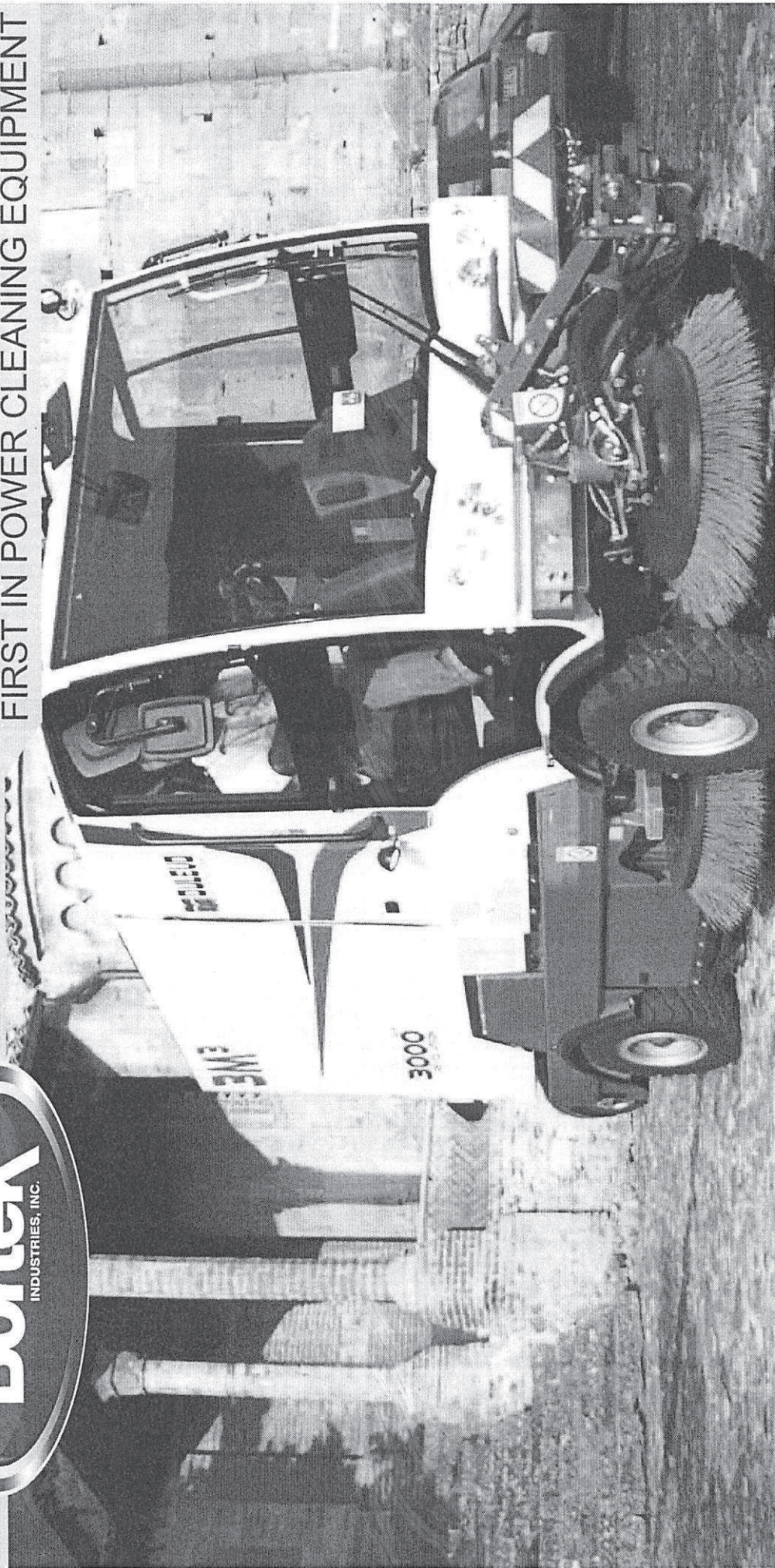




A FAMILY COMPANY SINCE 1967

DULEVO 3000
REVOLUTION
INDUSTRIAL GRADE STREET & PARKING LOT SWEEPER

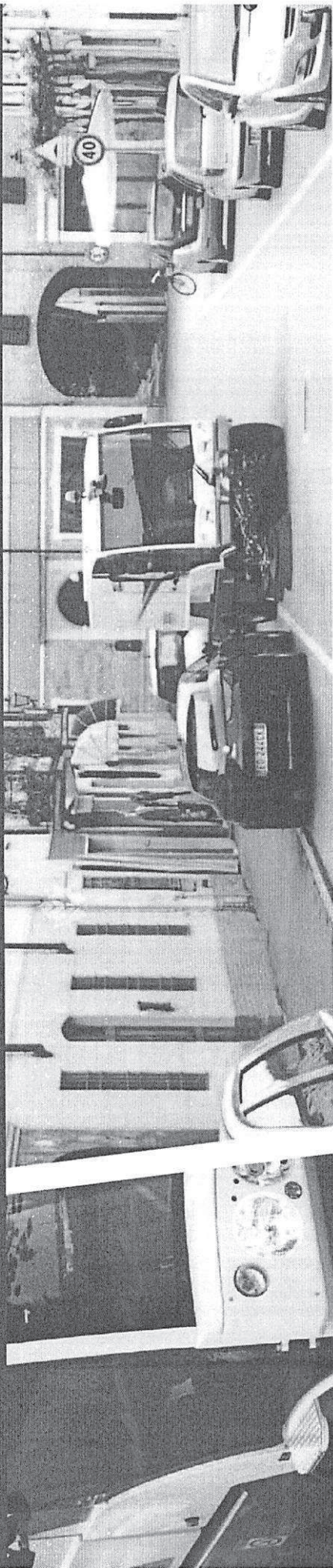
FIRST IN POWER CLEANING EQUIPMENT



SWEeperLAND.COM

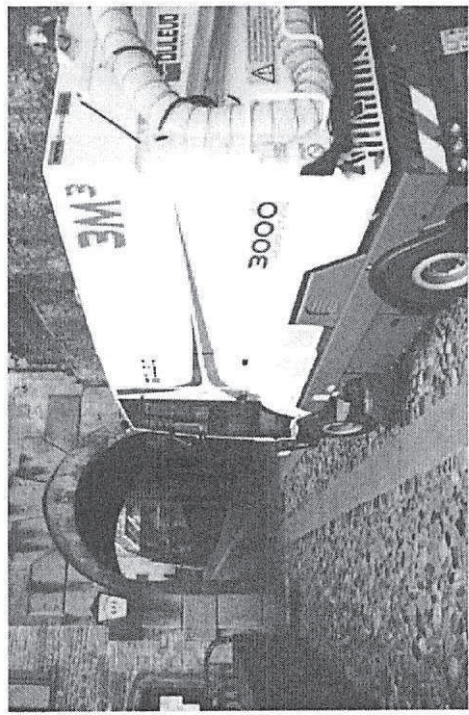
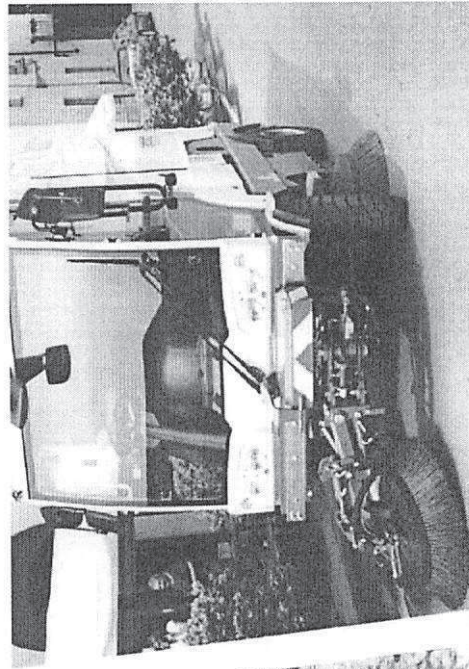
 **EQUIPMENT**  **PARTS**  **RENTALS**  **SERVICE**  **SUPPLIES**

YOUR CLEANING SOLUTIONS RESOURCE™



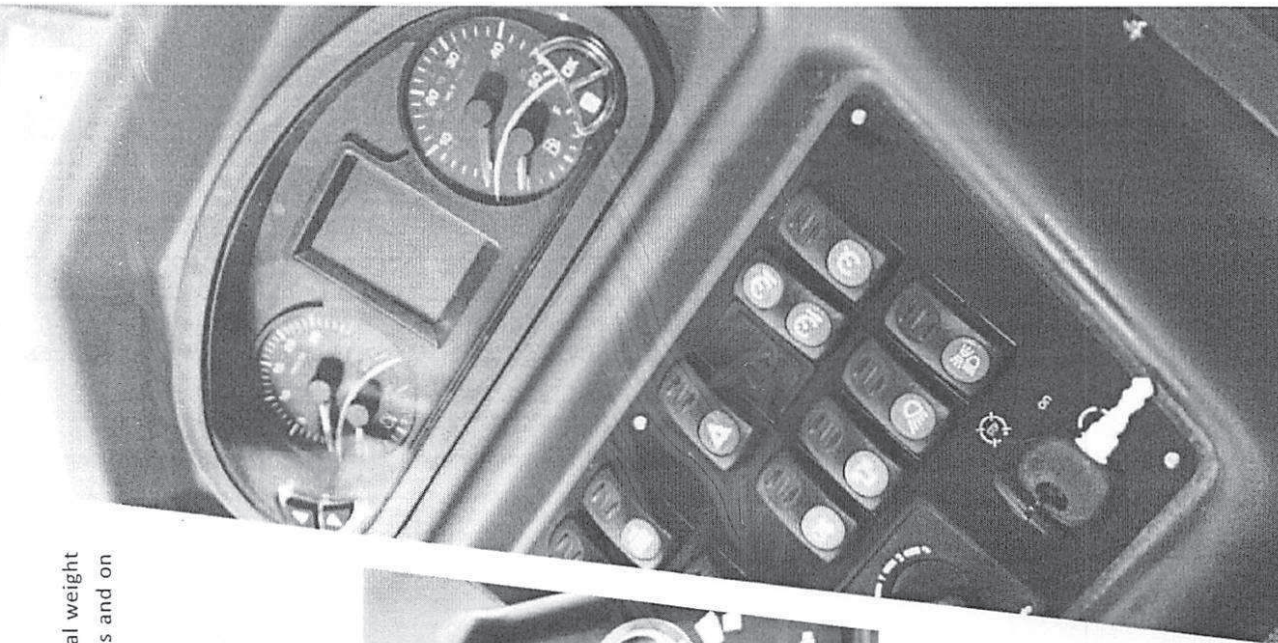
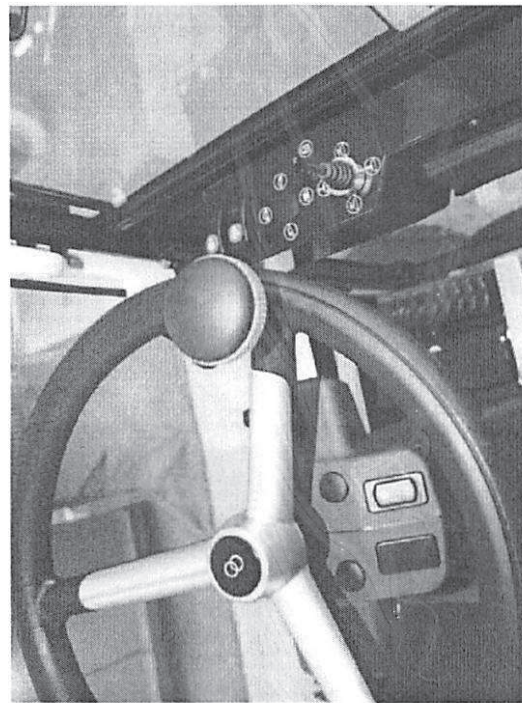
Concept

Design, innovative and robust constructions, effective solutions for all applications and the unique large waste hopper make the Dulevo 3000 Revolution the perfect working tool for all seasons – everywhere and at any time – regardless of high or low temperatures, sun, rain or snow. Up to date technology and top-quality components ensure the high quality demands of the market – a guaranty of longevity.



Comfort

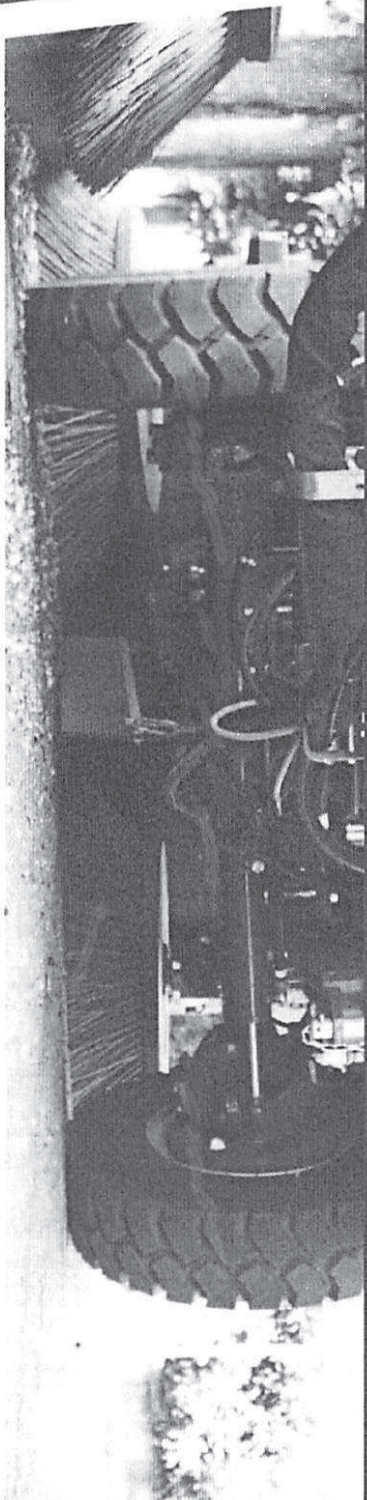
Operators comfort and ergonomics are our priority together with application specifications. Effective axle suspensions and ideal weight distribution insure a balanced and safe drive ability. The powerful drive transmission guarantees the use in difficult conditions and on slopes too.



Cabin

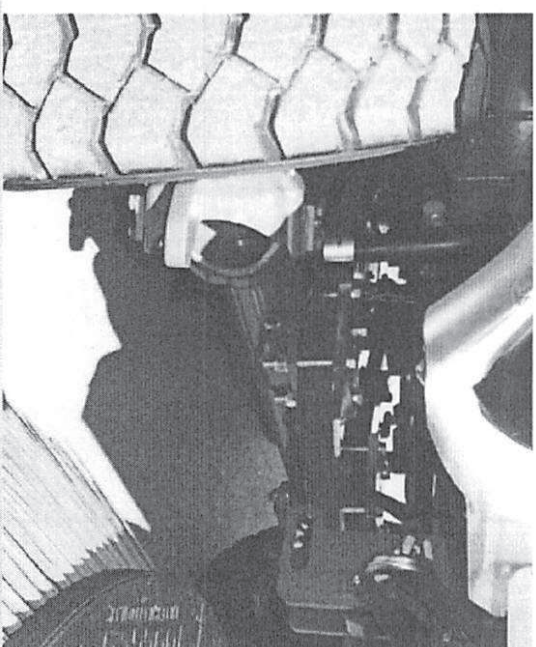
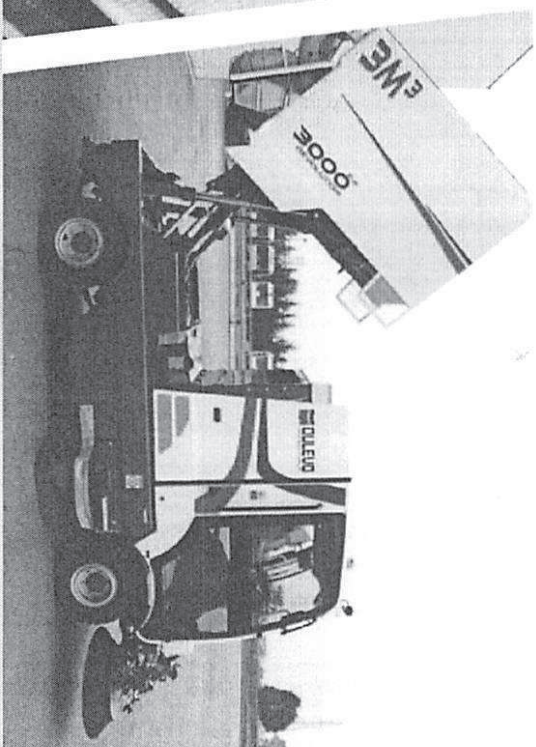
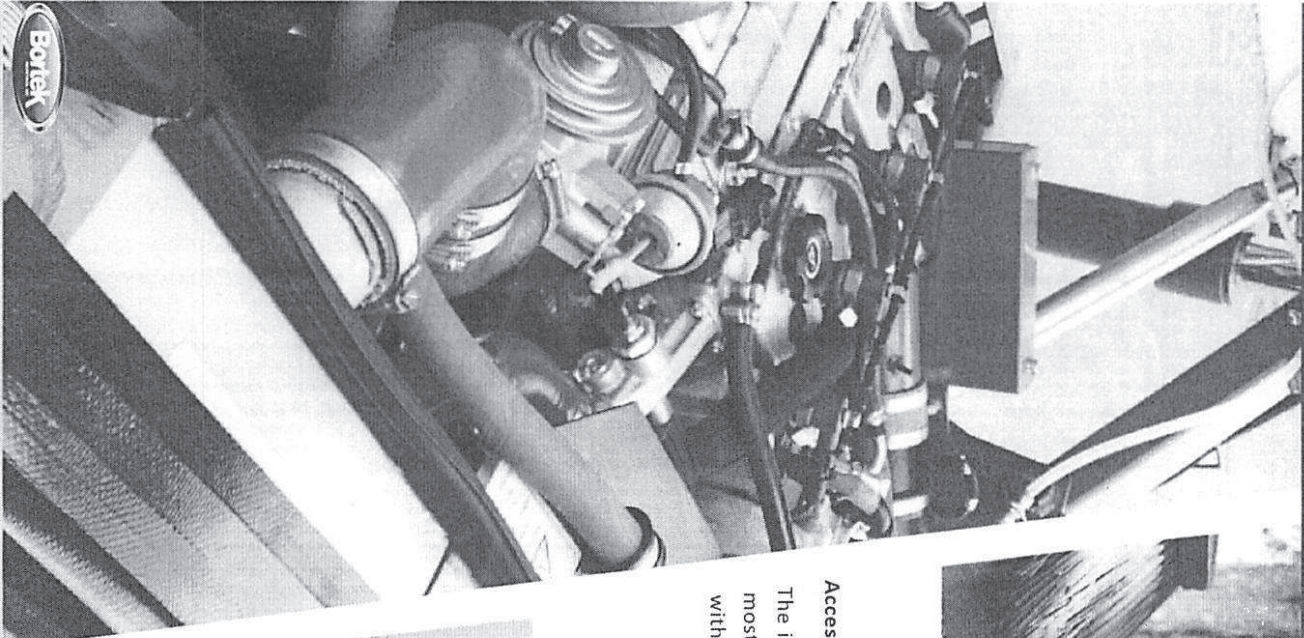
The generous interior space of the cabin and the quality seats make the machine an extremely comfortable workplace. An additional insulation and springs protect the operator from noise emissions and vibrations. The large window surfaces of the cab allow the all-round view of the working area. The standard equipment includes heated mirrors, air condition and a charging plug for mobile devices.





Access & Service

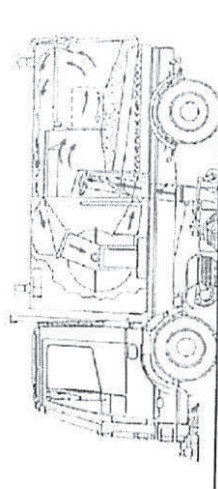
The innovative, modular structure with the unique tiltable cabin and the on-top-centred position of all main components allow the most simple access to all important components for service and maintenance. Dulevo 3000 Revolution is fully hydrostatic driven without the use of any electronic components.



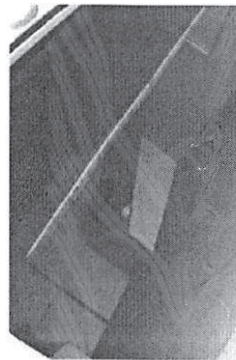
Environment

Dulevo and environmental awareness have gone hand in hand since the start. Lowest noise, dust emission, lowest water and fuel consumption are the basic concept of Dulevo 3000 Revolution. With a proofed fine dust reduction of 100% (compared to standard suction sweeping equipment) and a water saving of up to 60%, Dulevo 3000 Revolution fulfils all the environmental future demands. The engine respects the latest US emission regulations.

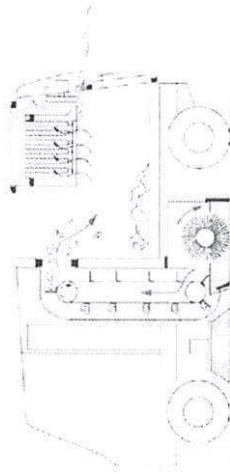
Fine dust emissions – System related differences:



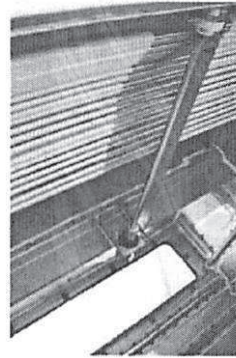
Traditional suction system



Filter



Dulevo Patented Mechanical-suction-filter system



Dulevo filter

Dulevo International unique filtration technology

In cooperation with Gore® Dulevo developed the only worldwide existing full fine dust filtration sweeper. This mechanical-suction-filtration system grants with the exclusive application of the Gore® technology a total abatement of PM10 particles.

Further benefits of the filter technology are:

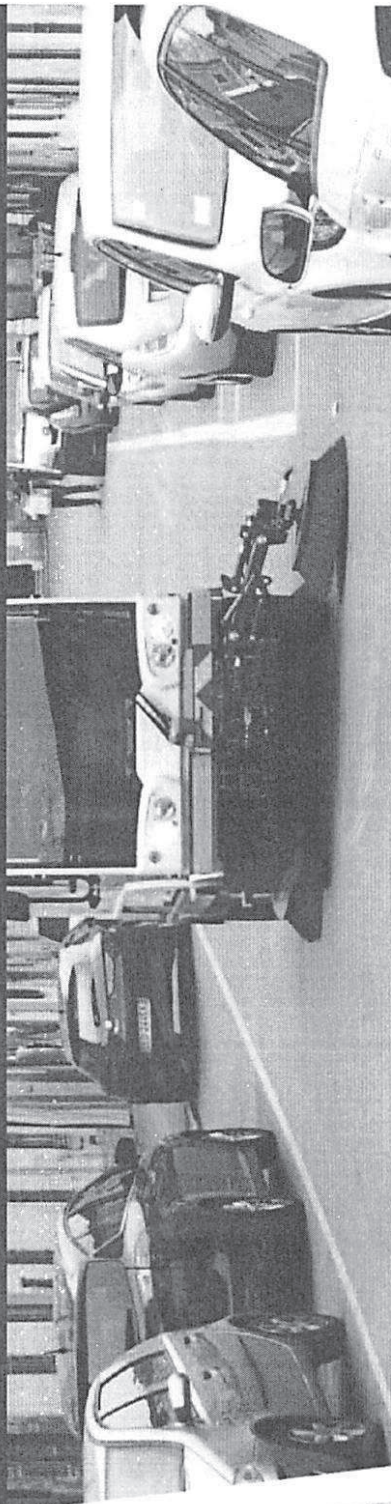
- No Maintenance
- Self cleaning effect
- Highest proofed absorbing of PM10 / PM5 / PM2,5 / PM 1
- Granted constant & durable filtering
- 35 % higher Airflow
- Resistance against water, oil, fats, chemical agents, etc

GORE dust filters installed in the industrial sweeper have 5 YEARS warranty.



FILTERING CAPACITY (with Certificate of conformity issued by TÜV and DNV)

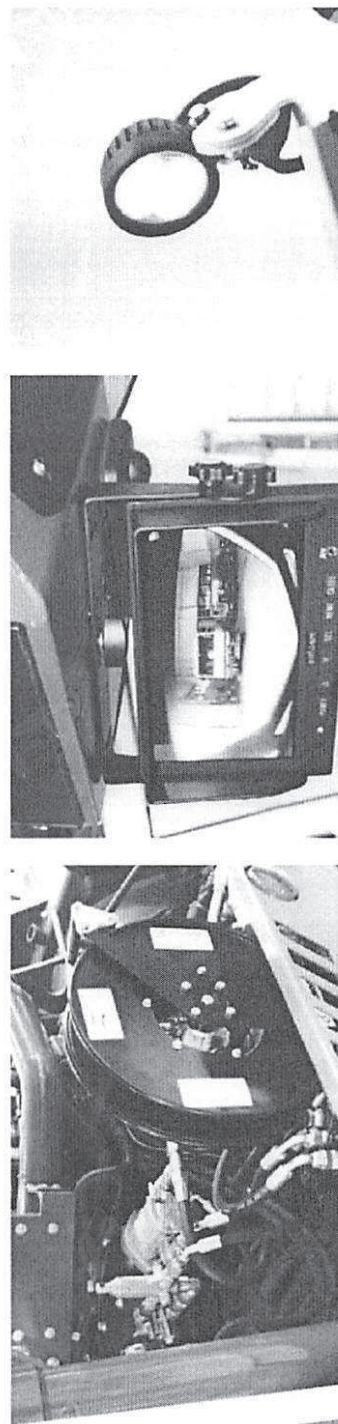
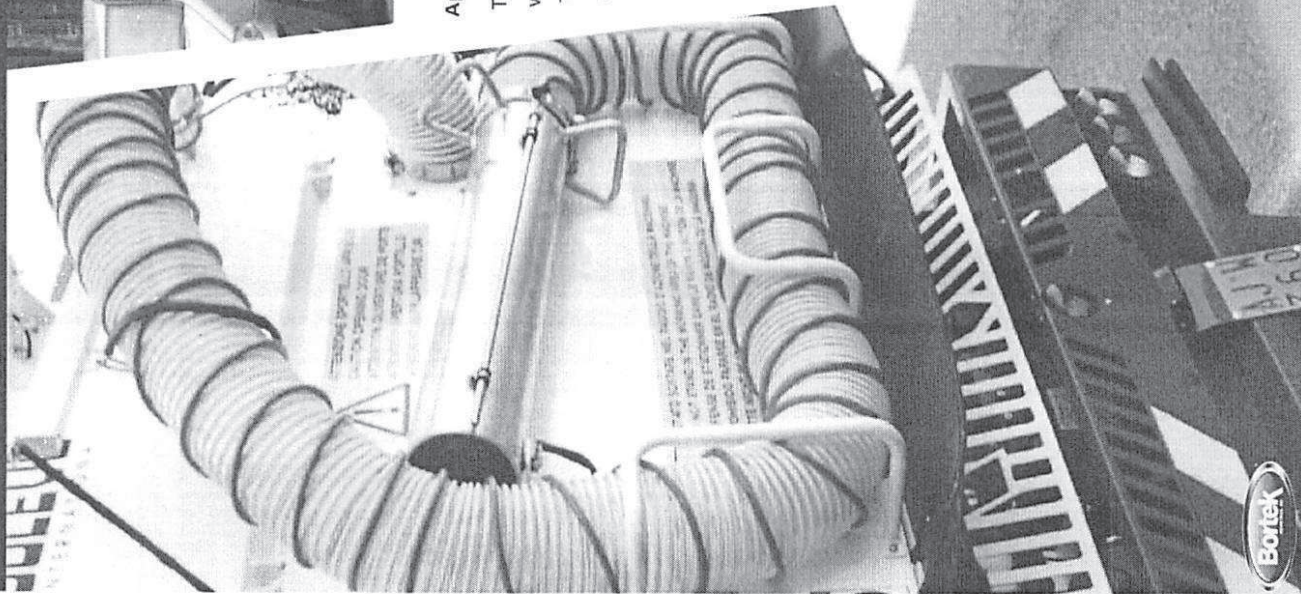
Fraction with granulometry < 1 µm	63%
Fraction with granulometry < 2,5 µm	90%
Fraction with granulometry < 5 µm	98%
Fraction with granulometry < 10 µm	>99%



Application

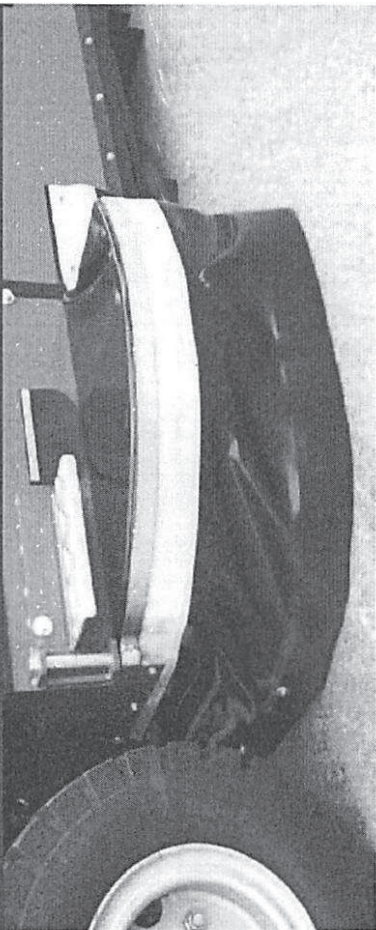
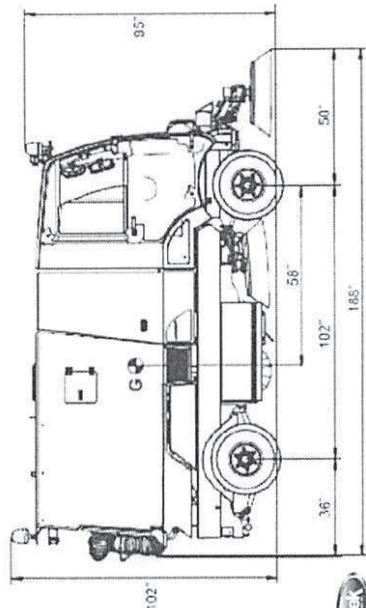
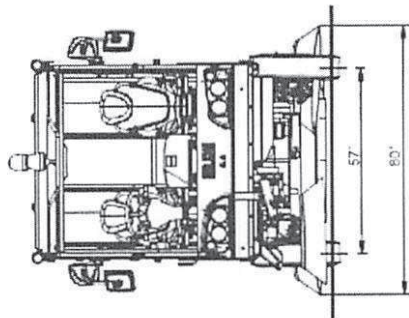
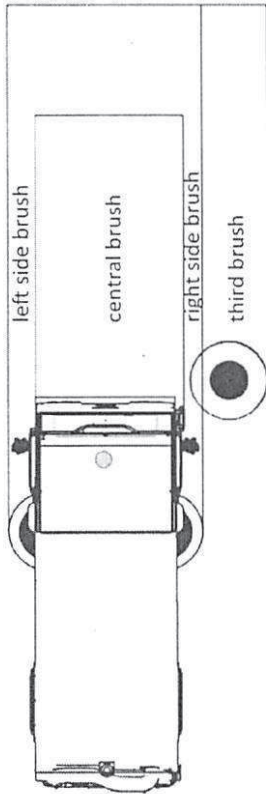
The 180-degree, full motion, massive front brush is an indispensable auxiliary tool for sweeping corners, gutters and for increasing working width.

The hopper lift system allows the discharge of the debris in refuse containers, trucks or in big refuse compactors. A variety of options expand the working spectrum of Dulevo 3000 Revolution – everywhere at any time.



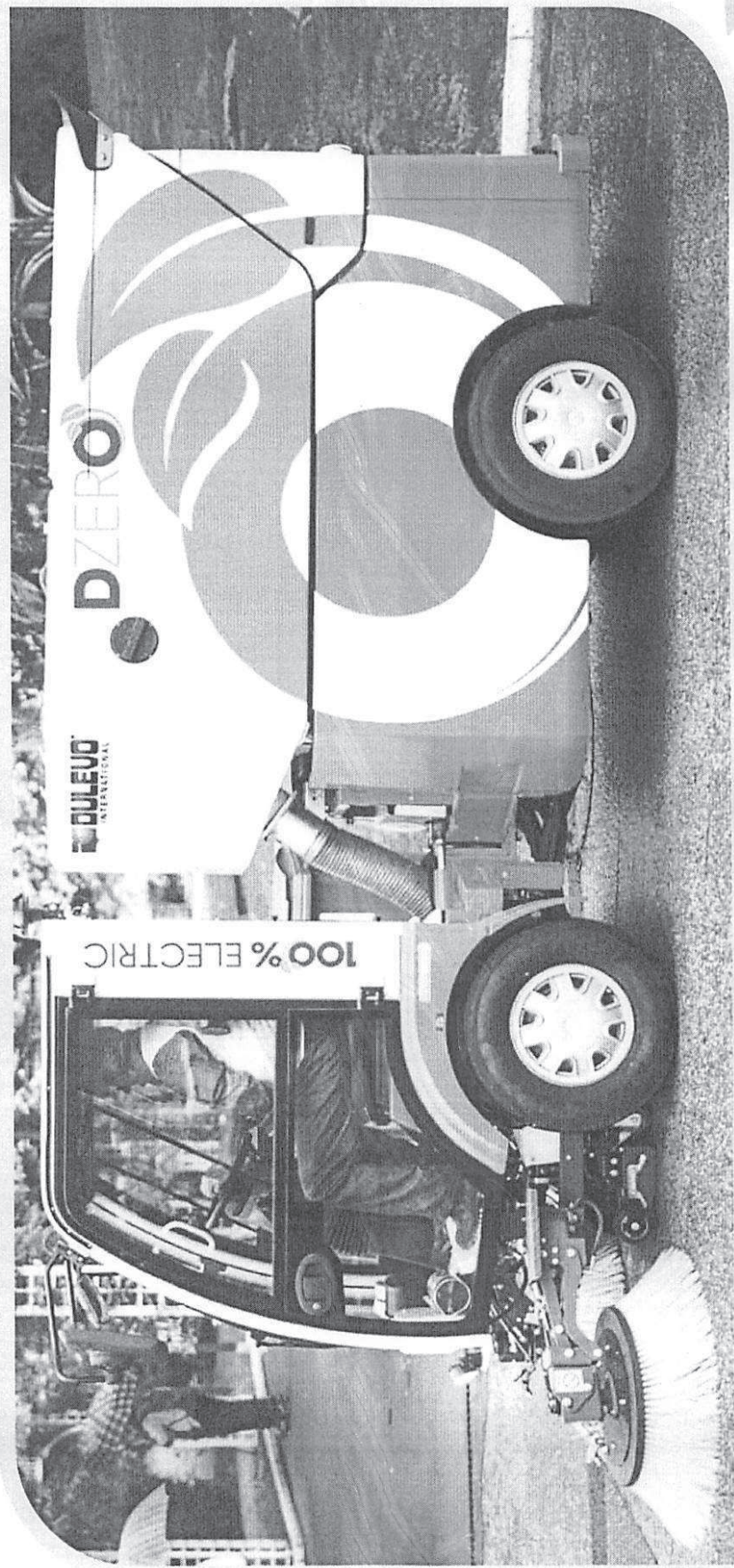
Security

One of Dulevo's priorities has always been the safety in the working environment of the machine. Dulevo 3000 Revolution is standard equipped with a reverse camera with a color screen in the cabin next to an acoustical warning for safe backing.

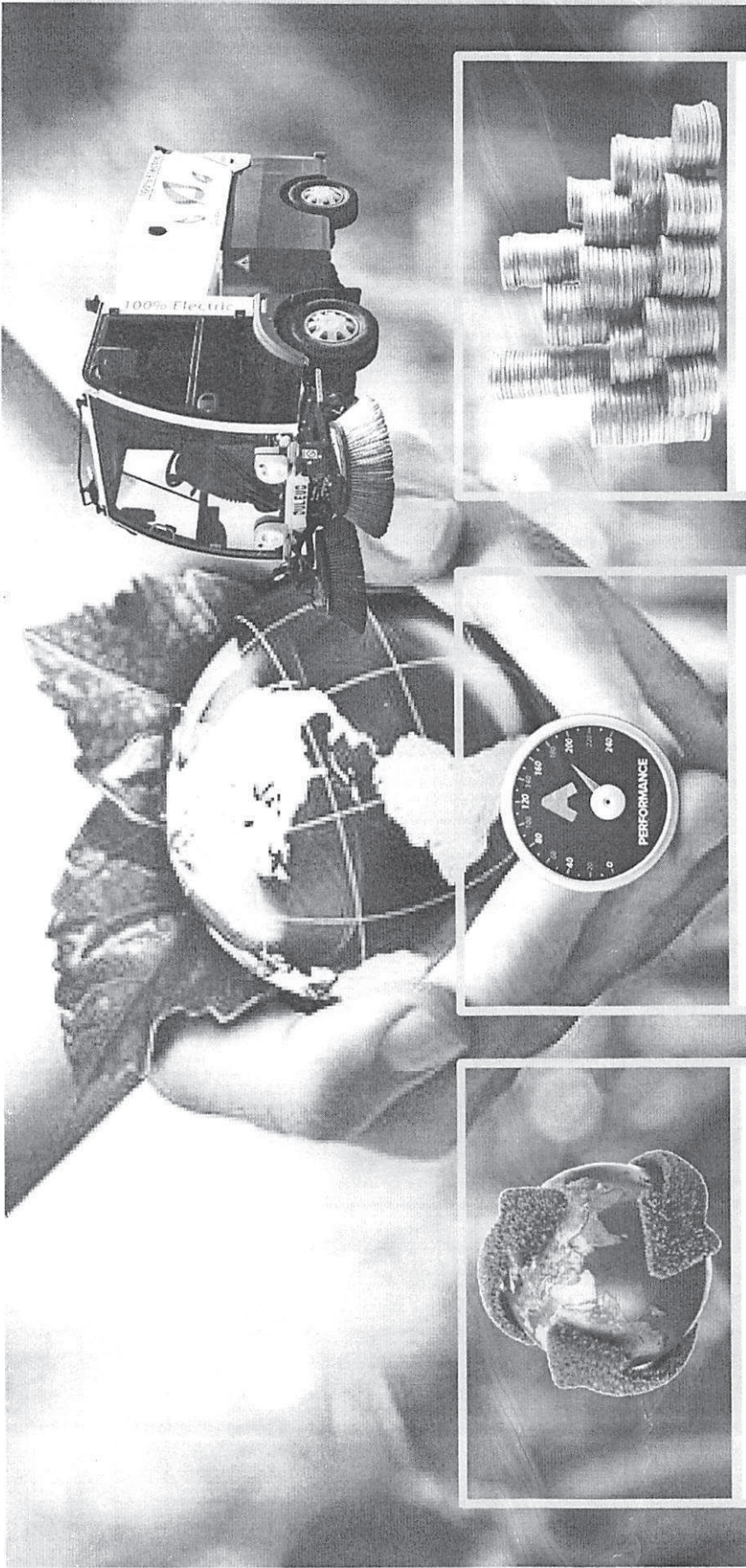


Technical data		3000 Revolution
Sweeping width:		
-with central brush	in.	51.2
-with side brushes	in.	82.7
-with third brush	in.	114.2
Central brush diameter	in.	20.5
Side brushes diameter	in.	34.5
Third brush diameter	in.	34.5
Waste hopper capacity	gal.	871.8
Dumping height	ft.	5.3
Water tank capacity	gal.	100.4
Seats in the cabin	n°	2
Cleaning performance	ft²/h	936,460
Maximum speed	mph	20
Filtration PM10	%	99
Engine "Make"		VM
Alimentation		Diesel
Weight	lbs.	10,108.2

D.zero²



DULEVO
INTERNATIONAL

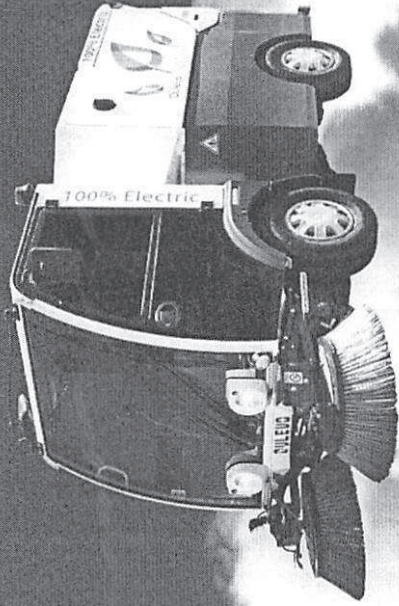


ENVIRONMENT
Zero CO₂ Emissions
Lower noise emissions

PERFORMANCE
The same sweeping
performance of the
traditional sweepers

SAVINGS
Less than 80% of
consumption (vs Diesel)
Less than 75% of
ordinary maintenance
costs

ENVIRONMENT: Cleaning with no environmental impact



Zero CO₂ Emissions:

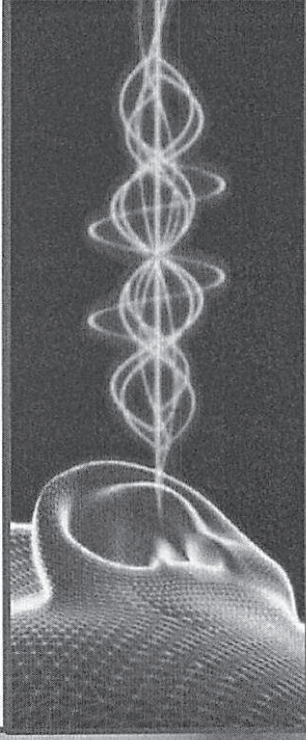
The new electric sweeper guarantees a zero CO₂ emissions in line with the philosophy of a GREEN world.



Lower Noise Emissions:

The new electric sweeper, thanks to its electric engine, guarantees a reduction in noise emissions.

The sound power is less than 10%



PERFORMANCE

Maximum cleaning performance 271152 ft²/h

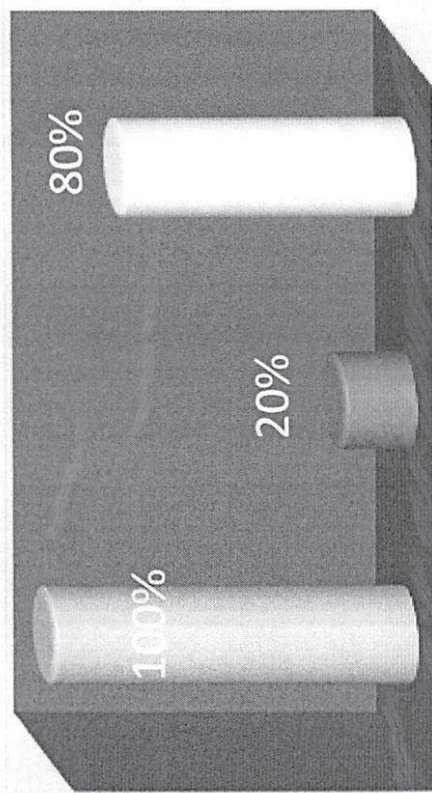
Maximum working speed 7,5 Mph

Optimal working speed 2,5 ÷ 3,8 Mph

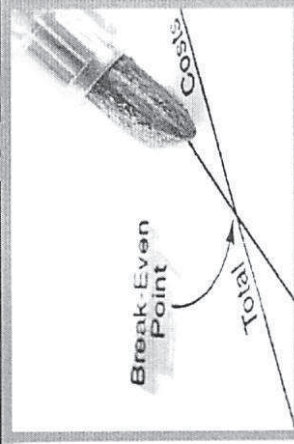
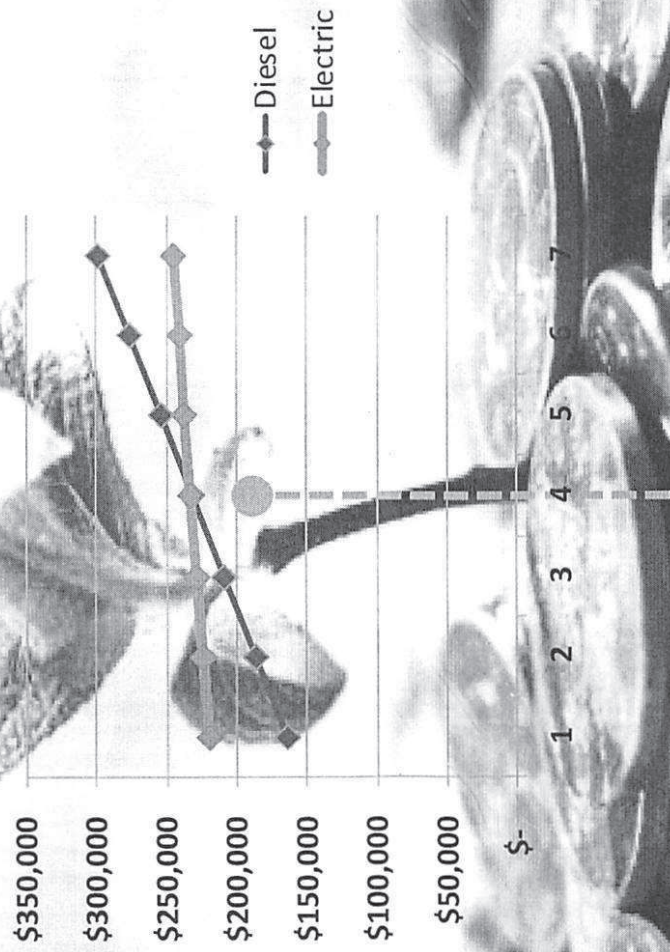
Cleaning performance 135576 ft²/h



SAVING

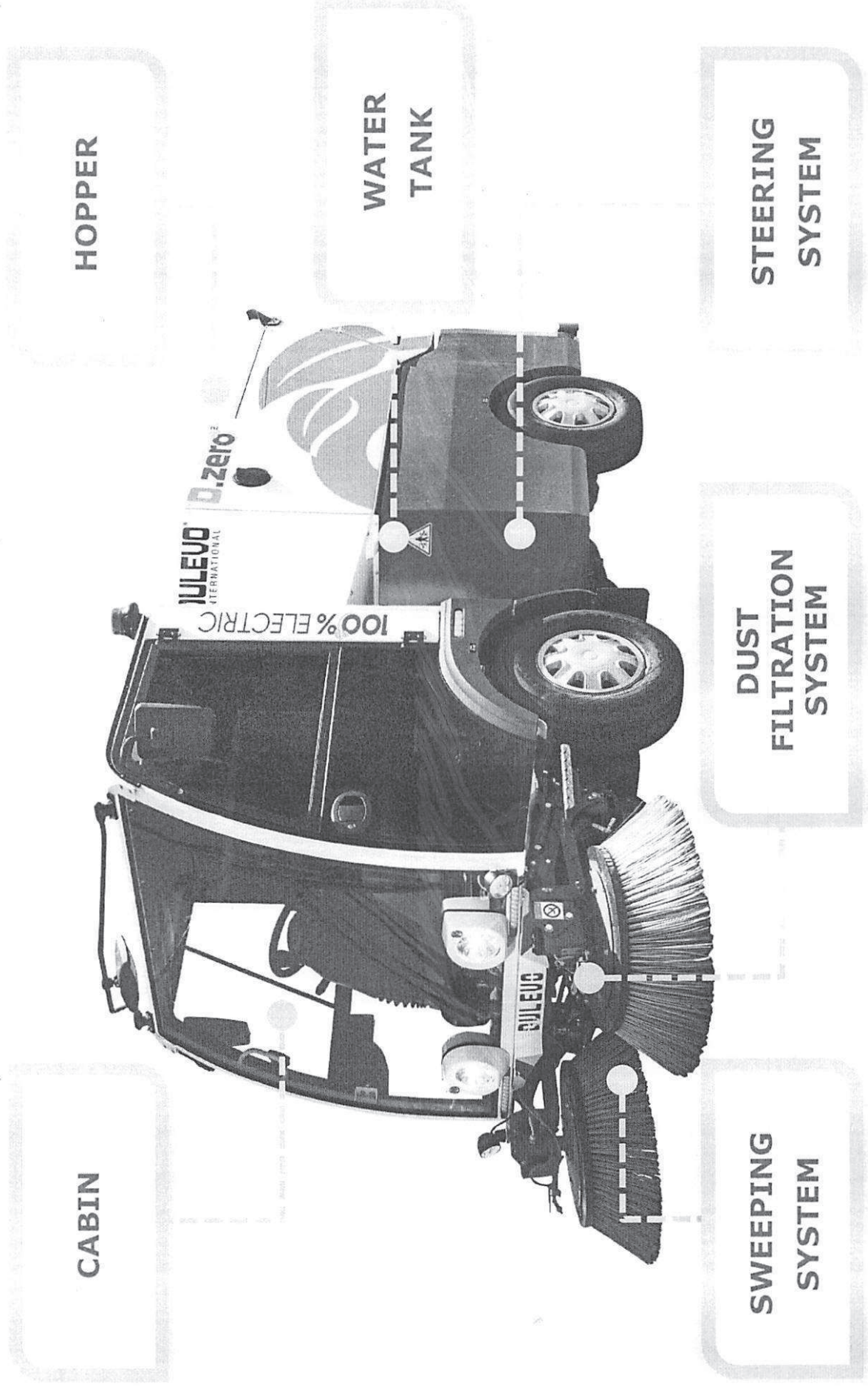


* Total Cost Of Ownership (TCO)



* **Total Cost Of Ownership (TCO):**
Cost of the machine, fuel consumption or electricity and ordinary maintenance

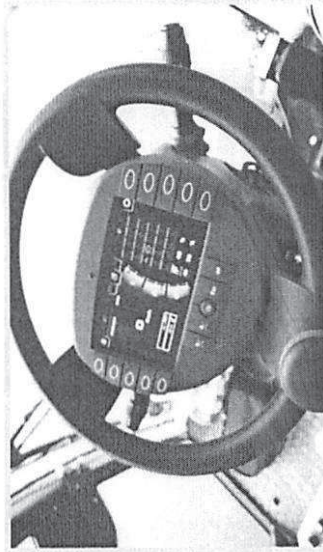
SWEEPER CAB



Right-hand drive
Asymmetric cab

Adjustable wheel equipped with
multifunction display

Operator's **comfort**



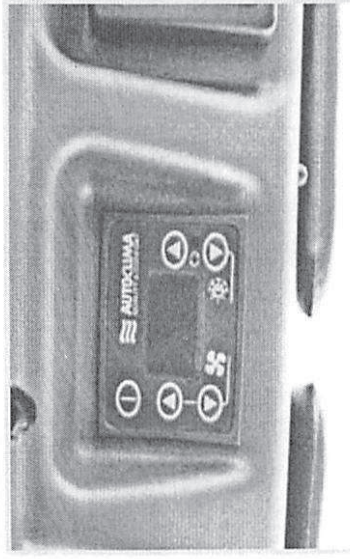
Rear-view colour camera with
vision in the cab

Improved **safety** during the
unloading phase and sweeping
phase



All the sweeping controls are
positioned on the side armrest

Better **control** during the
sweeping operations



Electric adjustable mirrors
Electric air-conditioning system

Machine's **standard**
equipment

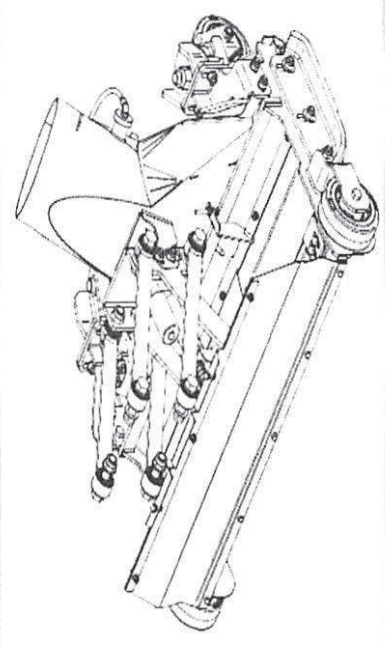
Suction turbine with adjustable flow situated in the lower part of the container

Noise reduction



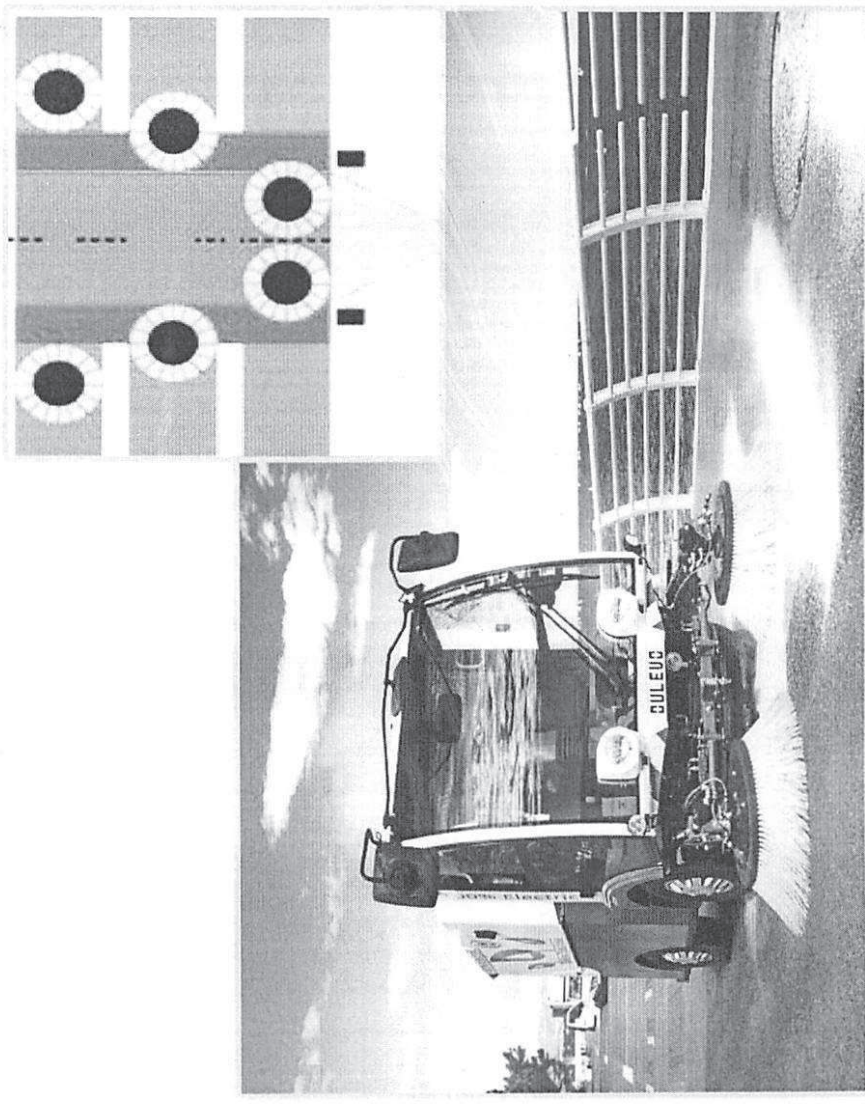
Patented suction mouth

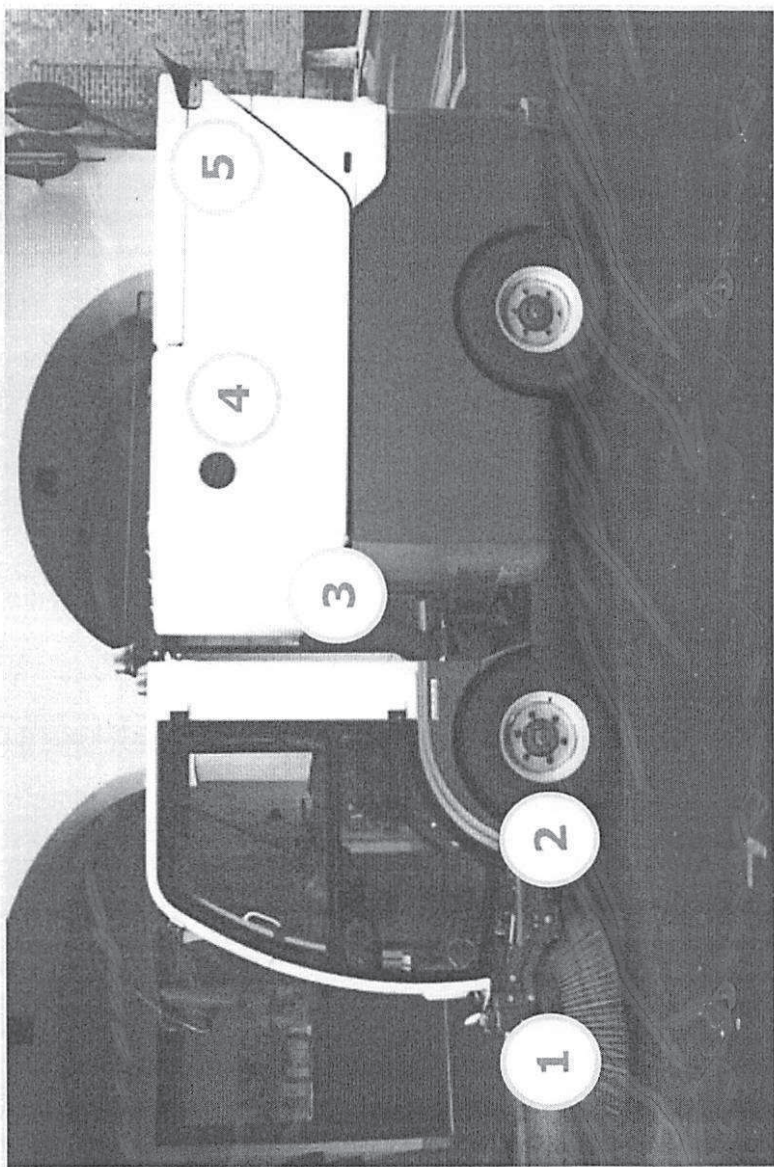
Collection of **voluminous** material reducing the **manual opening** of the flap and the operator's fatigue



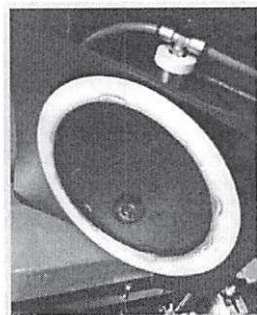
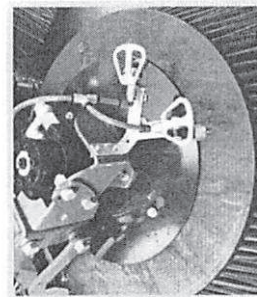
Brush Opening Adjustable up to 126 In (69 ÷ 126 In)

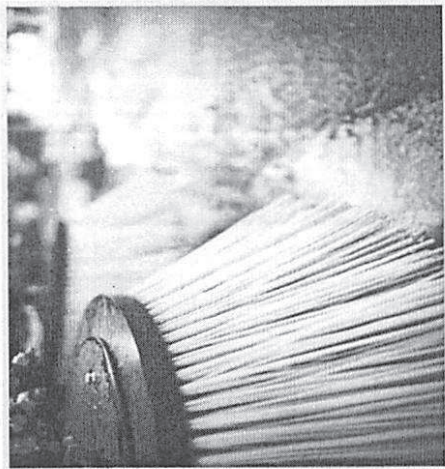
Increased **sweeping width** and cleaning performance





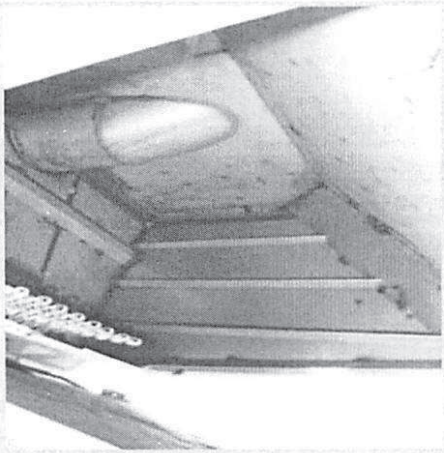
- STEP 1** – Nozzles on brushes
- STEP 2** – Nozzles on suction mouth
- STEP 3** – Nozzles on suction hose
- STEP 4** – Chain Filter
- STEP 5** – Grid Filter





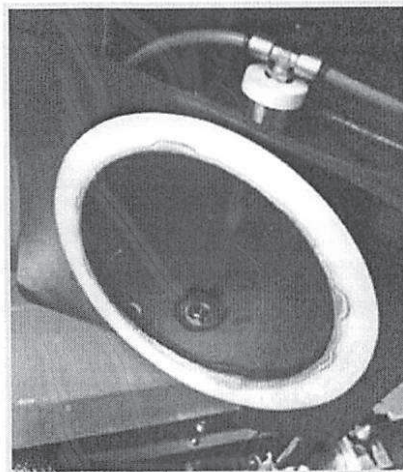
Nozzles on brushes

Adjustable horizontally,
vertically and with
internal protection
filter



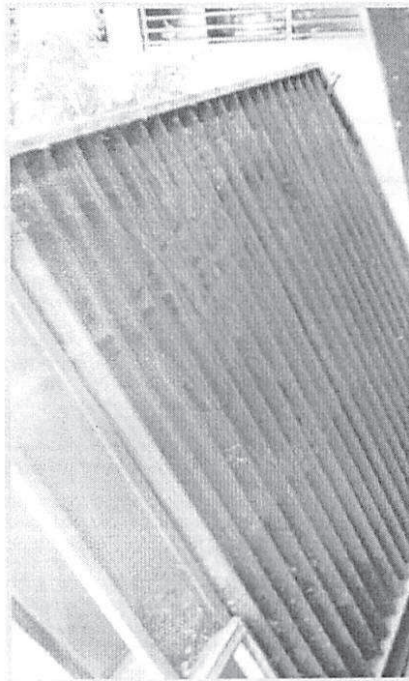
Chain Filter

They block the passage of
bulky material and prevent
it from **clogging** in the
filtration grid



Nozzles on the suction mouth and on the
container's inlet

Filtration efficiency and reduced **clogging**
of the hose



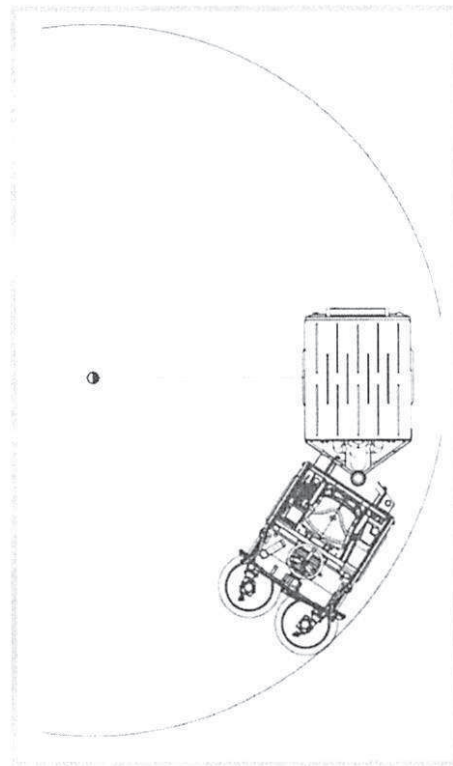
Grid Filter

Longevity - **STAINLESS STEEL**
19.4 ft² filter surface

STEERING

CENTRAL JOINT

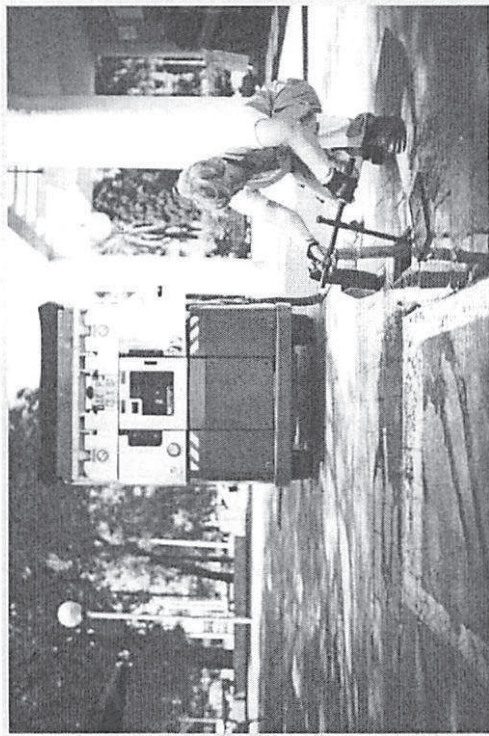
The new electric model, thanks to its size and maneuverability, perfectly manages to work in city centers and in places with small spaces, such as bike paths and pedestrian areas. Being an articulated road sweeper, the steering, through the central joint of the two semi-chassis, makes it easy to drive for complex maneuvers.



Steering radius Kerb to Kerb

10,9 ft

Sweeping facilitated in roundabouts
Maneuverability



Water tank

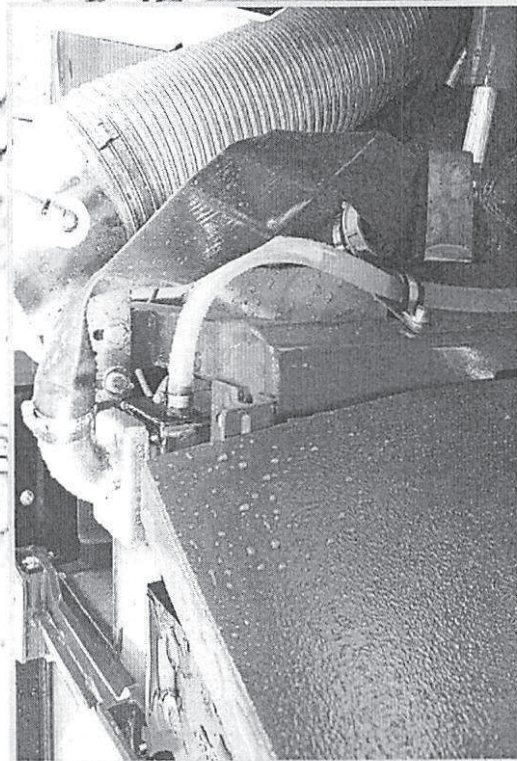
Longevity - Stainless steel

Capacity of **58.2 Gal** of clean water

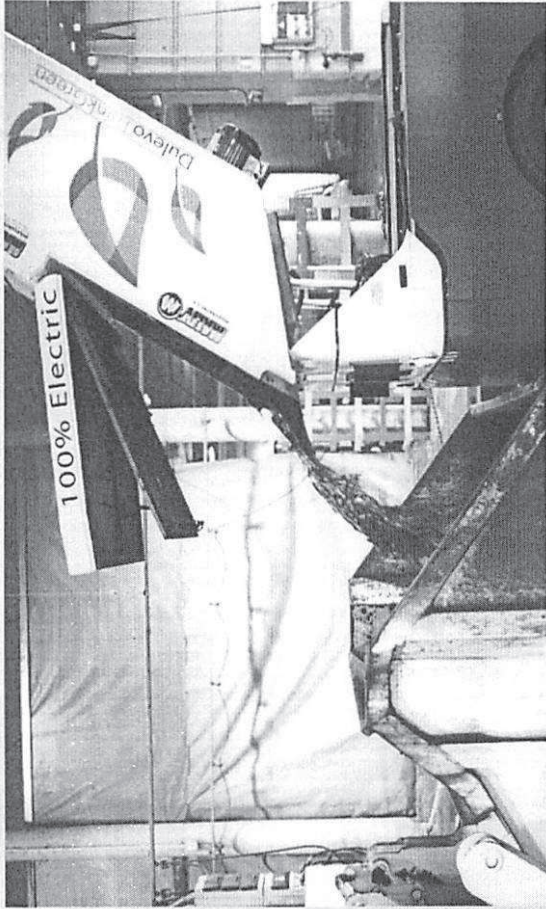
Water Recirculation System

Increased capacity of **47.6 Gal**

Standard Equipment



HOPPER



Stainless Steel

Volumetric capacity

Dumping height

AISI 304

1,7 yd³

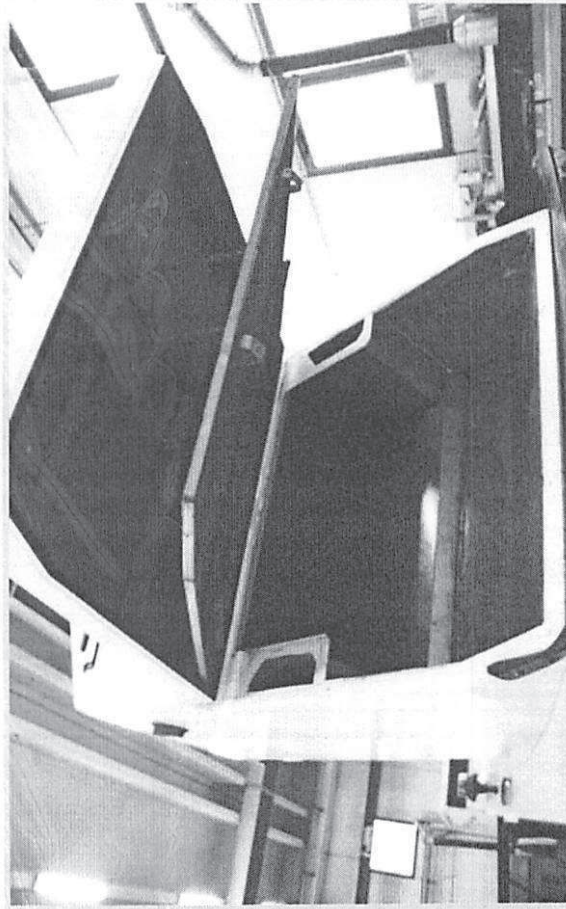
57 In

Higher productivity

Lower transfer costs / dead times

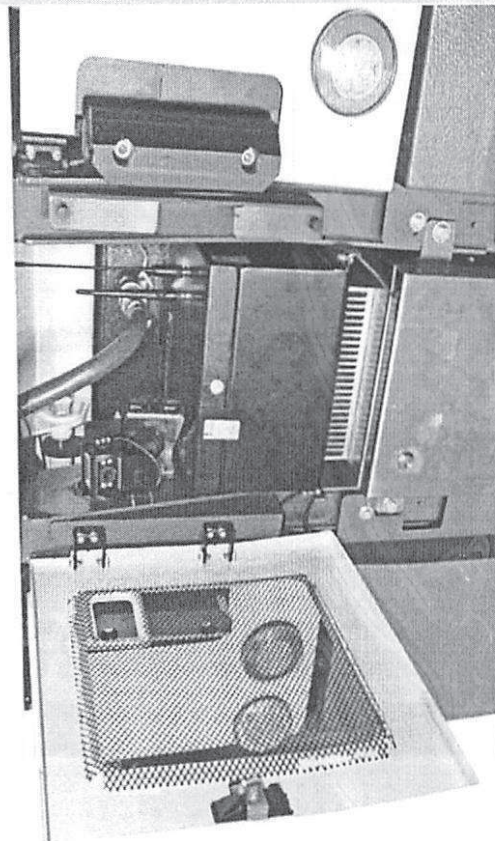
**Ability to unloading into a large capacity
container**

Container longevity



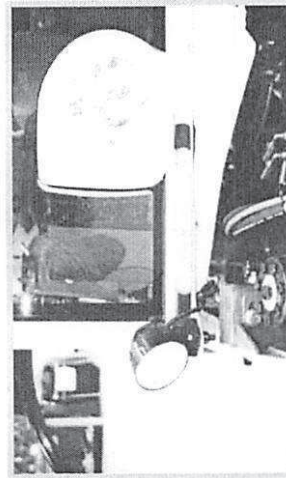
DULEVO TELEMATIC and remote battery monitoring system

Instant Service Diagnostics at the Service Point



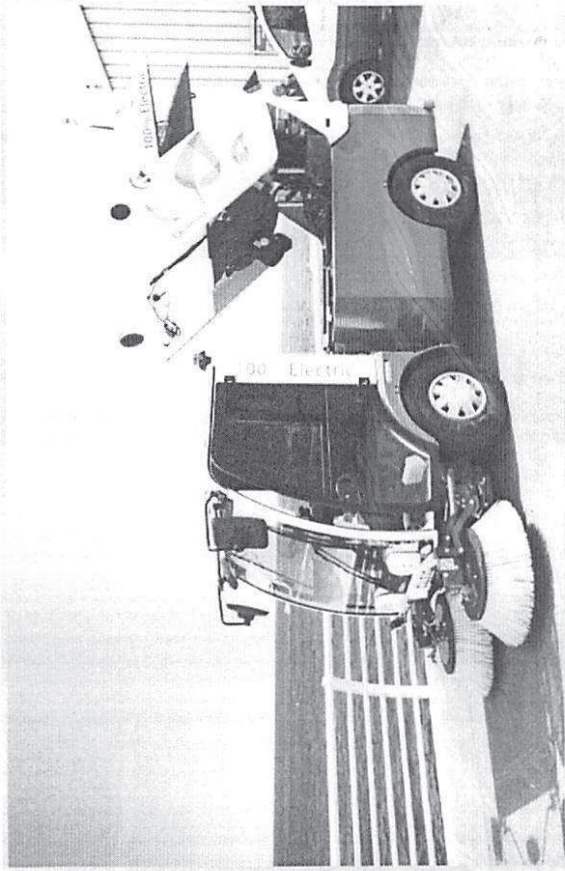
LED Lights Equipment

Maintenance free



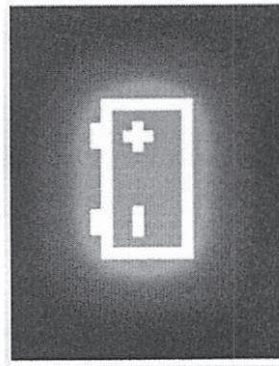
AC asynchronous electric motors

Maintenance free

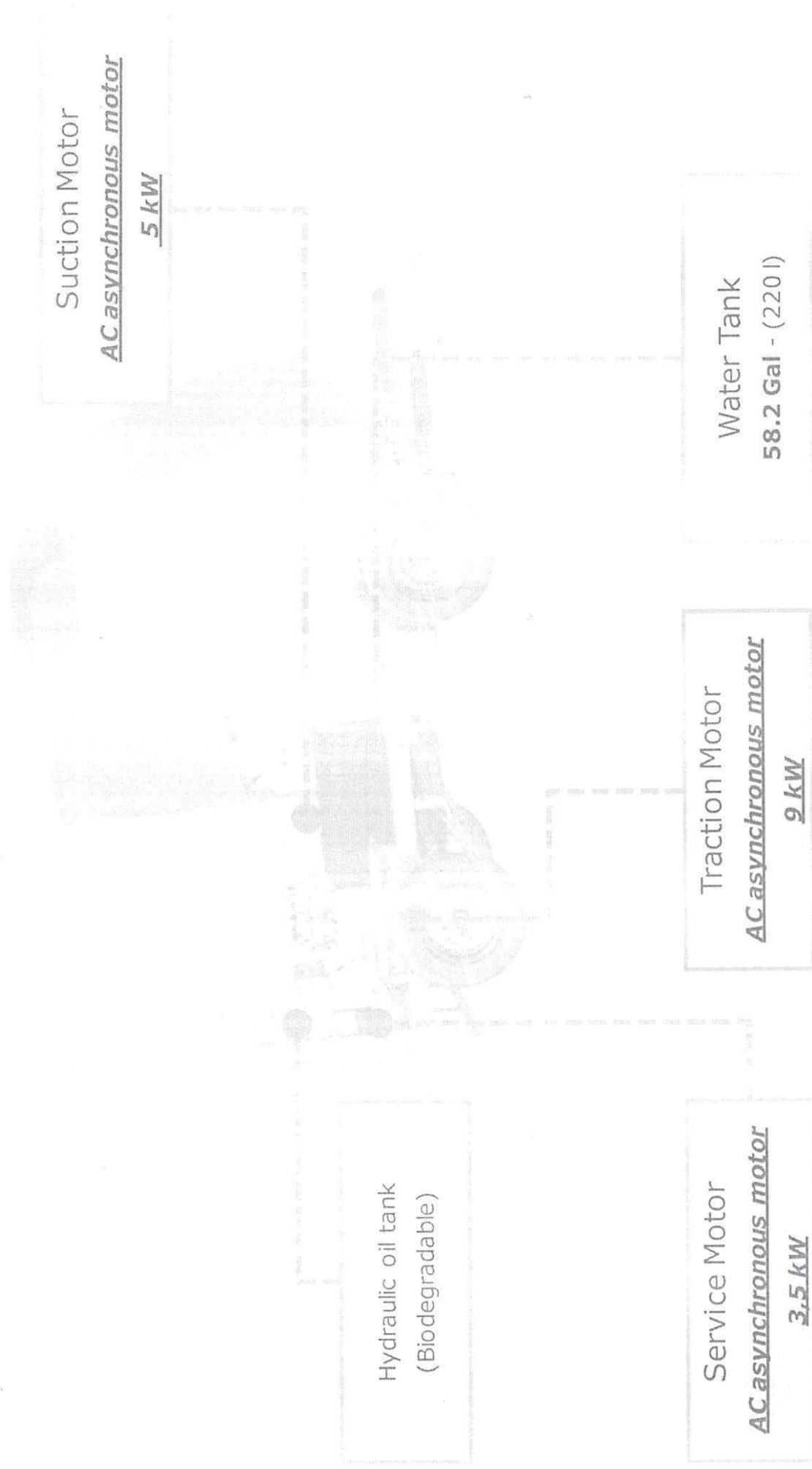


Lithium batteries
(LiFe PO4)

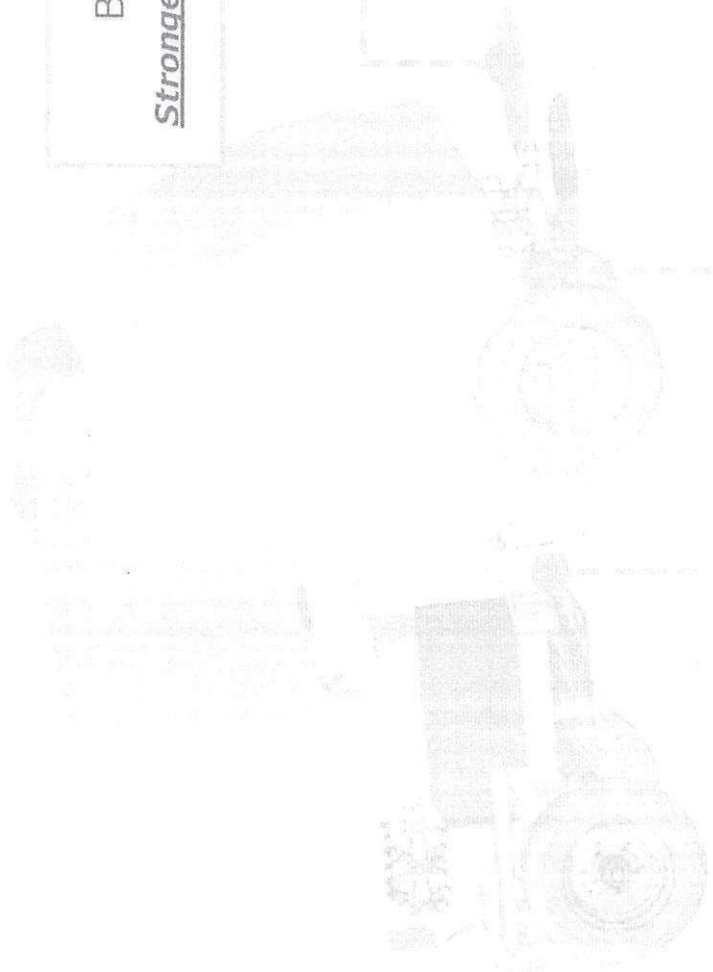
Up to **3000** charge
cycles



Main components of the Hydroponic System



Model 3000 - 3000 L Capacity



Brush Motor
Stronger for road cleaning

Lifting arms brushes and suction
inlet
Stronger for road cleaning

Steering
Greater reliability and
handling possibilities



Oil tank (Biodegradable)
PANOLIN HLP Synth E 32
USDA approved

PANOLIN® +
Swiss Oil Technology

Lift Hopper
More lifting capacity



Why LiFePO4?

SAFETY FIRST



The Fe-P-O bond makes this cell very stable and SAFE

TEST



See our "short circuit" test

ACCESSIBLE PRODUCT

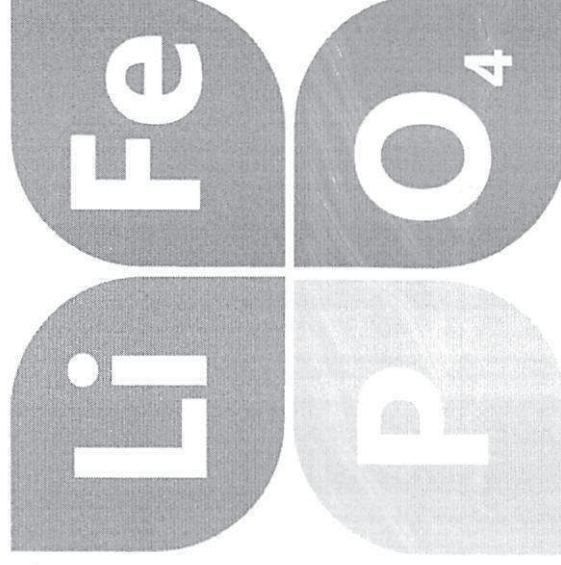


Perfect balance between price, quality and functionality of the product. This is what the market requires for a value for which the customer is willing to invest



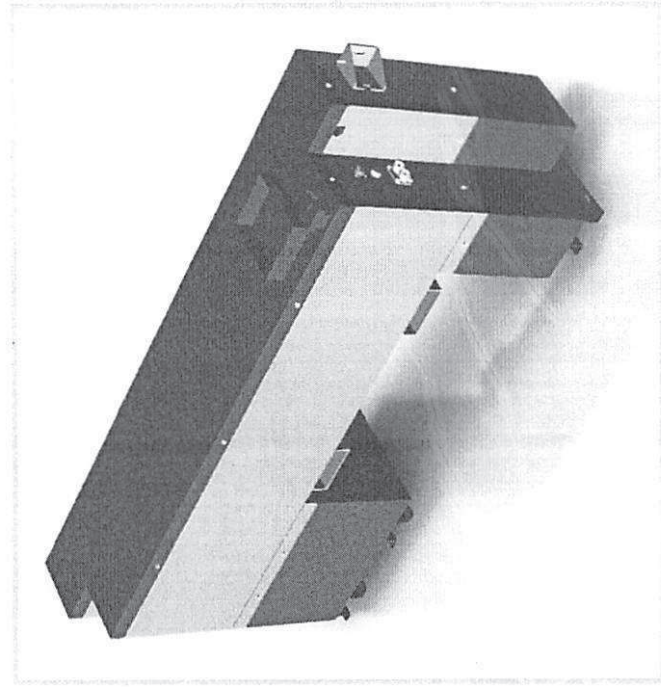
LONG LIFE EXPECTATION

Thanks to reduced and slow electrolyte degradation, LiFePO4 cells can guarantee a high number of charge / discharge cycles

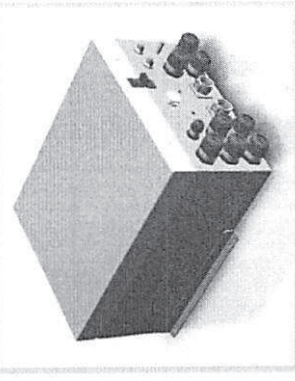
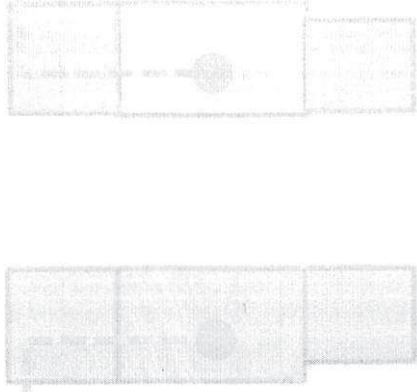
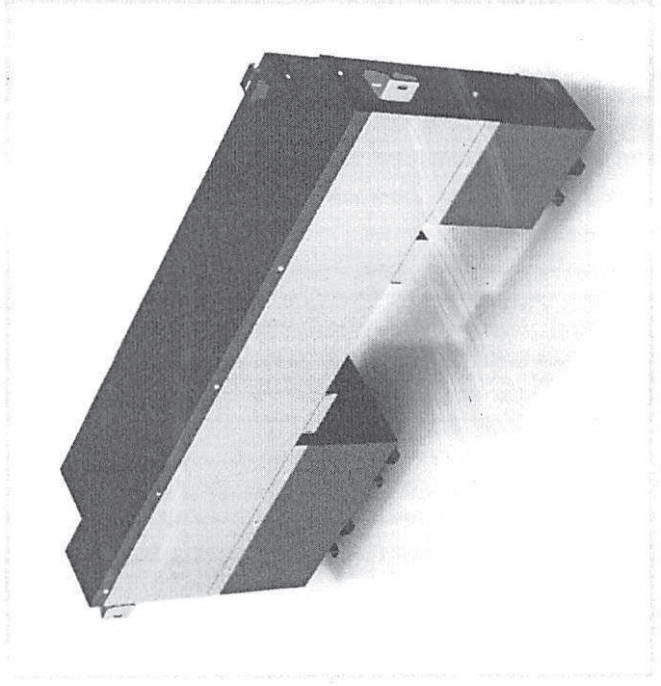


Maintained and Unmaintained Batteries

Battery pack 1 – 400Amp/hours

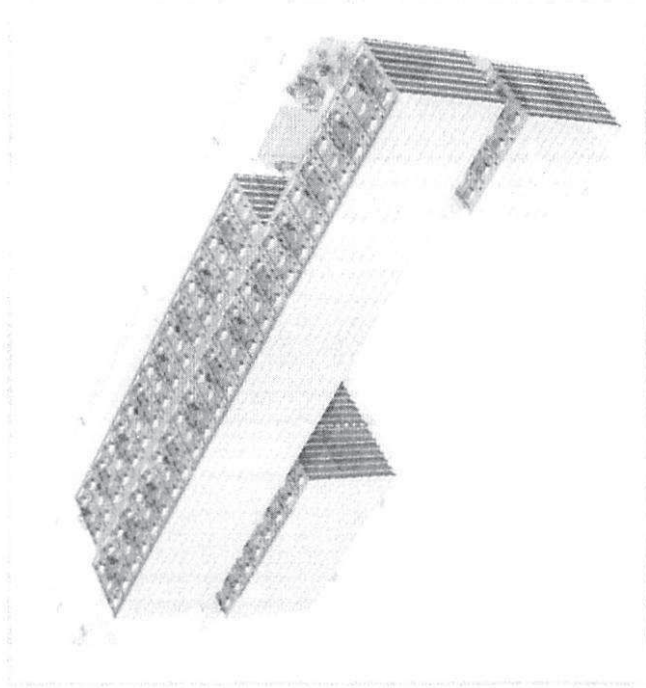


Battery pack 2 – 400Amp/hours



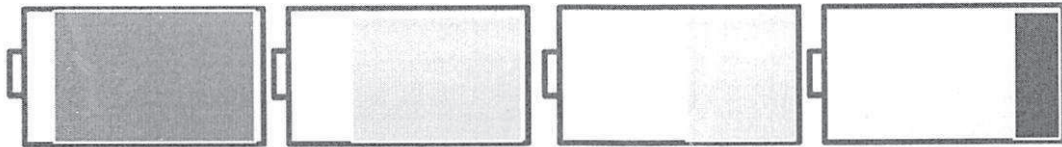
BMS
 Battery Management System
MASTER

The batteries connected in parallel
 guarantee **operational safety even in**
the event of a battery malfunction

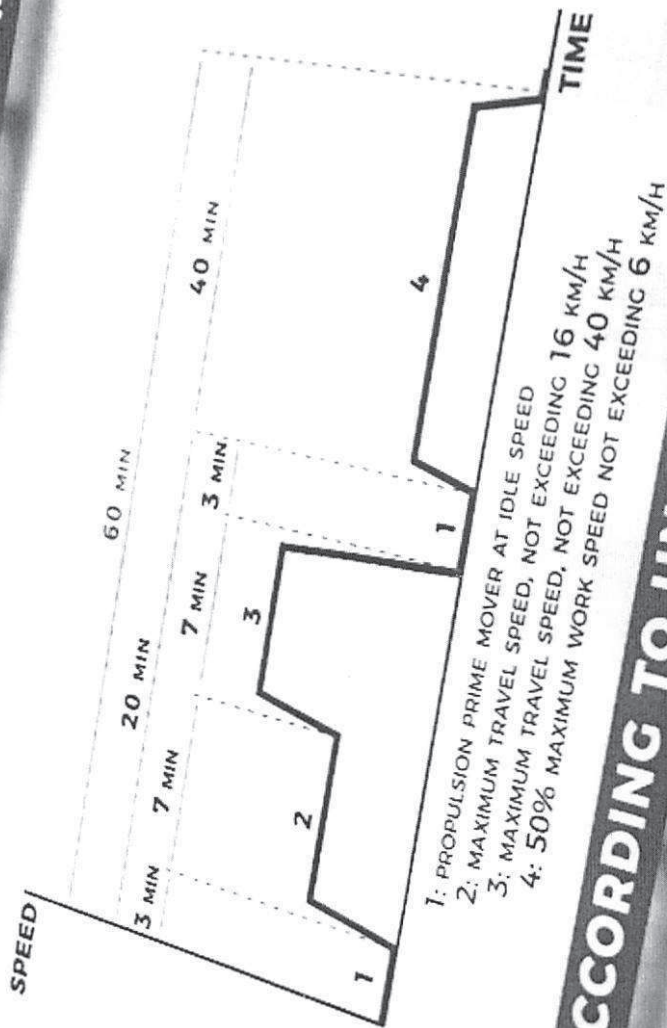


Total 6 Battery box

3 Battery box



MORE THAN 8 HOURS WORKING TIME



ACCORDING TO UNI EN 15429-2

RUNNING TIME

According to the EN 15429 Rule:

More than

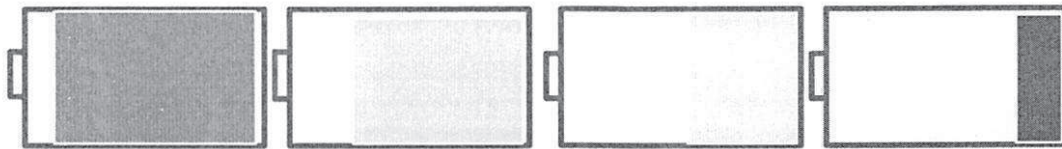
8 Hours

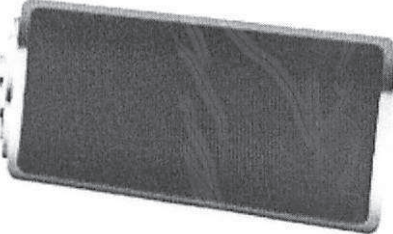
(8,5 In test with air conditioning or heating)

Standard working condition:

Up to

11/12 Hours





BATTERY LIFE CYCLE

CHARGING TIME
5 HOURS STANDARD
2.5 HOURS FAST

CHARGING CYCLES:
5

LiFePO4 BATTERY (LITHIUM IRON PHOSPHATE)

**UP TO 3000 CHARGING CYCLES
(≈10 YEARS)**

BATTERY CYCLE

Cycle means a full charge and discharge of the battery

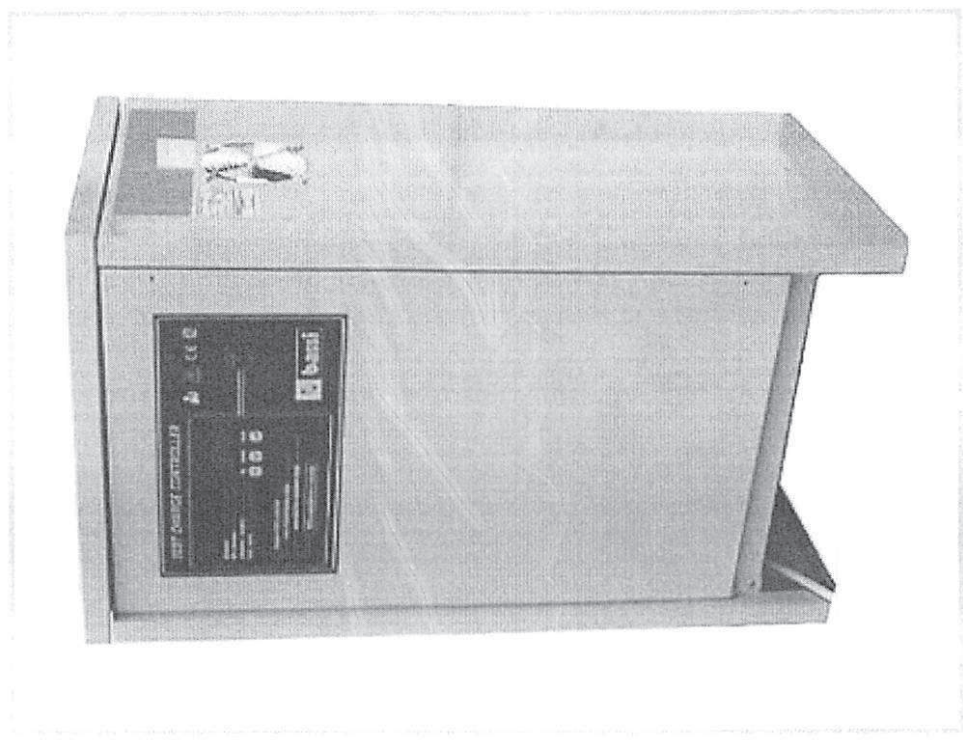
PARTIAL CHARGE

The partial charge does not damage the battery is indeed recommended

A partial charge is not a charge cycle but in this case the current inserted in the battery is calculated.

Example: 50% charge is half a cycle

BATTERY CHARGER (~ 5 Hours)



Power cable

Phase

Phase

Phase

Ground

Note: Excluding the connection plug to the power grid

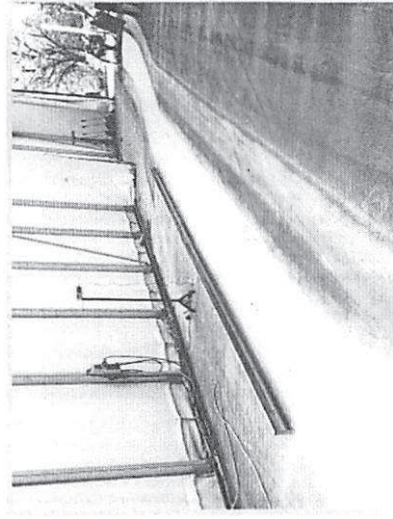
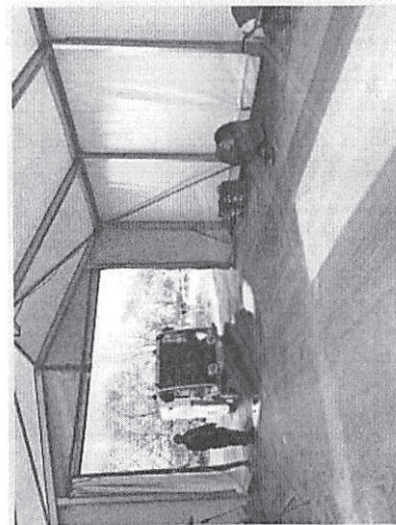
Input : 3phase 208V ~ 52A 50-60Hz

Output : (96V 150A)



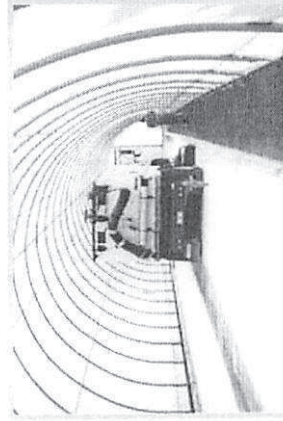
Fine Dust PM10 & PM 2.5 certification According to EN 15429 Rule

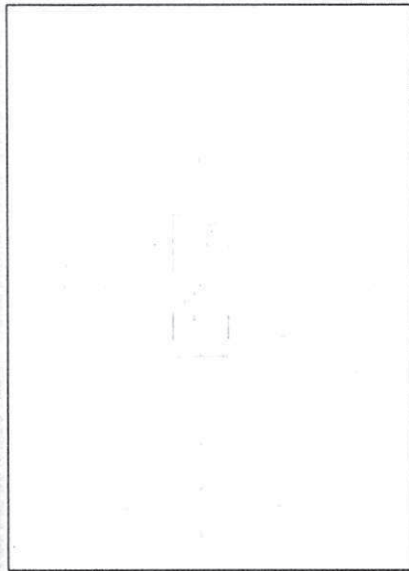
The Dulevo D.zero² sweeper is certified with the highest level of the
Eunited Test (4 Stars)



Protocol Test comparable to:

- California Rule 1186
- Toronto PM10 and PM2.5 (by PAMI)

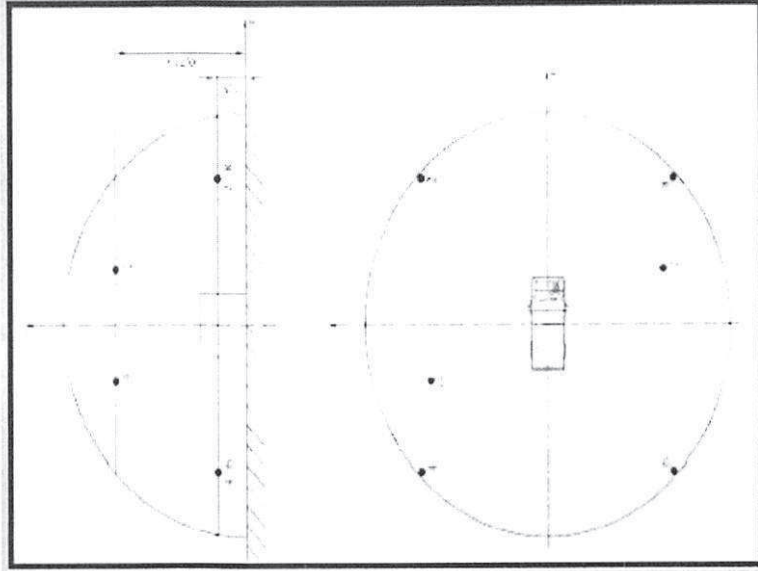




Sound Pressure

LpA 64,4 dB

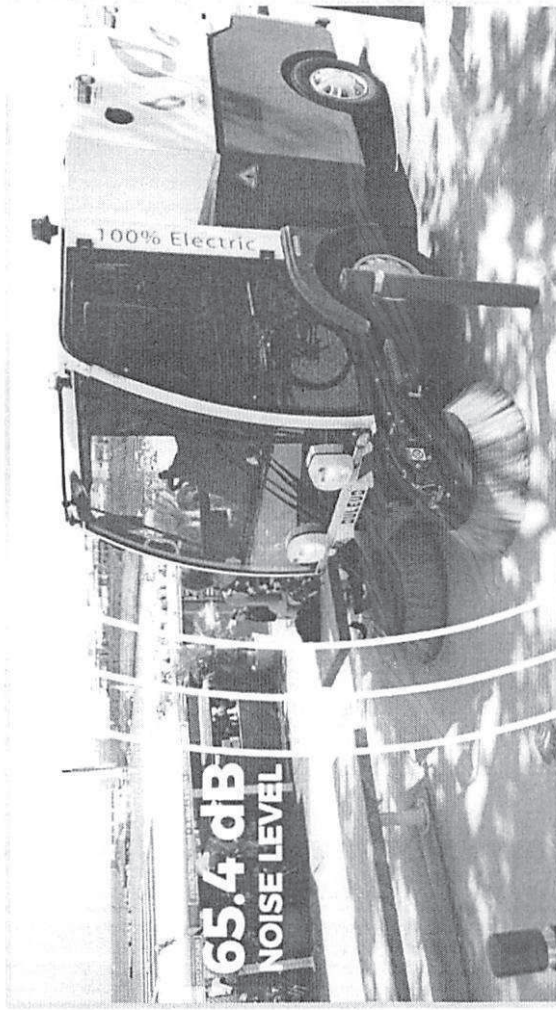
CERTIFIED TEST



Sound Power

LWA 93,4 dB

CERTIFIED TEST



Average value measured during the work phase

65,4 dB (*)

(*) variable value based on working conditions



A FAMILY COMPANY SINCE 1967

DULEVO 6000
REVOLUTION
INDUSTRIAL GRADE STREET SWEEPER

FIRST IN POWER CLEANING EQUIPMENT



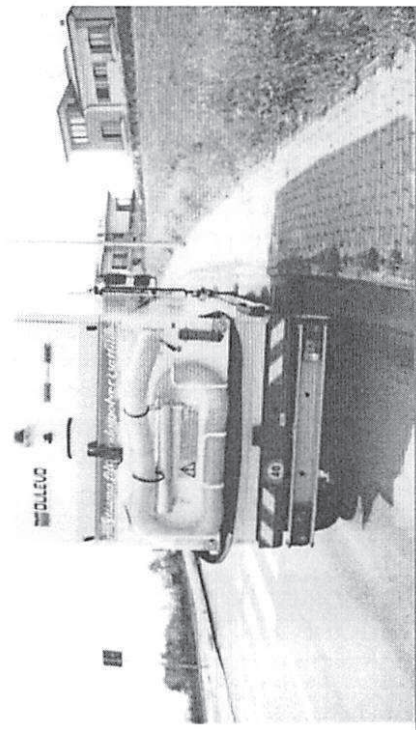
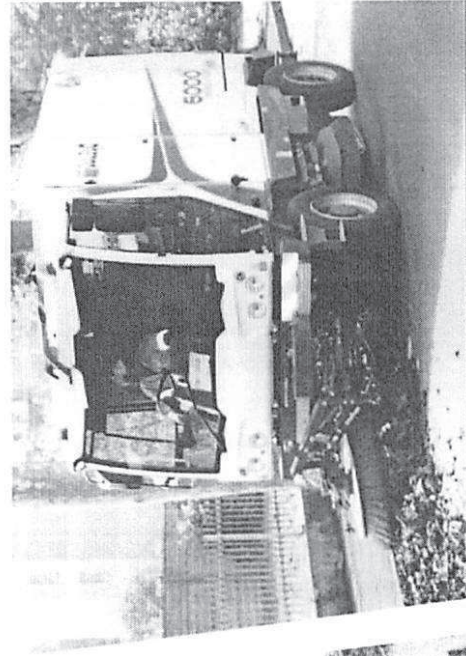
SWEeperLAND.COM

 **EQUIPMENT**  **PARTS**  **RENTALS**  **SERVICE**  **SUPPLIES**
YOUR CLEANING SOLUTIONS RESOURCE™



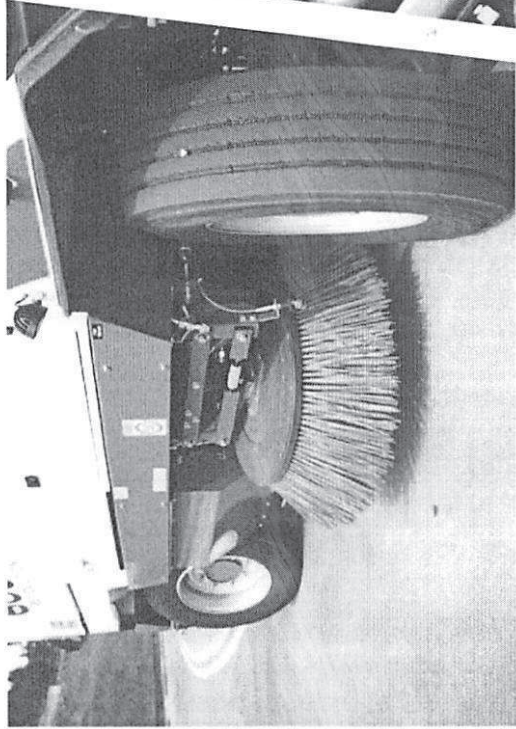
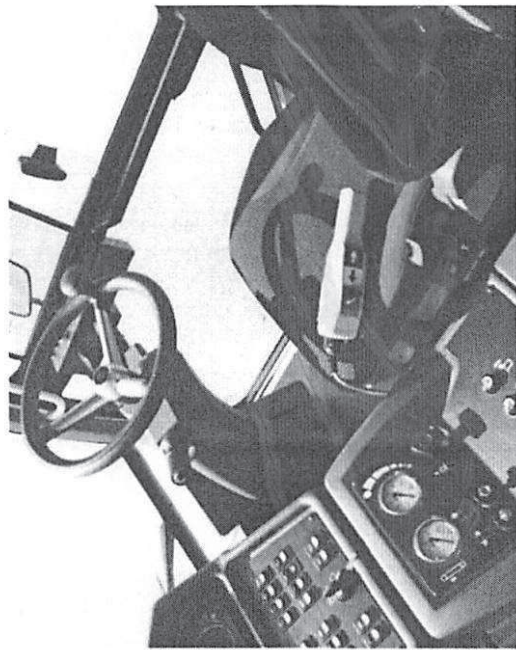
Concept

Design, innovative and robust constructions, effective solutions for all applications and the unique large waste hopper make the Dulevo 6000 Revolution the perfect working tool for all seasons – everywhere and at any time – regardless of high or low temperatures, sun, rain or snow. Up to date technology and top-quality components ensure the high quality demands of the market – a guaranty of longevity.



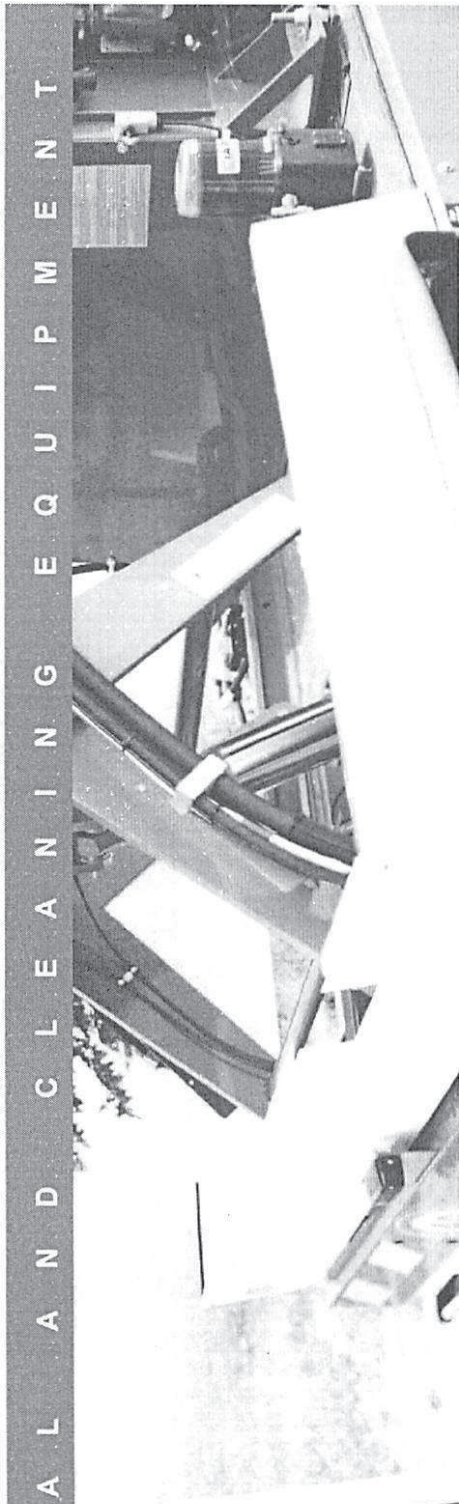
Comfort

Operators comfort and ergonomics are our priority together with application specifications. Effective axle suspensions and ideal weight distribution insure a balanced and safe drive ability. The powerful drive transmission guarantees the use in difficult conditions and on slopes too. The hydraulically assisted and the synchronized four-wheel-steering greatly simplify complex manoeuvres.



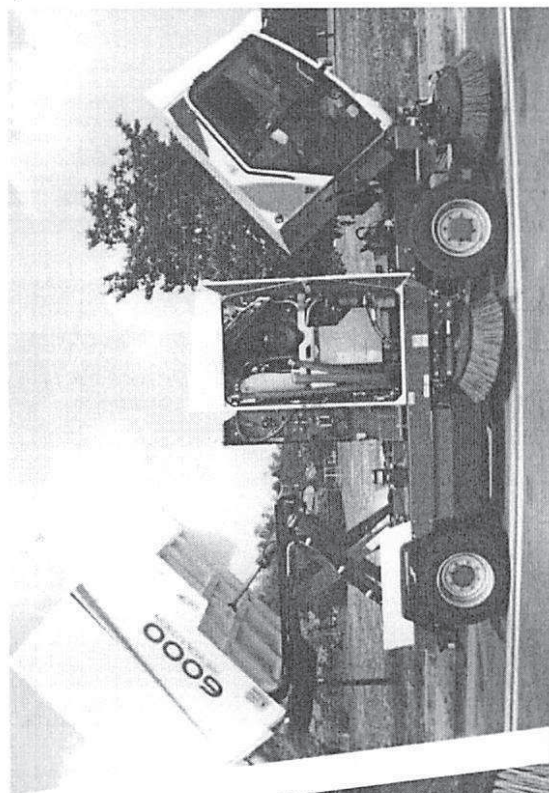
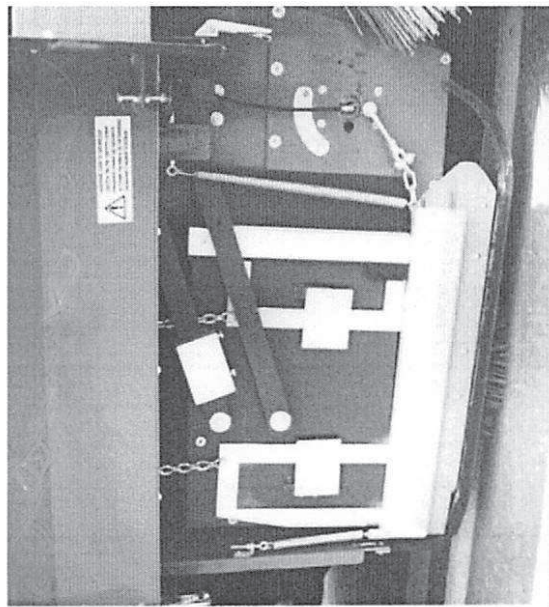
Cabin

The generous interior space of the cabin and the quality seats make the machine an extremely comfortable workplace. An additional insulation and springs protect the operator from noise emissions and vibrations. The large window surfaces of the cab allow the all-round view of the working area. The standard equipment includes heated mirrors, air condition and a charging plug for mobile devices.



Access & Service

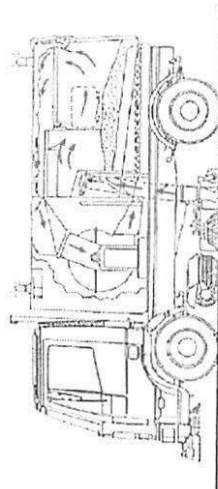
The innovative, modular structure with the unique tiltable cabin and the on-top-centred position of all main components allow the most simple access to all important components for service and maintenance. Dulevo 6000 Revolution is fully hydrostatic driven without the use of any electronic components.



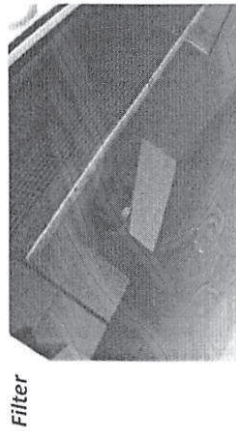
Environment

Dulevo and environmental awareness belongs together since several time. Lowest noise, dust emission, lowest water and fuel consumption are the basic concept of Dulevo 6000 Revolution. With a proofed fine dust reduction of 100% (compared to standard suction sweeping equipment) and a water saving of up to 60%, Dulevo 6000 Revolution fulfils all the environmental future demands. The engine respects the latest EU emission regulations.

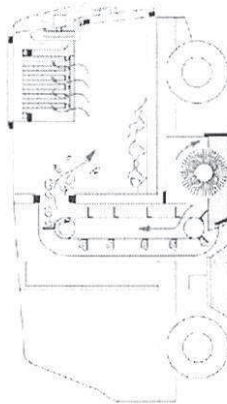
Fine dust emissions – System related differences:



Traditional suction system



Filter



Dulevo Patented Mechanical-suction-filter system



Dulevo filter

Dulevo International unique filtration technology

In cooperation with Gore® Dulevo developed the only worldwide existing full fine dust filtration sweeper. This mechanical-suction-filtration system grants with the exclusive application of the Gore® technology a total abatement of PM10 particles.

Further benefits of the filter technology are:

- No Maintenance
- Self cleaning effect
- Highest proofed absorbing of PM10 / PM5 / PM2,5 / PM 1
- 5 Years Warranty
- Granted constant & durable filtering
- 35 % higher Airflow
- Resistance against water, oil, fats, chemical agents, etc

GORE dust filters installed in the industrial sweeper have 5 YEARS warranty.



FILTERING CAPACITY: (with Certificate of conformity issued by TÜV and DNV)

Fraction with granulometry < 1 µm	63%
Fraction with granulometry < 2,5 µm	90%
Fraction with granulometry < 5 µm	98%
Fraction with granulometry < 10 µm	>99%

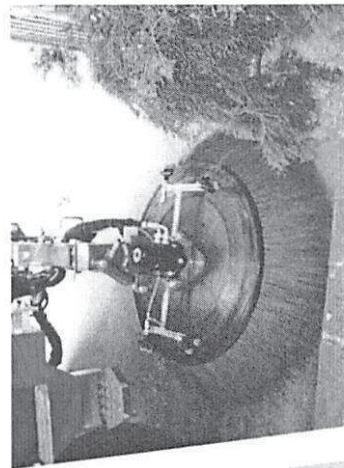
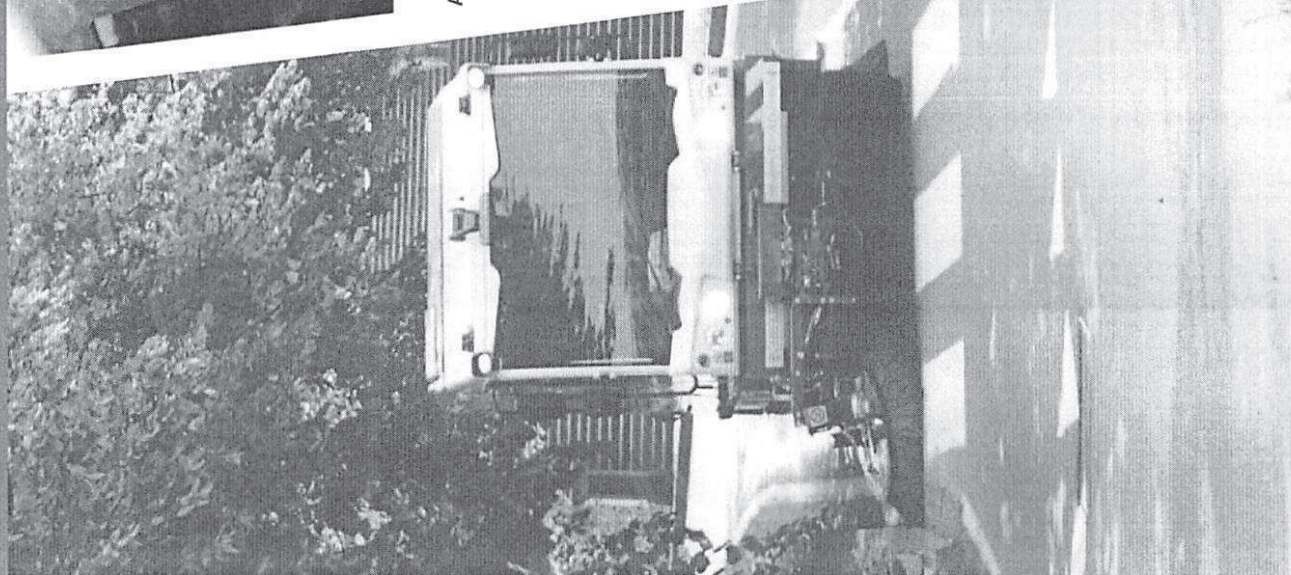




Application

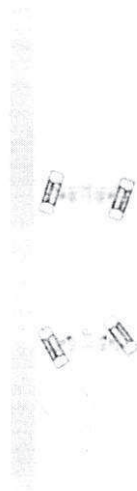
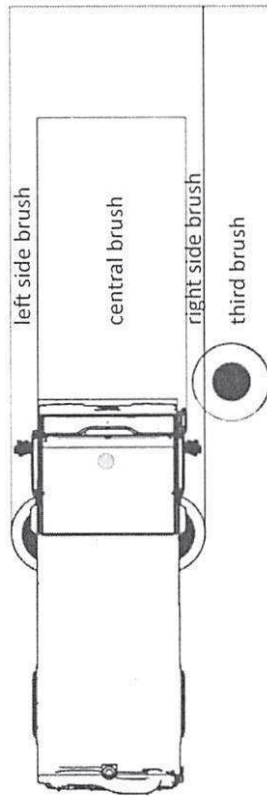
The 180-degree full motion massive front brush is an indispensable auxiliary tool for sweeping corners, gutters and for increasing working width.

The hopper uplifting system allows the discharge of the debris in refuse containers, trucks or in big refuse compactors. A variety of options expand the working spectrum of Dulevo 6000 Revolution – everywhere at any time.

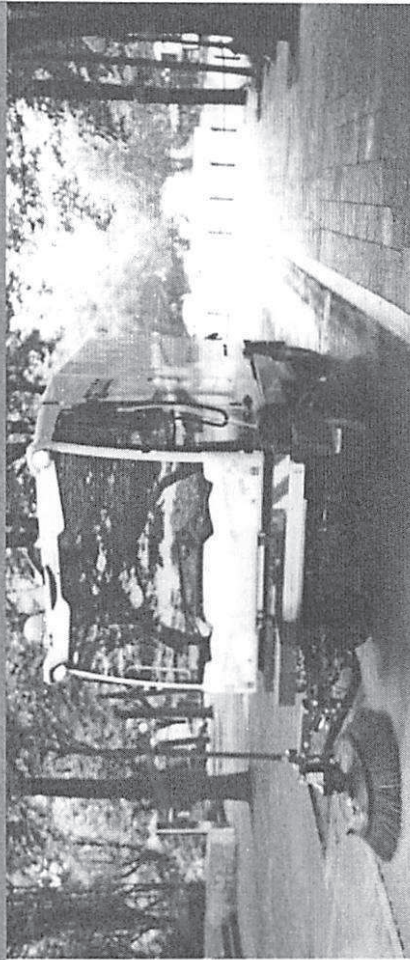
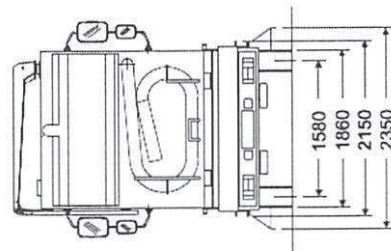
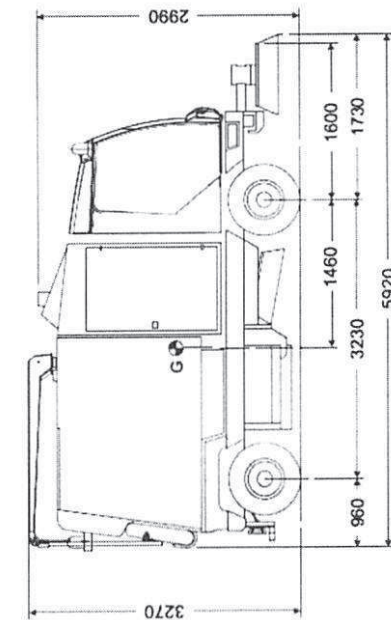


Security

One of Dulevo priority has always been the safety in the working environment of the machine. Dulevo 6000 Revolution is standardized equipped with a reverse camera with a colour screen in the cabin next to an acoustical warning.



Kerb to kerb
9630 mm



Technical data		6000 Revolution
Sweeping width:		
-with central brush	mm	1300
-with side brushes	mm	2600
-with third brush	mm	3500
Central brush diameter	mm	650
Side brushes diameter	mm	1100
Third brush diameter	mm	1300
Waste hopper capacity	L	6200
Dumping height (opt)	mm	1150 - 2200 (opt)
Water tank capacity	L	425 (500)
Seats in the cabin	n°	2 o 3 (opt)
Cleaning performance	m²/h	105000
Maximum speed	Km/h	42
Filtration PM10	%	99
Engine "Make"		FTP Industrial (IVECO)
Alimentation		Diesel
Weight	Kg	7850

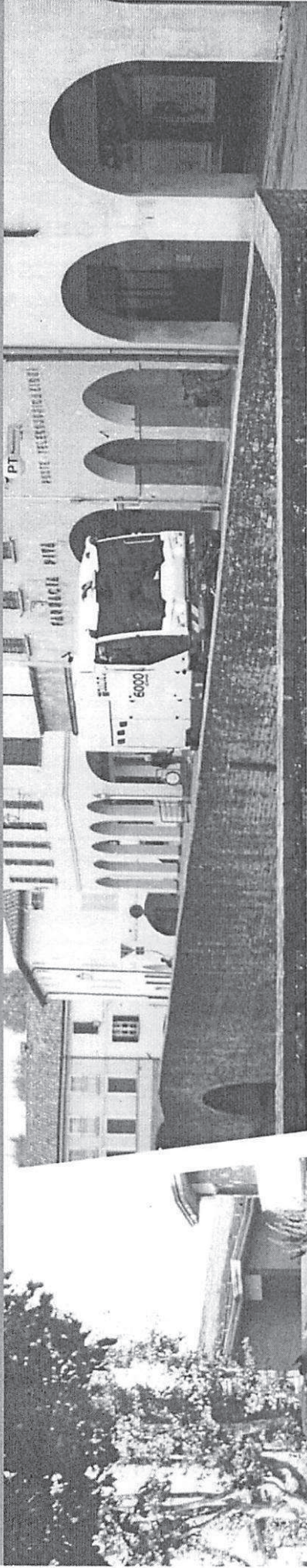
I N D U S T R I A L A N D C L E A N I N G E Q U I P M E N T



6000 CNG

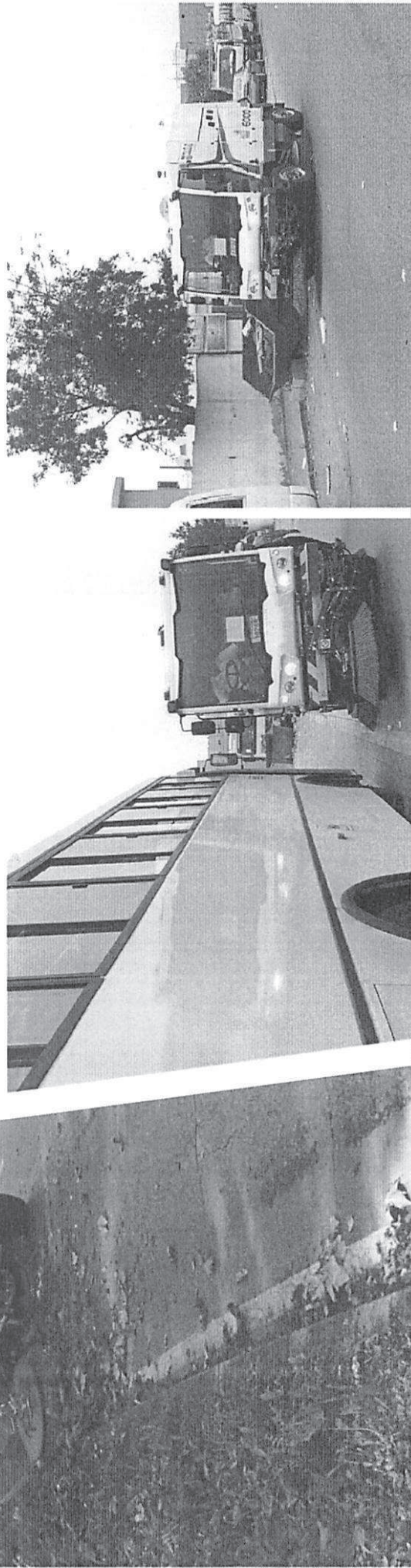


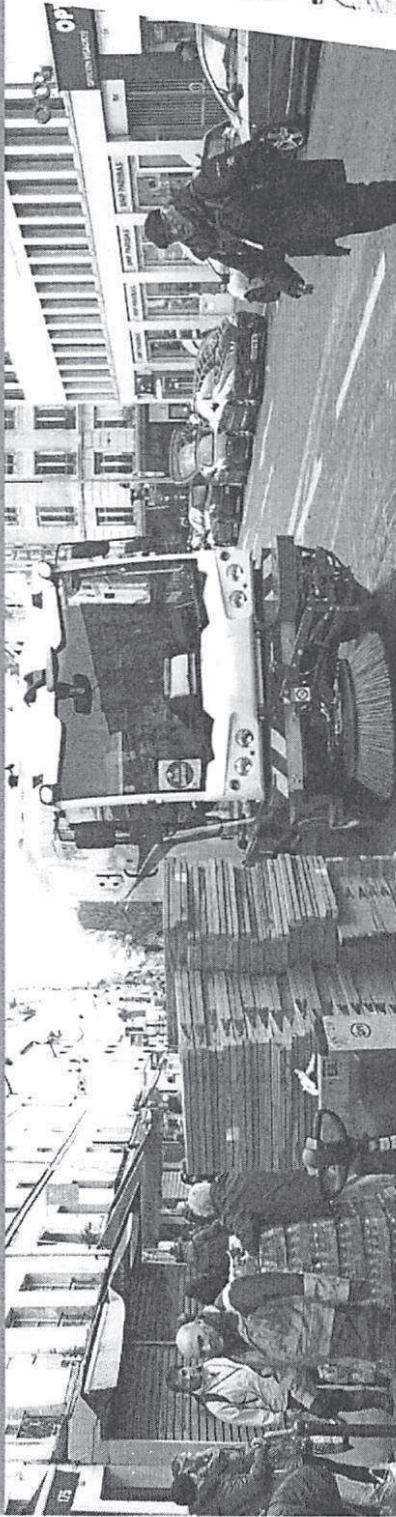
I N D U S T R I A L A N D C L E A N I N G E Q U I P M E N T



Concept

The Dulevo 6000 CNG sweeper is a mechanical-suction sweeper powered by natural gas. Without changing its sweeping capacity, Dulevo has created a sweeper fully respecting the environment, giving great attention to cities and citizens. The 6000 CNG guarantees low noise emissions, no dust emission to the atmosphere, no pollution from fuel combustion and, in a few words, the absolute certainty of supplying local authorities with a machine that, for the first time, is truly "zero emission".





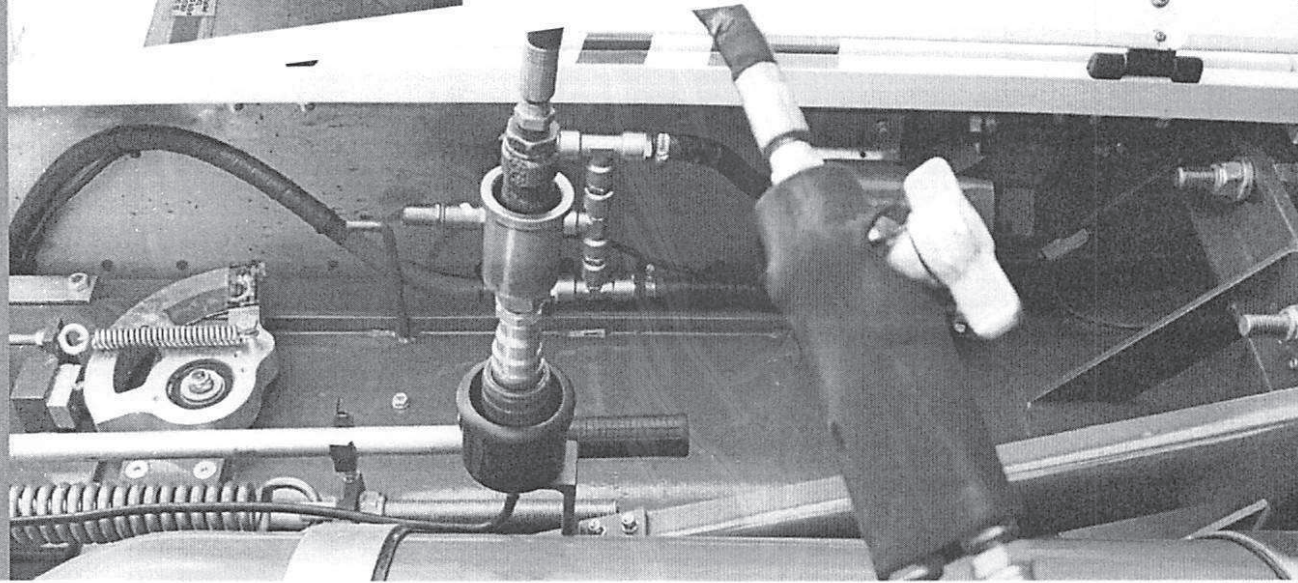
Dulevo combined system: in THEORY

Thanks to the Dulevo patented mechanical-suction-filtered system, the Dulevo 6000 CNG sweeper has a performance three times higher than any other traditional sweeper. The collection is mechanical and facilitated by the side brushes, which convey the debris towards the centre of the machine, where the cylindrical central brush then sends it at a high speed onto a vertical conveyor. The debris is loaded in the refuse container through the upper part, therefore optimizing the loading capacity of the machine. The dust raised by the cylindrical central brush is suctioned and kept in the container thanks to the depression created by two high-range and high-prevalence suction fans. The peculiar fabric filtering system retains even the smallest particulates and completes the sweeping cycle guaranteeing the reintroduction in the environment of clean air only.



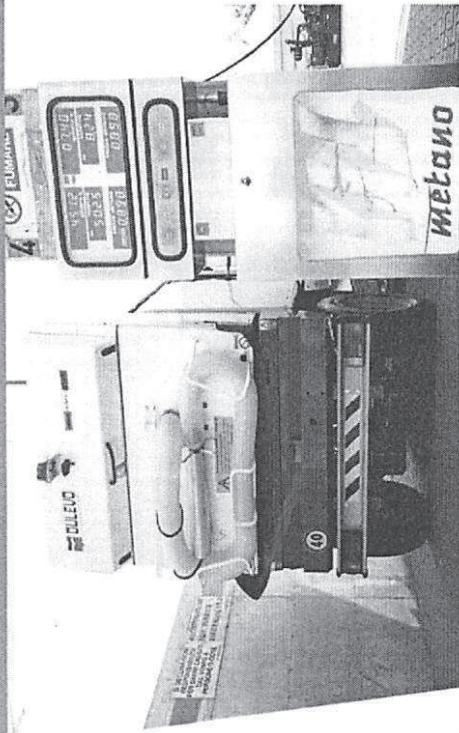
Dulevo combined system: in PRACTICE

Thanks to the strong points and the advantages of the mechanical-suction-filtered combined collection system, the Dulevo 6000 CNG is the ideal machine for the most diverse urban applications, in any climatic condition: Street sweeping in the summer time in the presence of sand and dust, disposal of autumnal deposits of leaves and pine needles, refuse collection after local markets, and sweeping in the winter period at particularly harsh temperatures. Indeed, only the side brushes (being located externally of the depression area) require a limited sprinkling of nebulized water for particulates control, allowing this way the sweeping with no need of water.



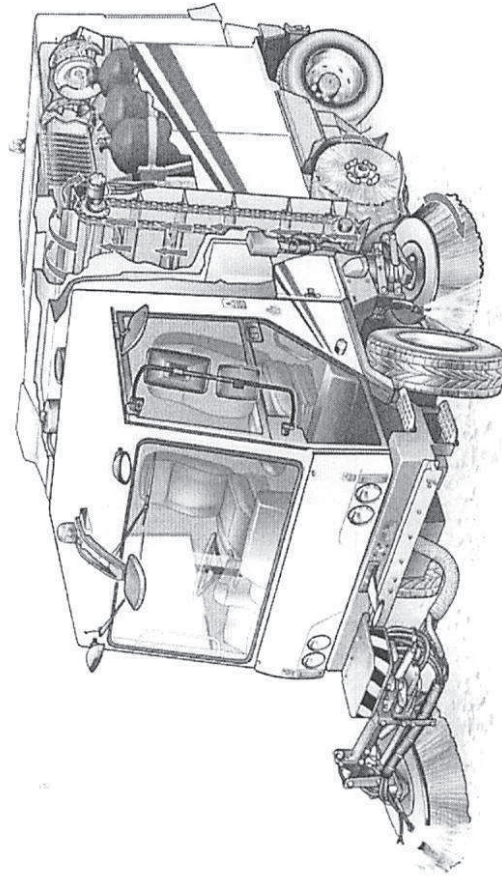
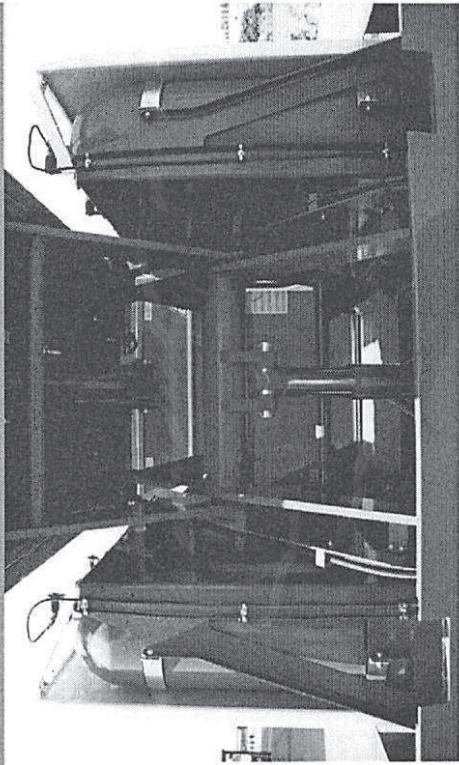
Natural Gas

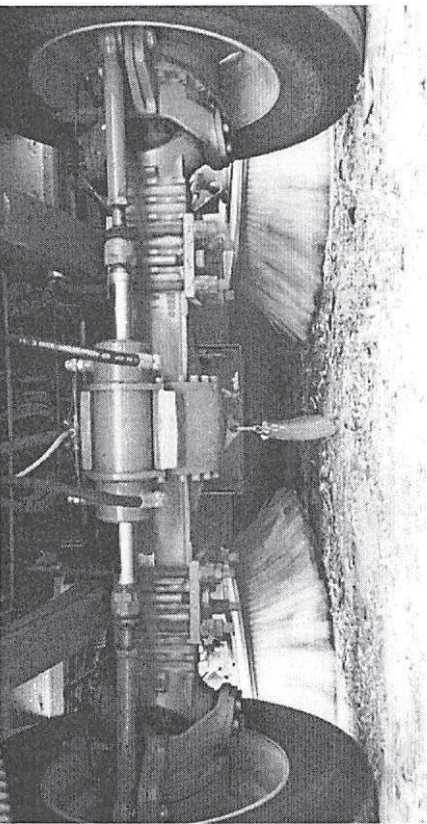
Natural gas (85-99% methane) is a clean, inexpensive fuel that is abundant in many parts of the world.



The Engine

Powered by compressed natural gas
7 cylinders containing 85 litres/12 kg each
Consumption 11 kg/h





DULEVO & GORE:

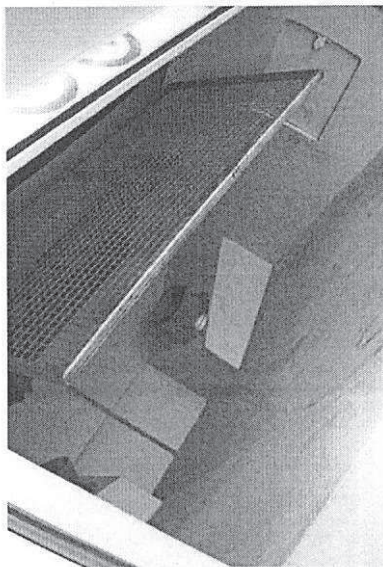
an agreement in favour of the environment

The mechanical-suction-filtered system used in Dulevo sweepers, already well-known for its capacity to filter fine and ultra-fine particulates, has now been improved by the exclusive application of GORE® filters and proves to be the only one able to guarantee the total capture of PM10 particulates in urban and industrial environments. Hand in hand with the advanced research developed by Dulevo over the years, and thanks to the valuable cooperation of independent research bodies and institutes, today Dulevo is the only company in the world that fits GORE® fabric filters certified for a PM10 particle filtration level of more than 99.9%.

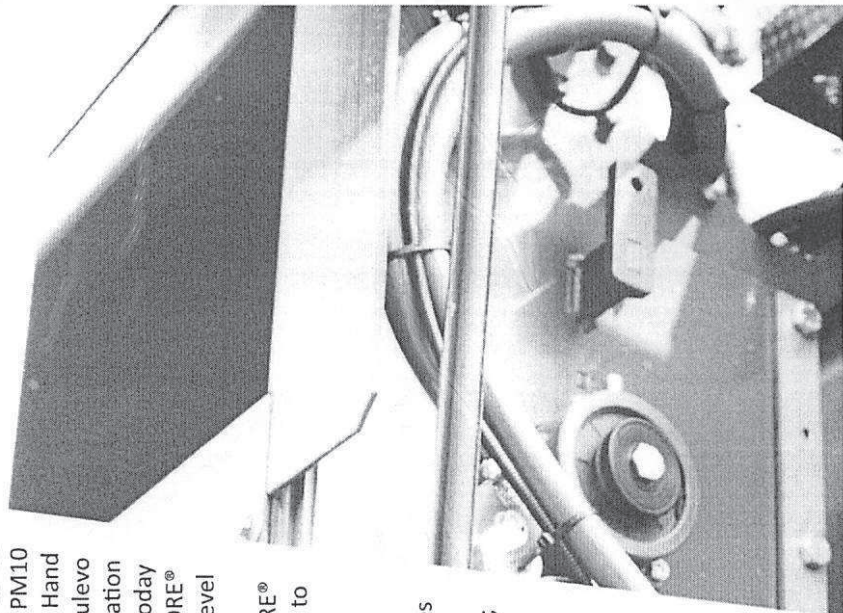
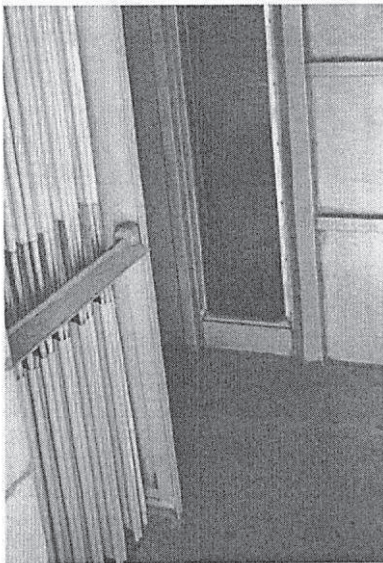
The 6000 CNG is equipped as standard with GORE® filter, which considerably increases its performance to guarantee:

- minimum filter maintenance;
- almost total filtration of PM10, PM5, PM2.5 and PM1 fine particulate matter;
- filtration quality that remains unchanged over time, thanks to the exclusive GORE® material that keeps its properties unchanged;
- better cleaning quality, thanks to an increased air flow that allows improved suction of particulate matter and lighter waste;
- total resistance to external agents;
- useful life of the filter guaranteed without limits for 5 years.

Traditional filter



Dulevo filter



FILTERING CAPACITY (with Certificate of conformity issued by TÜV and DNV)

Fraction with granulometry < 1 µm	58%
Fraction with granulometry < 2.5 µm	92%
Fraction with granulometry < 5 µm	98%
Fraction with granulometry < 10 µm	>99%



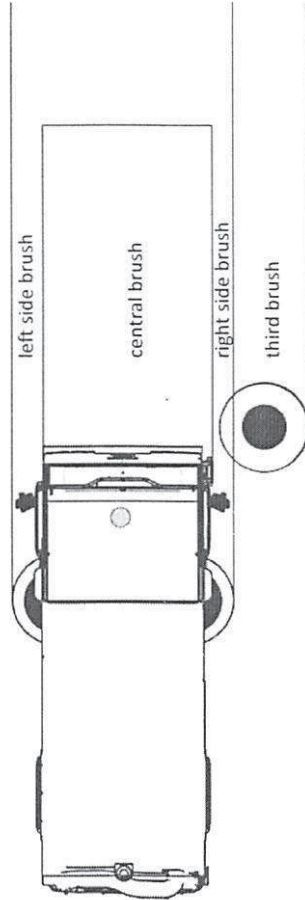
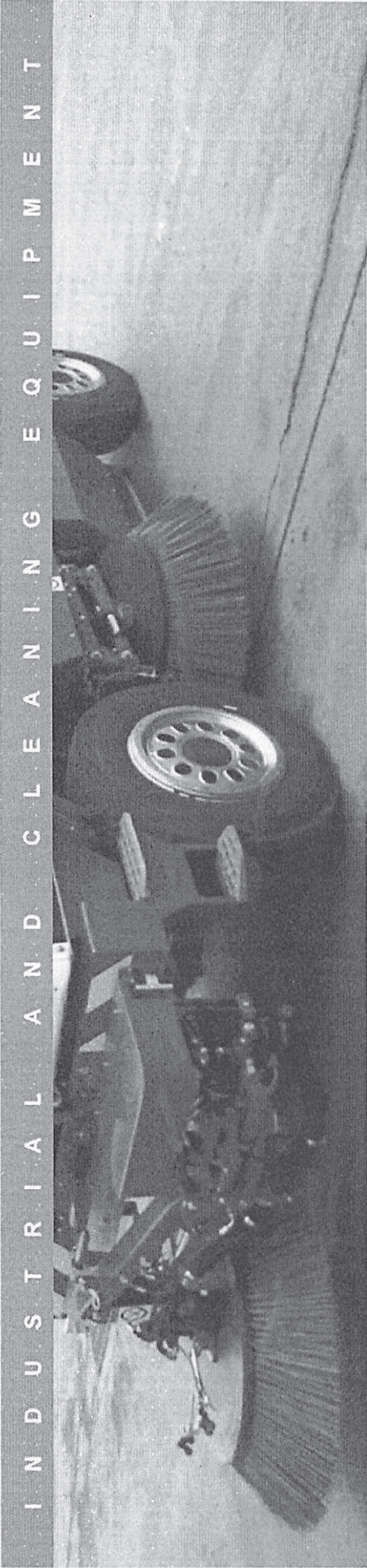
Project guidelines

- The use of natural gas drastically reduces emissions.
- The use of a GORE® filter allows even the smallest particles to be picked from the ground and retained inside the sweeper.
- All the most advanced technologies have been used to make the natural gas system installation absolutely danger free.
- Noise emissions are very low thanks to a latest generation engine. This makes the machine comfortable not only for the driver but also for people in the vicinity of it.
- Powered by compressed gas; 7 cylinders containing 12 kg of gas each that guarantee over 8 hours of operation.
- Catalytic converter fitted as standard.

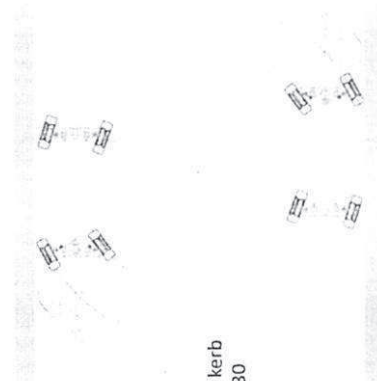


A history of innovation and tradition

The tradition of Dulevo sweepers fueled by methane gas goes on. The first to be introduced on the market in spring 2008 was the 5000 CNG, which is being used in the major European cities (Rome, Prague, Barcelona, just to name a few) and has already won two important European awards ("CIWM Award - Vehicle of the Year" in England in 2008 and the "Clean Green Afidamp Award" in 2009) as the most ecological vehicle on the market. This is only the start of the first real ecological revolution in the cleaning field, and the protagonist just had to be Dulevo.



Kerb to kerb
mm 9630



TECHNICAL DATA		6000 CNG
Sweeping width:		
- With central brush	mm	1300
- With right and left brushes	mm	2600
- With third brush	mm	3500
Waste hopper capacity	m ³	4,8
Maximum dump height (opt)	mm	1150 (2300)
Seats in the cabin	n°	2-3 (opt)
Cleaning performance	m ² /h	105000
Maximum speed	Km/h	42
Filtration PM10	%	99
Engine manufactured		FPT Industrial (IVECO)
Fuel		CNG
Lenght (with 3rd brush)	mm	5190 (5920)
Width	mm	2350
Height	mm	2990

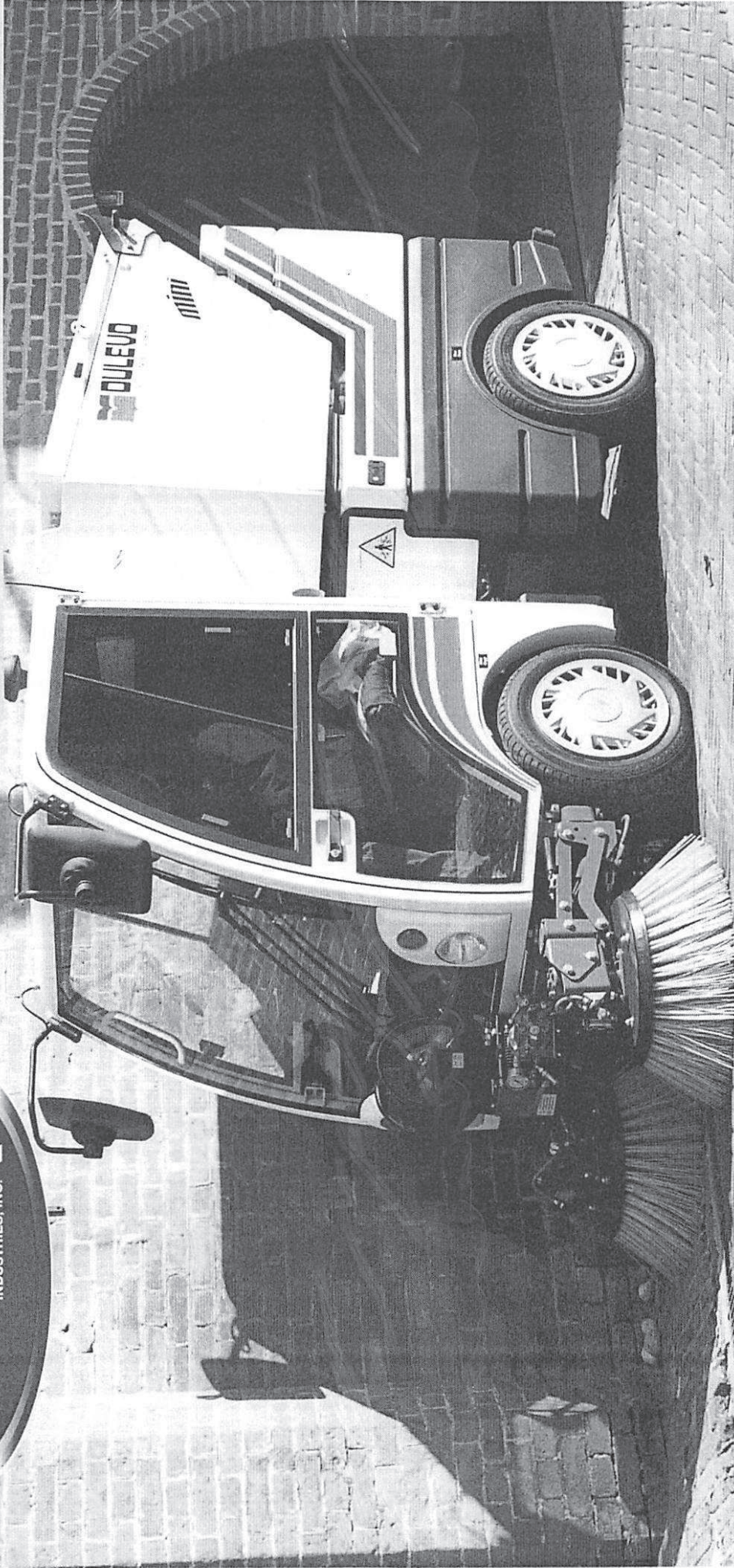




A FAMILY COMPANY SINCE 1967

DULEVO 850
MINI
INDUSTRIAL GRADE SWEEPER

FIRST IN POWER CLEANING EQUIPMENT



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 **EQUIPMENT**  **PARTS**  **RENTALS**  **SERVICE**  **SUPPLIES**

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850 MINI

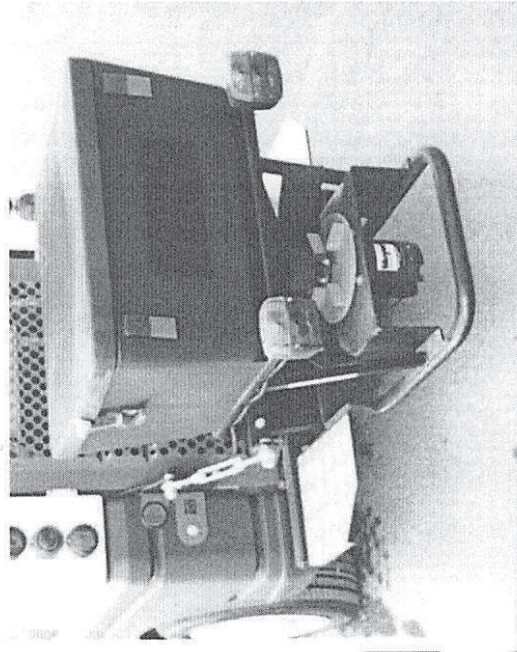
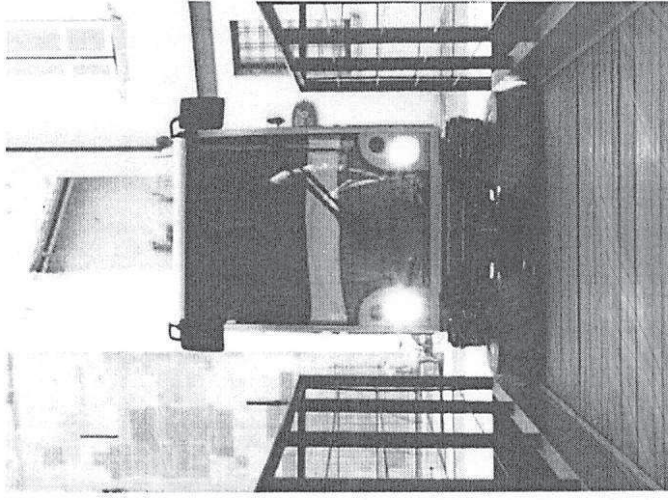
Concept

The 850 Mini is, thanks to the excellent synergy of compact design, superlative sweeping efficiency and the large waste hopper capacity, the smallest road sweeper of its class.

Modern design, innovative constructions and effective solutions for applications make the 850 Mini to the perfect working tool for all seasons.

Latest technology and the used high-quality components ensure the high quality demands of the market.

Next to the normal operating spectrum of out door surfaces, cycle paths and pedestrian areas, the 850 Mini is particularly suitable for hard to reach or low areas as parking lots because of its perfect machine dimensions and the manoeuvrability.



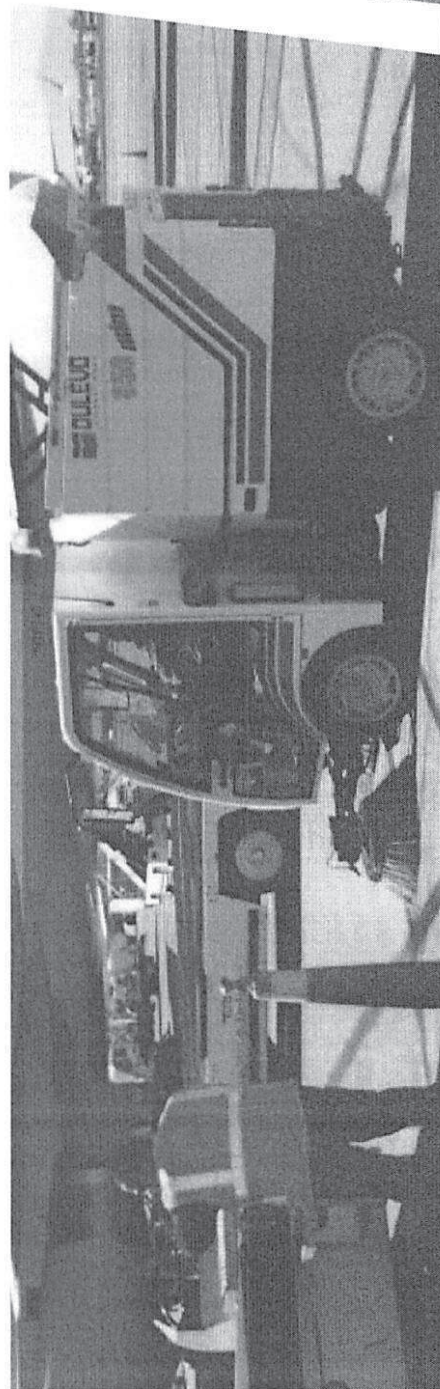
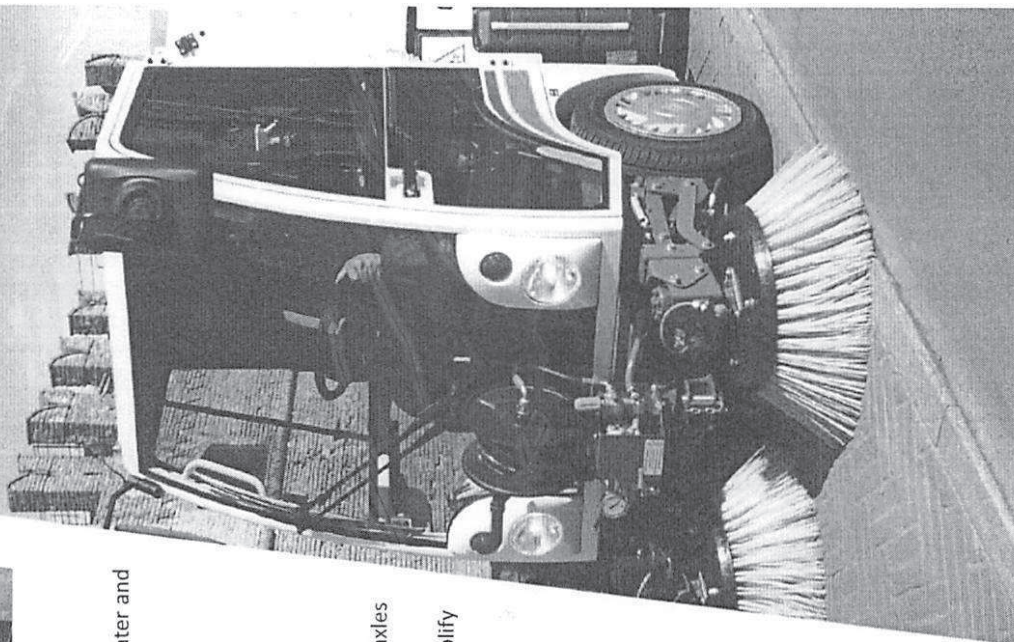


Environment

Environmental awareness and Dulevo belongs together since time immemorial. Low noise and dust emission belongs as well as low water and fuel consumption to the basic concept of the 850 Mini. The engine respects the latest EU emission regulations.

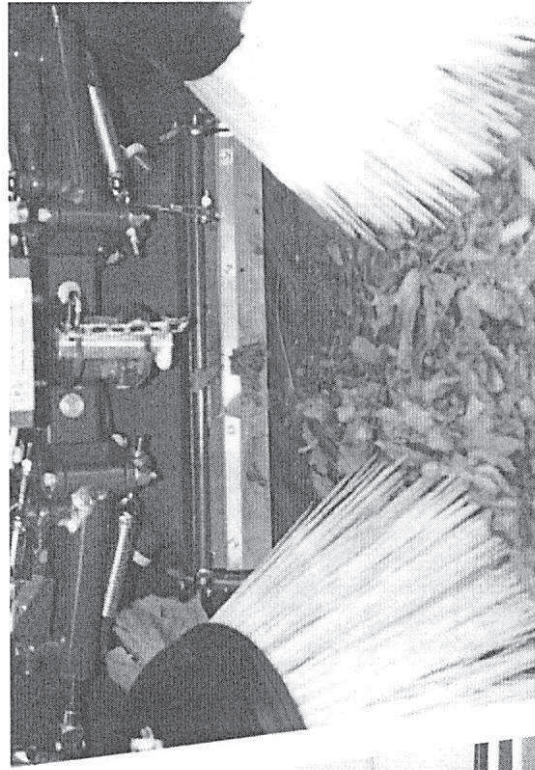
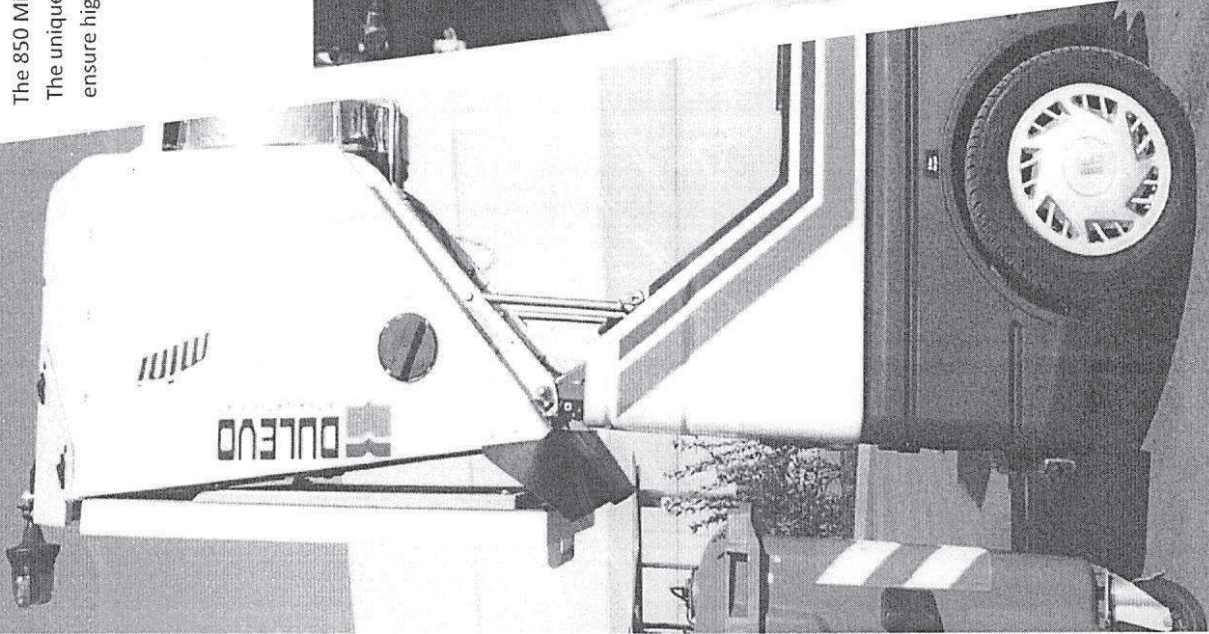
Comfort

In addition to the application specifications, the ergonomics and operators comfort are a priority. The over-sized standard tires, axles suspension and ideal weight distribution insure a balanced and safe driveability. The powerful drive transmission ensure the use in difficult conditions and on slopes. The hydraulically assisted steering greatly simplify complex manoeuvres.



Working performance

The 850 Mini is reaching due to the flexible adjustable working width of the side brushes a maximum of productivity. The unique suction mouth and the powerful suction turbine pick up highly effective material as grit, sand and bulky debris. The large water capacity ensure highest operating autonomy and reduce resetting times. The performance can be increased by the optional and innovative recycling system.

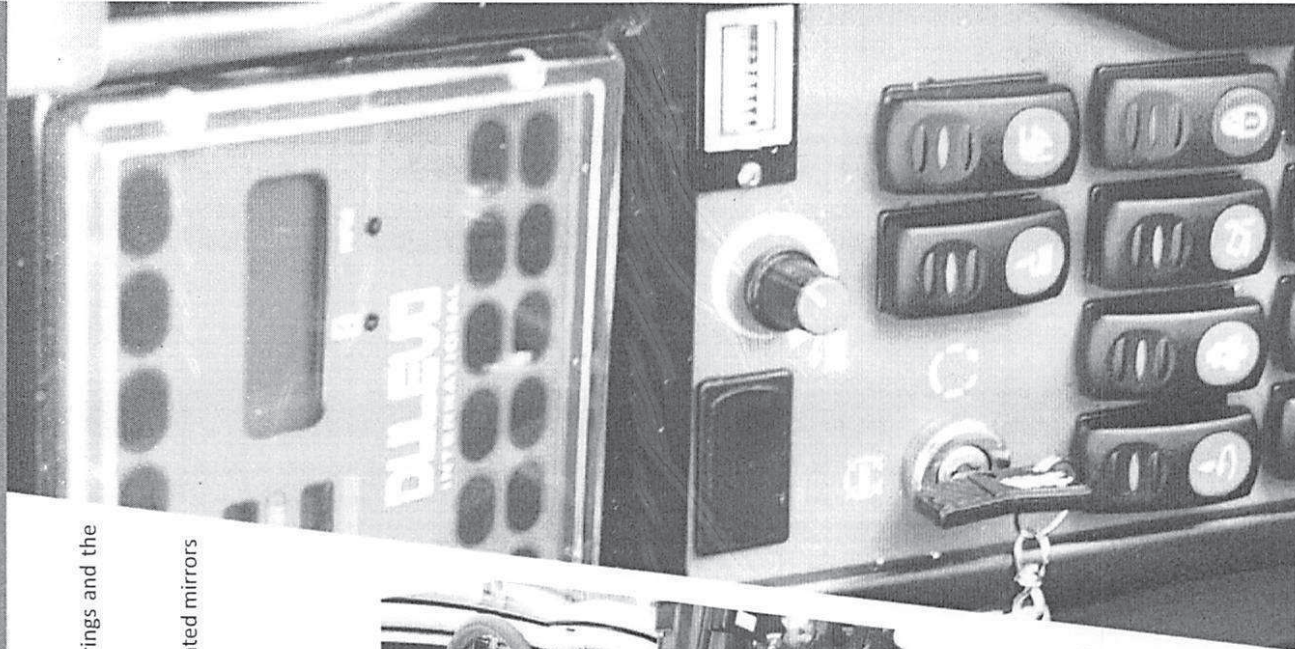


Access & Service

The innovative, modular structure, without the use of electronic and belt driven components and the easily removable side-mounted water tanks, simplify the access to all important components for service and maintenance. An additional maintenance hatch below the drivers seat and the button window support easy daily interventions on the suction mouth and hose.

Cabin

The symmetrically arranged cabin of the 850 Mini has been developed for the best operators comfort. An additional insulation, springs and the separation of the cabin from the main sources as engine and turbine, protects the operator from noise emissions and vibrations. The generous interior space of the cabin makes the machine to an extremely comfortable workplace. The large window surfaces of the cab allows the unobstructed all-round view of the working area. The standard equipment include heated mirrors and the air condition.



Operations

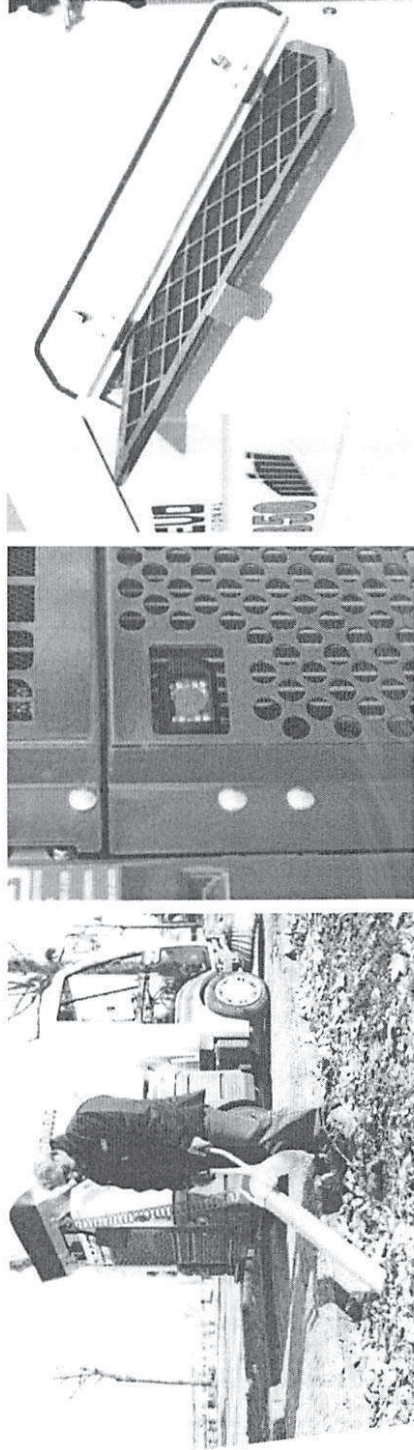
The steering column is individually adjustable, the laterally disposed and intuitive control panel is due to self-explanatory function buttons ease to use and avoid operating errors. The side brush units are controlled by a joystick of the ergonomic positioned control unit located at the arm rest.

Application

The full motion side brushes are excellent for sweeping corners, gutters and for increasing the working width.

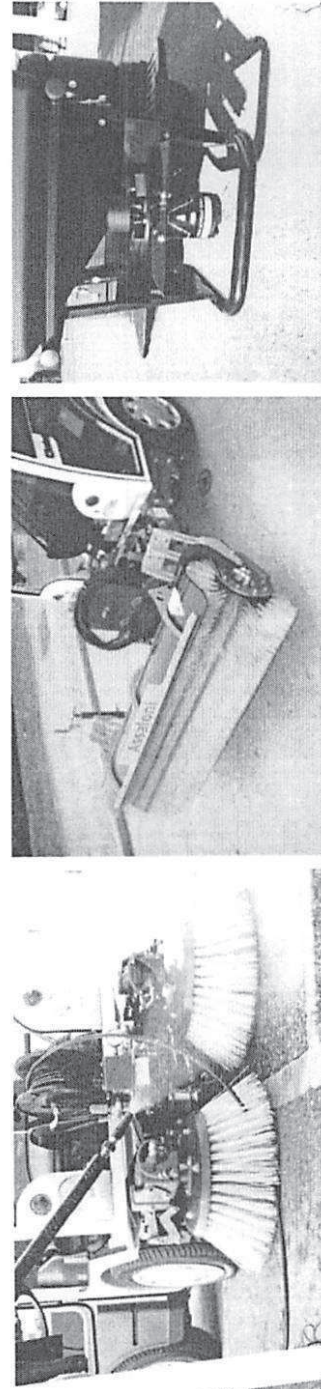
The large button window allows the operator perfect view on the suction mouth.

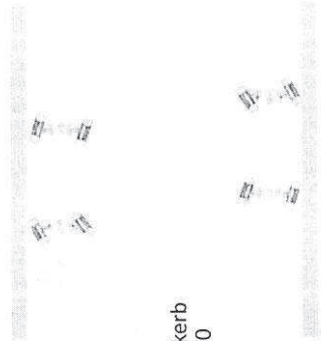
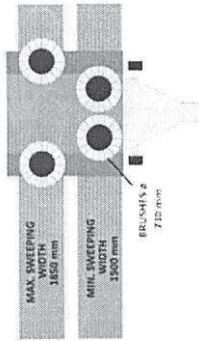
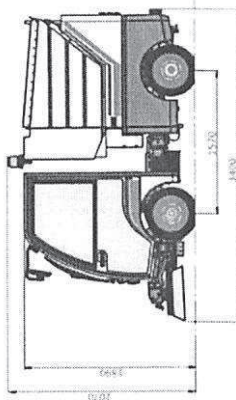
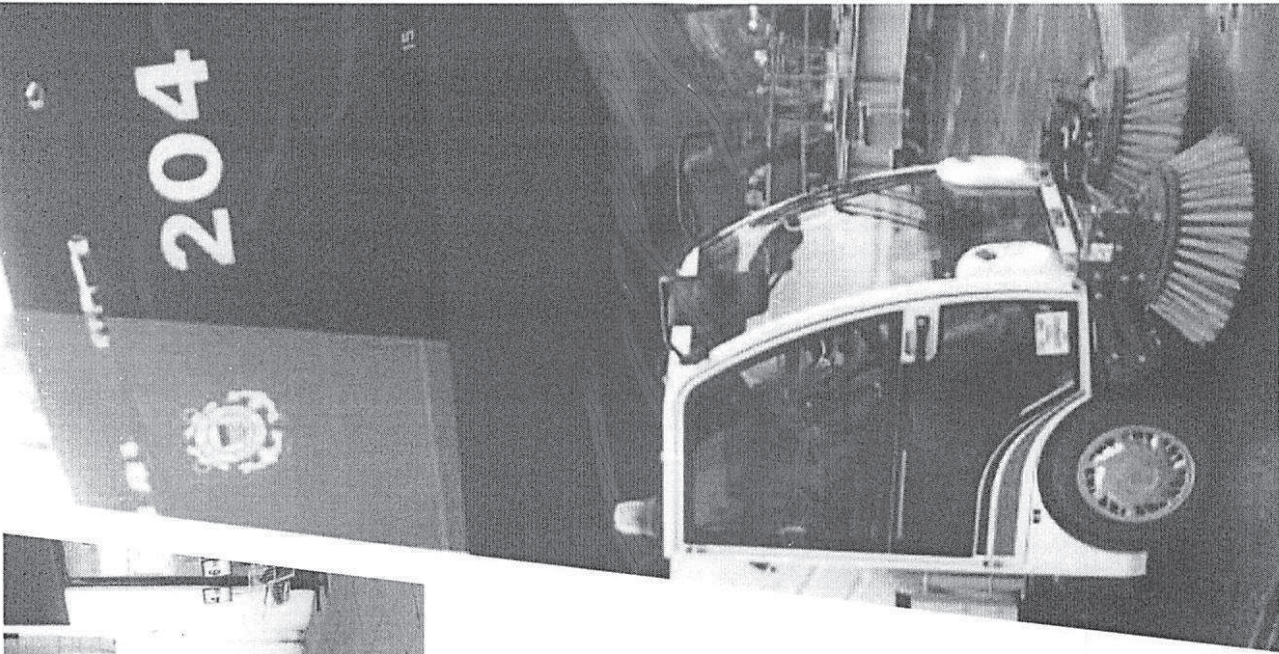
As additional working tools a high pressure unit and a manual suction hose can be fitted optionally to enlarge the working spectrum.



Security

A major concern of Dulevo is always the safety in the working environment of the machine. The 850 Mini is standardly equipped with a reverse camera with a color screen in the cabin, next to a acoustical warning beeper to ensure a safe reverse driving.





Kerb to kerb
mm 3400

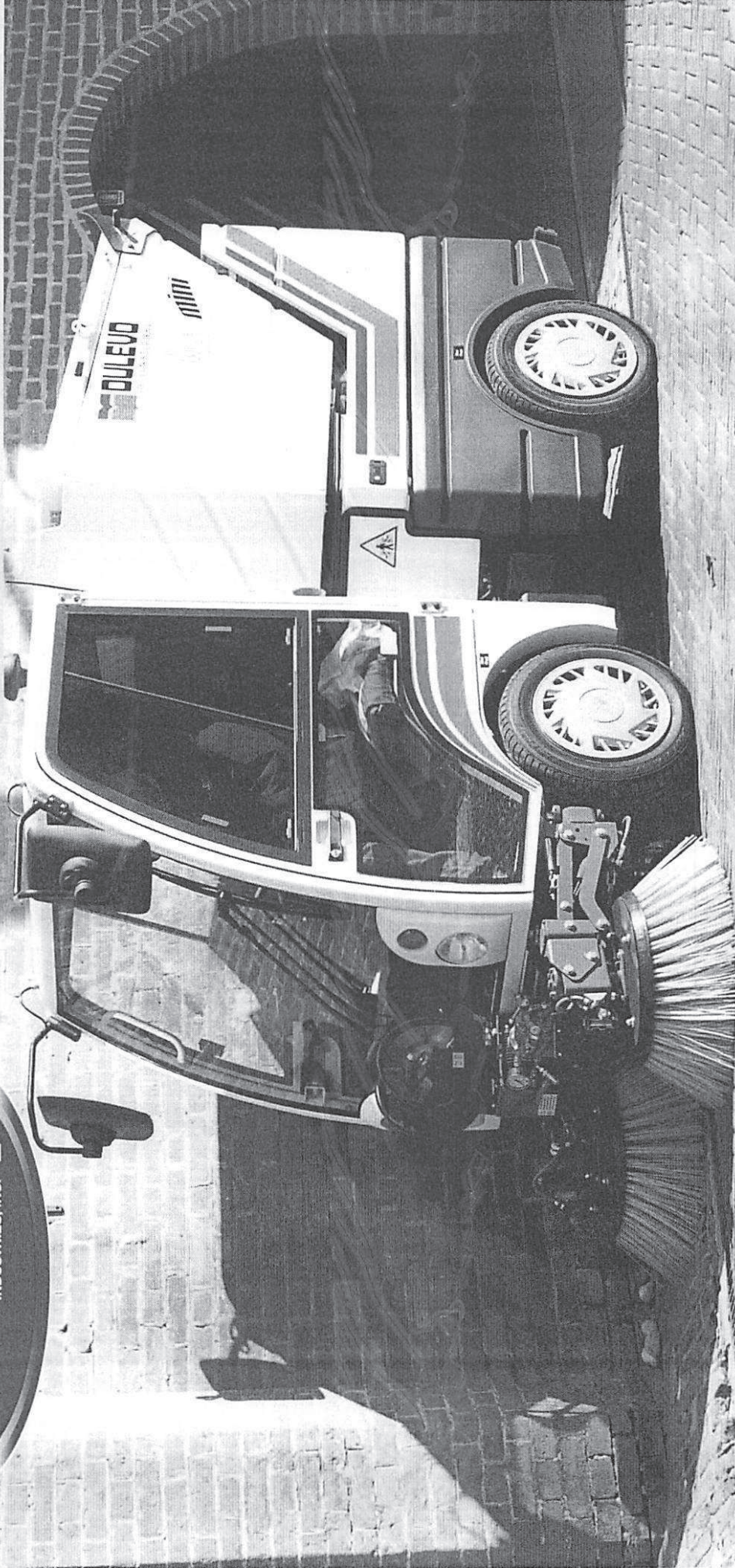
Technical Data		850-MINI
Sweeping width variable	mm	1500 - 1850
Brushes diameter	mm	730
Cleaning performance	m ² /h	22000
Maximum speed	Km/h	30
Waste hopper capacity	Lt	800 - 1000 (OPT)
Dumping Height	mm	1425
Water tank capacity	Lt	200
PM10 Filtration	Type	hydro mechanical
Number of seats	n°	1
Engine make		KUBOTA
Fuel		Diesel
Length	mm	3400
Width	mm	1100
Height	mm	2070
Weight	Kg	1850



A FAMILY COMPANY SINCE 1967

DULEVO850
MINI
INDUSTRIAL GRADE SWEEPER

FIRST IN POWER CLEANING EQUIPMENT



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 **EQUIPMENT**  **PARTS**  **RENTALS**  **SERVICE**  **SUPPLIES**

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850 MINI

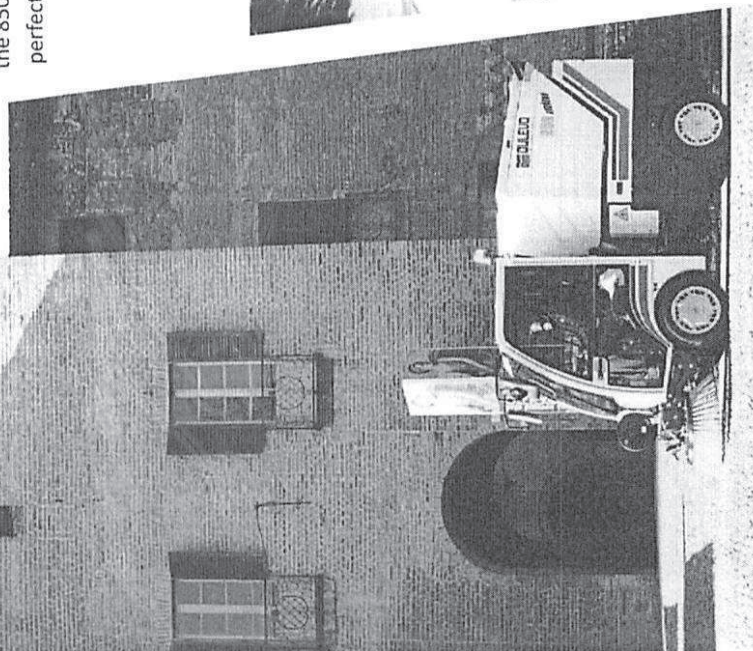
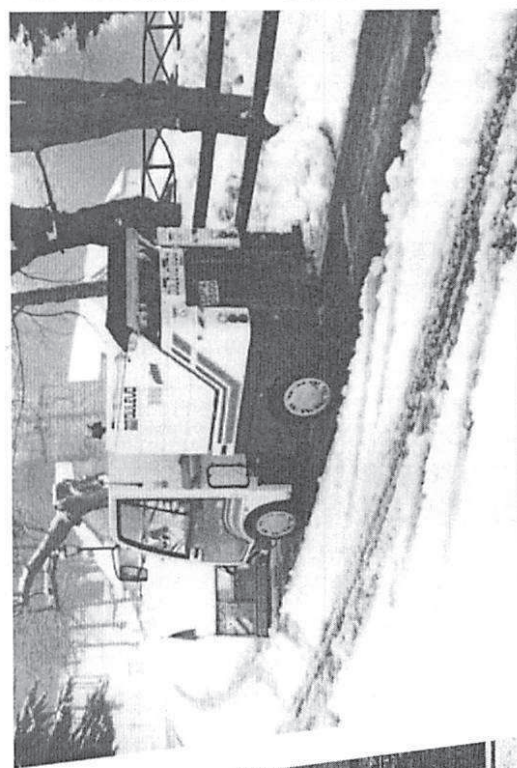
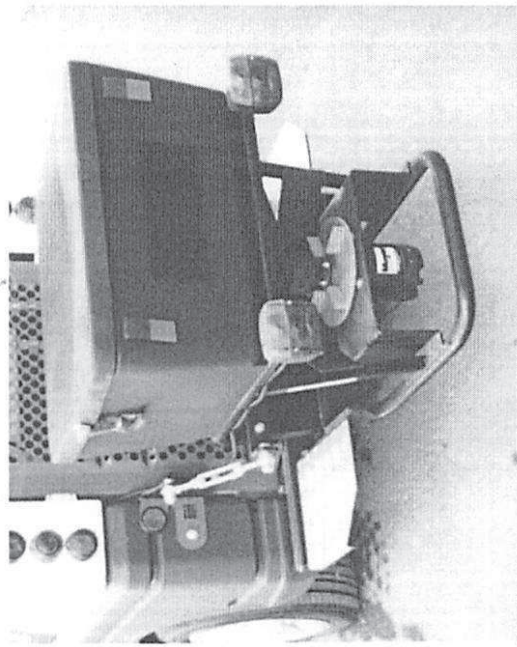
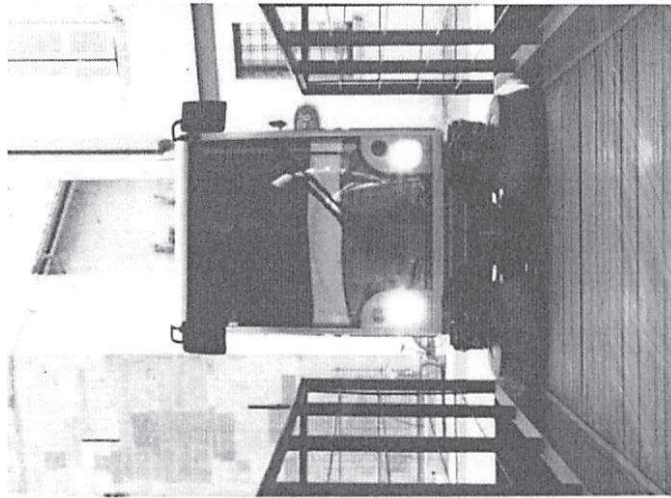
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Next to the normal operating spectrum of out door surfaces, cycle paths and pedestrian areas, the 850 Mini is particularly suitable for hard to reach or low areas as parking lots because of its perfect machine dimensions and the manoeuvrability.



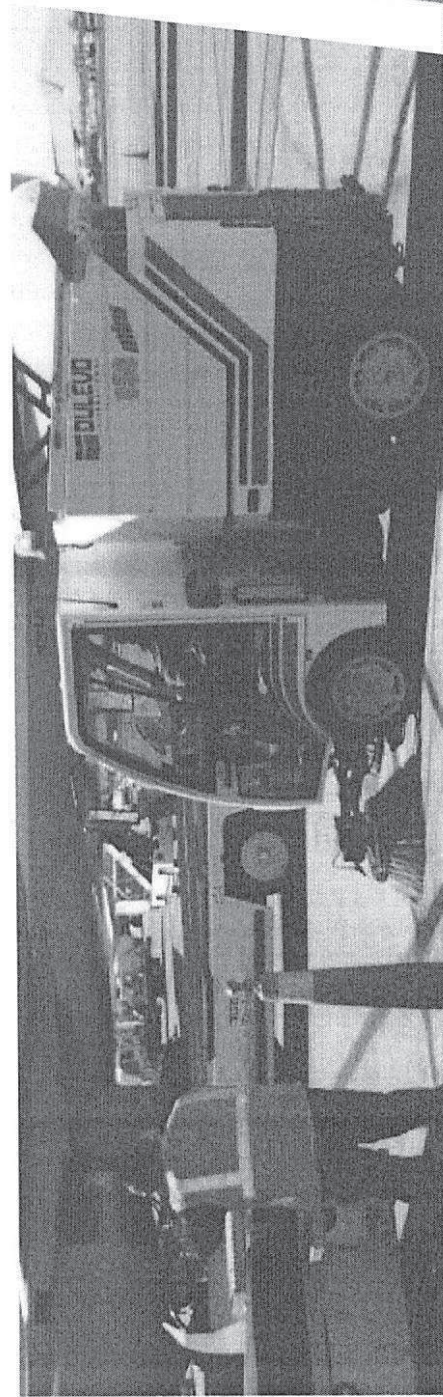
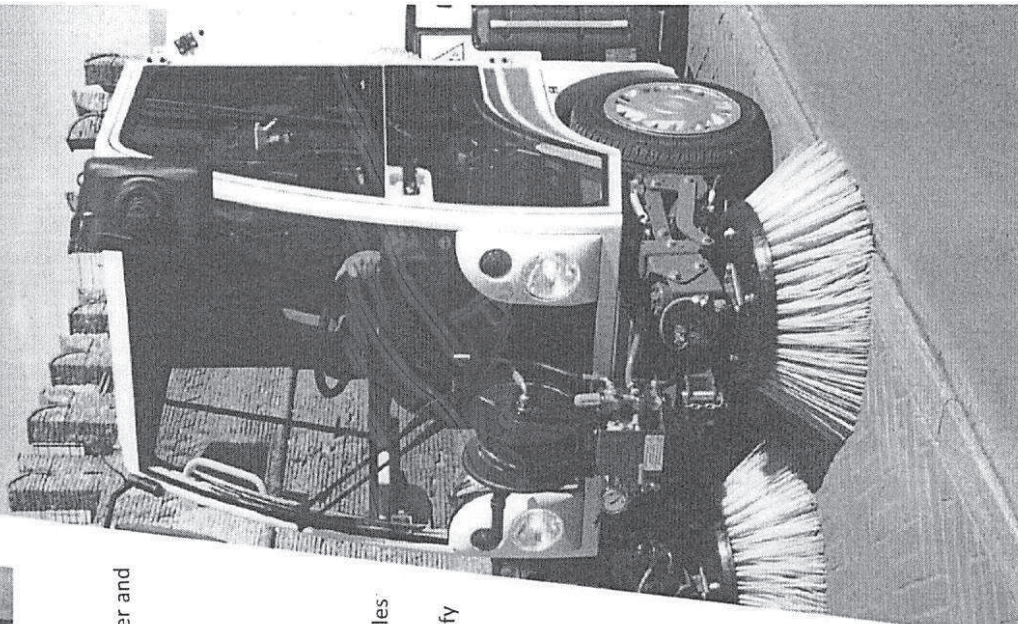


Environment

Environmental awareness and Dulevo belongs together since time immemorial. Low noise and dust emission belongs as well as low water and fuel consumption to the basic concept of the 850 Mini. The engine respects the latest EU emission regulations.

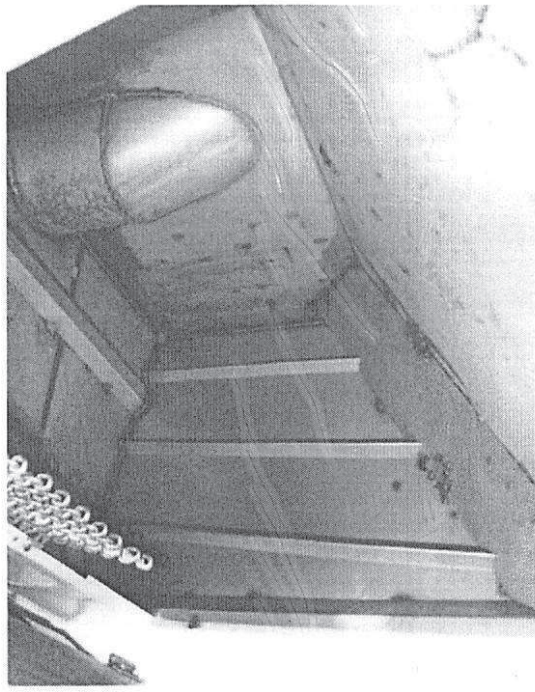
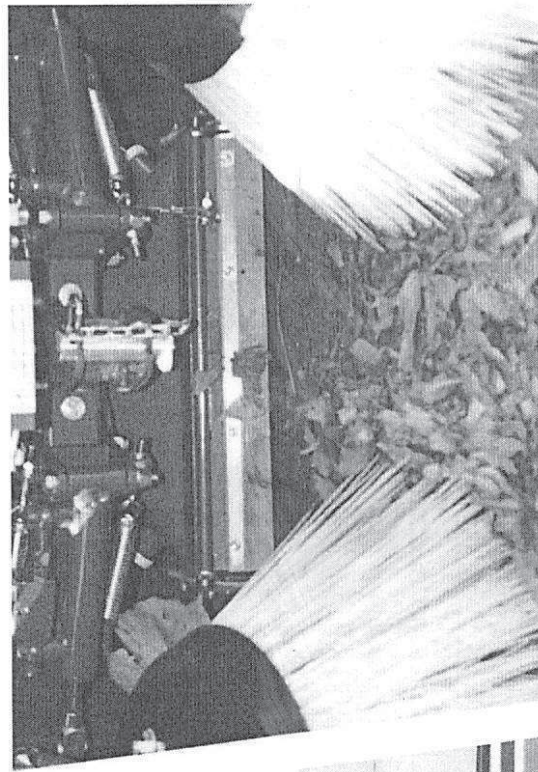
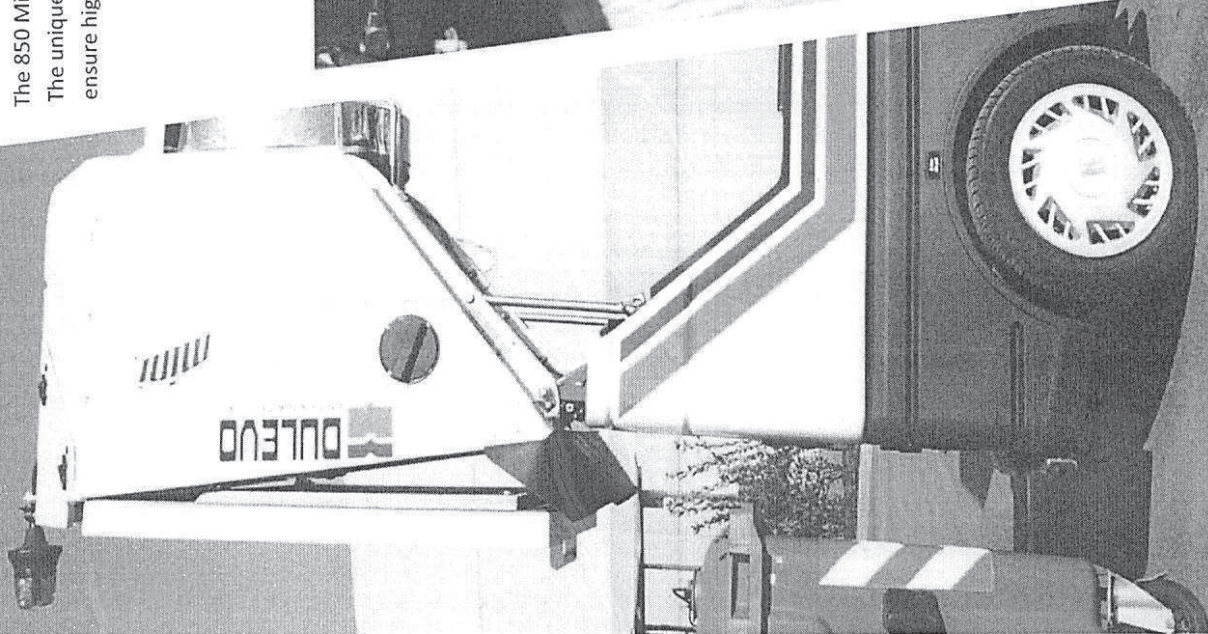
Comfort

In addition to the application specifications, the ergonomics and operators comfort are a priority. The over-sized standard tires, axles suspension and ideal weight distribution insure a balanced and safe driveability. The powerful drive transmission ensure the use in difficult conditions and on slopes. The hydraulically assisted steering greatly simplify complex manoeuvres.



Working performance

The 850 Mini is reaching due to the flexible adjustable working width of the side brushes a maximum of productivity. The unique suction mouth and the powerful suction turbine pick up highly effective material as grit, sand and bulky debris. The large water capacity ensure highest operating autonomy and reduce resetting times. The performance can be increased by the optional and innovative recycling system.



Access & Service

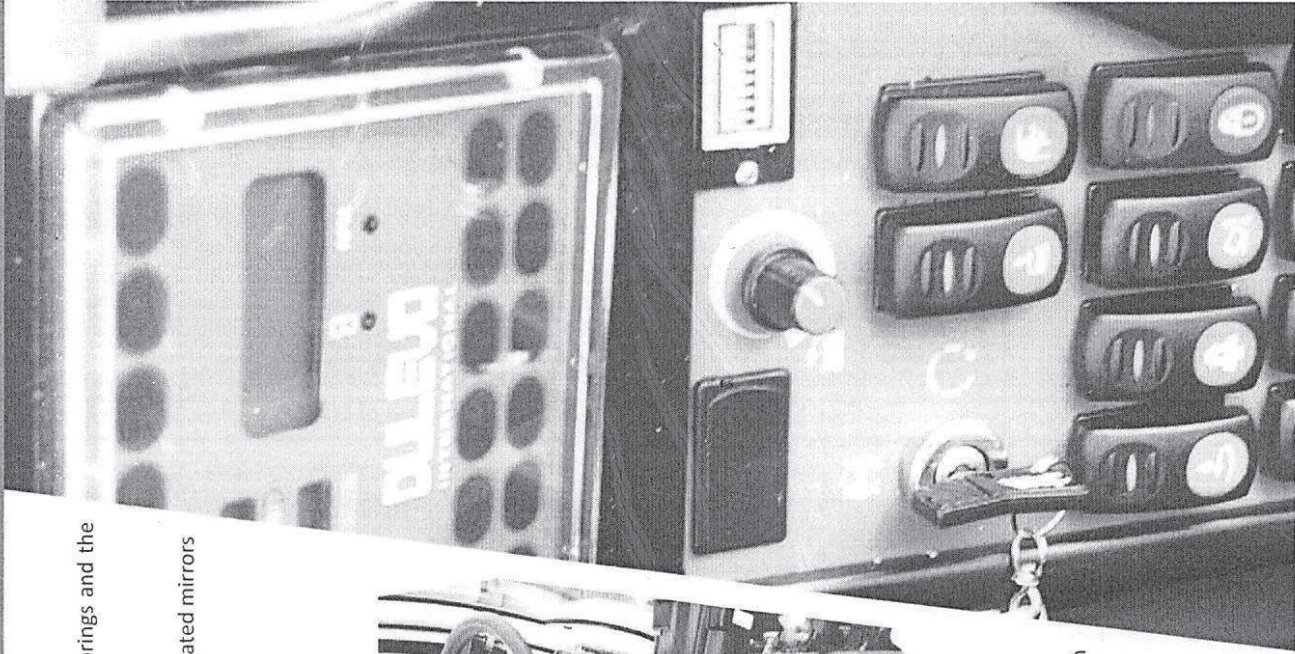
The innovative, modular structure, without the use of electronic and belt driven components and the easily removable side-mounted water tanks, simplify the access to all important components for service and maintenance. An additional maintenance hatch below the drivers seat and the button window support easy daily interventions on the suction mouth and hose.

Cabin

The symmetrically arranged cabin of the 850 Mini has been developed for the best operators comfort. An additional insulation, springs and the separation of the cabin from the main sources as engine and turbine, protects the operator from noise emissions and vibrations.

The generous interior space of the cabin makes the machine to an extremely comfortable workplace.

The large window surfaces of the cab allows the unobstructed all-round view of the working area. The standard equipment include heated mirrors and the air condition.



Operations

The steering column is individually adjustable, the laterally disposed and intuitive control panel is due to self-explanatory function buttons ease to use and avoid operating errors.

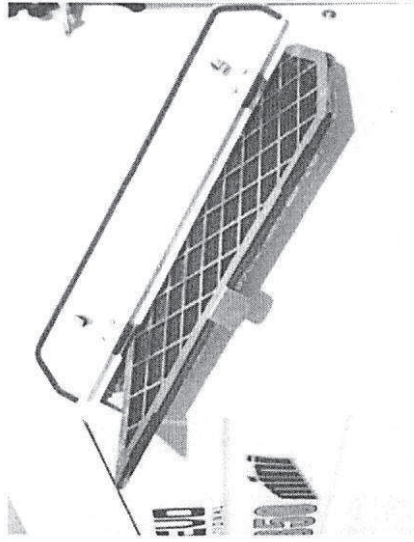
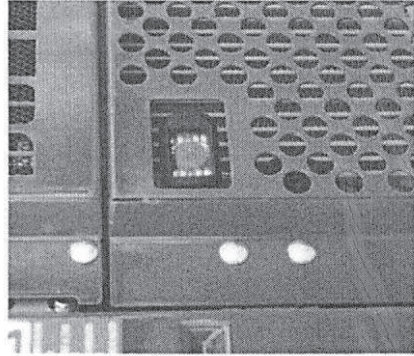
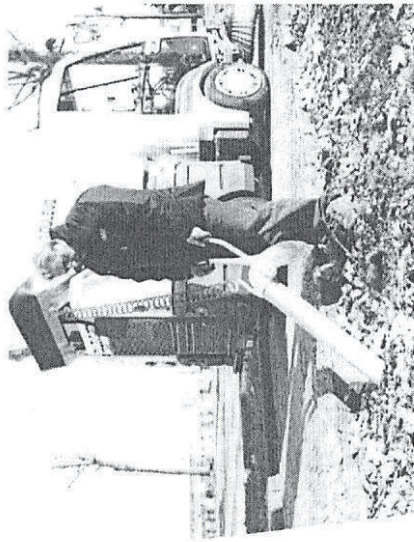
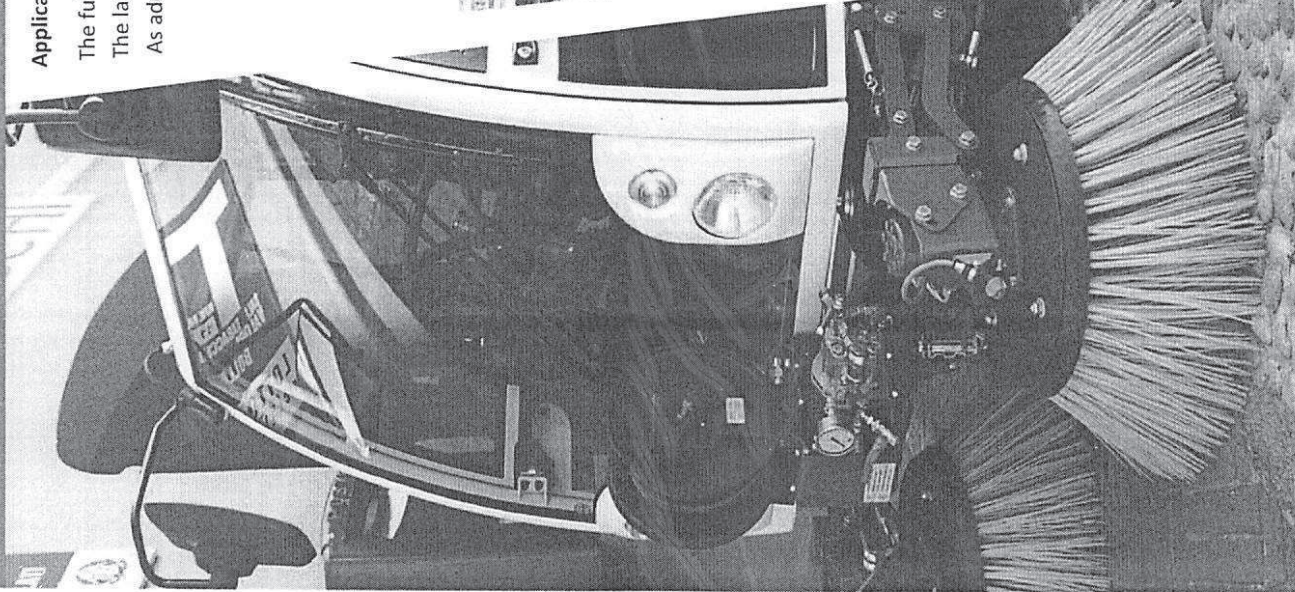
The side brush units are controlled by a joystick of the ergonomic positioned control unit located at the arm rest.

Application

The full motion side brushes are excellent for sweeping corners, gutters and for increasing the working width.

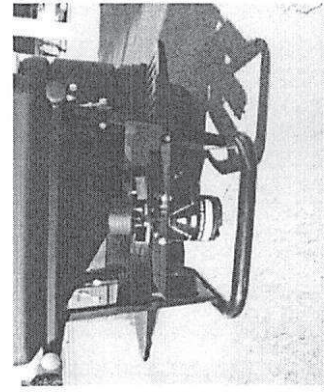
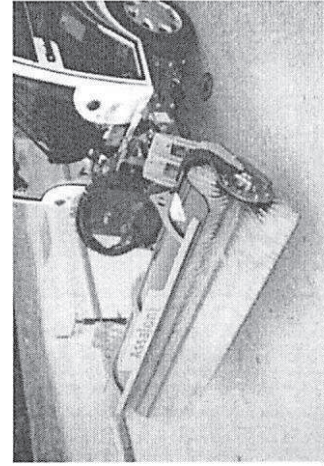
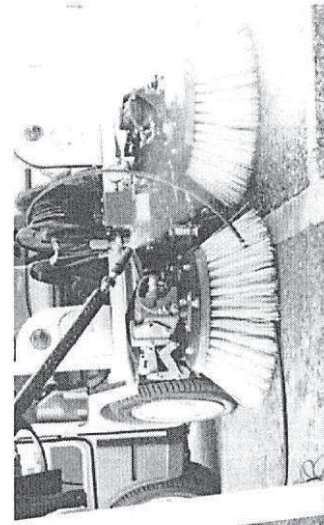
The large button window allows the operator perfect view on the suction mouth.

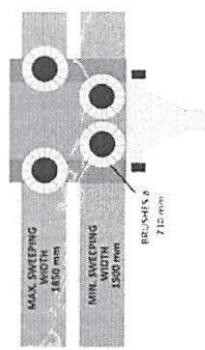
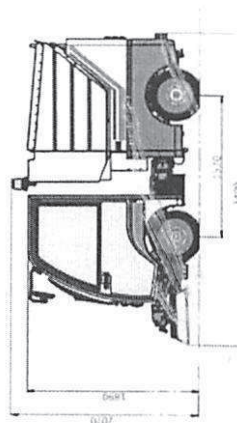
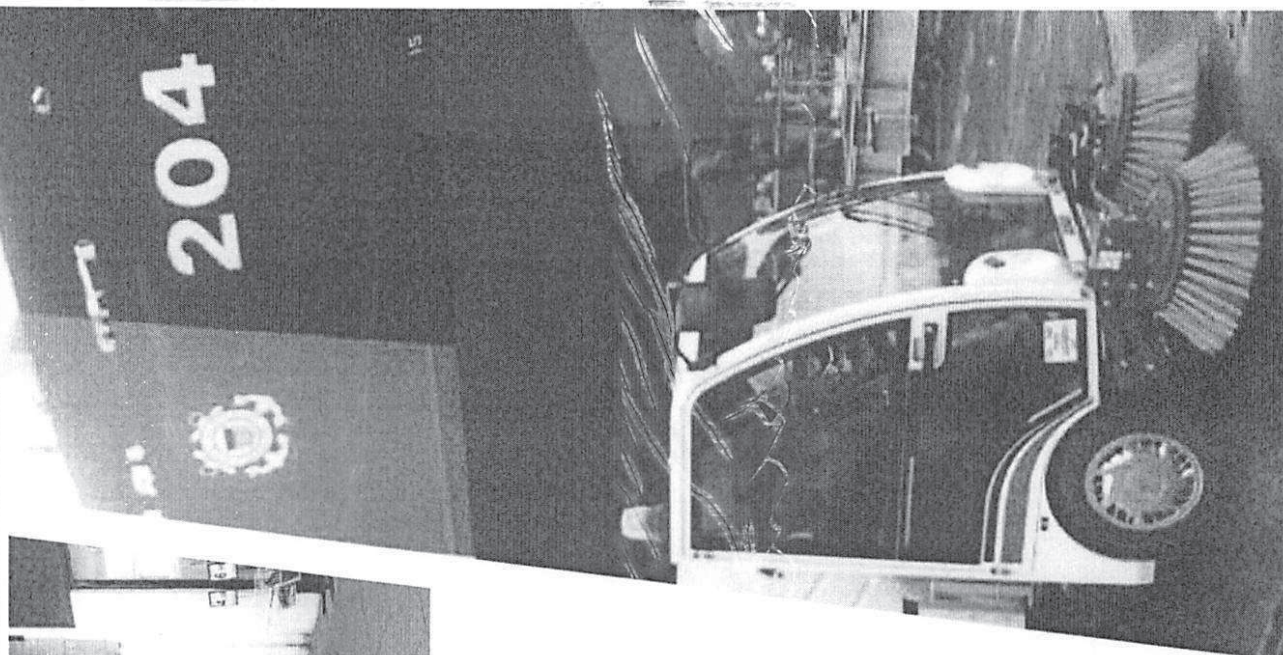
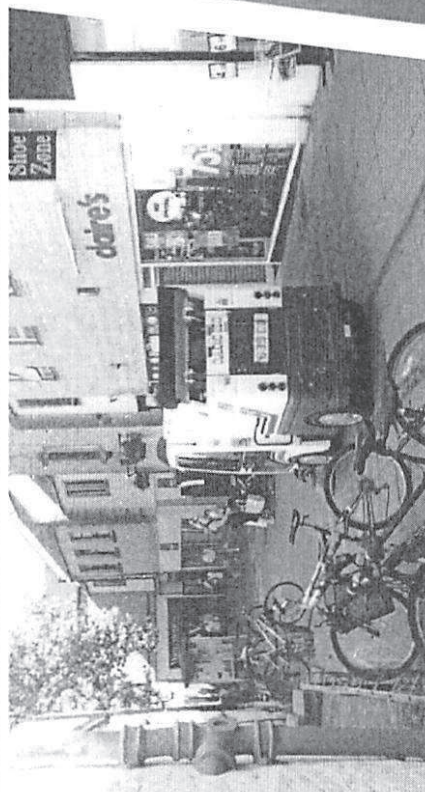
As additional working tools a high pressure unit and a manual suction hose can be fitted optionally to enlarge the working spectrum.



Security

A major concern of Dulevo is always the safety in the working environment of the machine. The 850 Mini is standardly equipped with a reverse camera with a color screen in the cabin, next to a accoustical warning beeper to ensure a safe reverse driving.





Kerb to kerb
mm 3400

Technical Data		850-MINI
Sweeping width variable	mm	1500 - 1850
Brushes diameter	mm	730
Cleaning performance	m ² /h	22000
Maximum speed	Km/h	30
Waste hopper capacity	Lt	800 - 1000 (OPT)
Dumping Height	mm	1425
Water tank capacity	Lt	200
PM10 Filtration	Type	hydro mechanical
Number of seats	n°	1
Engine make		KUBOTA
Fuel		Diesel
Length	mm	3400
Width	mm	1100
Height	mm	2070
Weight	Kg	1850