



**ceccato**  
wash systems



## **Wash Proposal**

**Ceccato MiniMax Conveyor Car Wash**

**January 2010**

## Introduction

Ceccato Wash Systems holds the Australian distribution rights for the Ceccato and MacNeil range of car washing equipment. For more information on Ceccato Wash Systems please visit our website at [www.ceccato-carwash.com.au](http://www.ceccato-carwash.com.au).

This document has been produced to provide detailed information about the Ceccato Minimax car wash. For a personalized quotation please contact us on 1300 155 115.

## Ceccato Italia

Ceccato is Italy's largest manufacturer of vehicle wash systems. A privately owned company, Ceccato has more than 53 years of continuous experience in the design and production of car, truck, bus, tram, train washing and wastewater recycling equipment.

The Ceccato vehicle wash equipment manufacturing plant is located in Alte di Montecchio Maggiore (VI), Italy with an undercover production area in excess of 20,000 square metres. Ceccato employs a total of 300 people, has an average production of 1100 wash systems per year and has subsidiaries in Europe, North and South America, the Middle East, North Africa, Australia and Indochina. Ceccato Wash Systems is the Australian distributor of Ceccato S.p.A.

Ceccato is a preferred supplier of vehicle washing systems to major international oil companies including Chevron Corporation, BP, Aral, Shell, Esso and Total. Ceccato machines are used by Ferrari, Maserati and Alfa Romeo in their factories to wash new cars before they are sent to showrooms for sale.

Ceccato S.p.A has been under continuous Ceccato family management since inception and is one of the most financially stable companies in the industry, worldwide.

Ceccato Wash Systems is able to offer full 24/7 technical support, service and maintenance of the Ceccato range of vehicle wash systems throughout Australia.



Ceccato S.p.A's corporate headquarters in Vicenza, Italy.



# MiniMax Conveyor System



## System Overview

The MiniMax represents a breakthrough in car washing. The MiniMax delivers:

1. **A wash quality comparable to high end gantry machines;**
2. **At a cheaper price;**
3. **Washing up to 3 times as many cars per hour;**
4. **In a wash bay of comparable length;**
5. **Exclusive to Ceccato.**

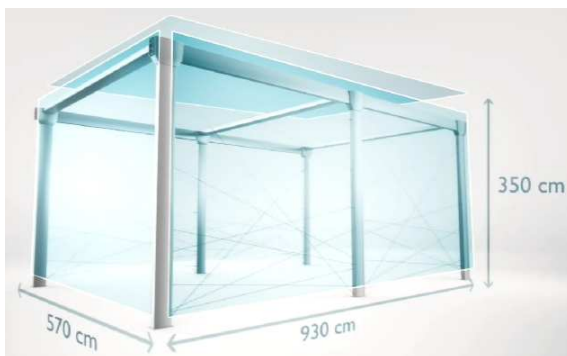
Launched at Autopromotec in Bologna, Italy the MiniMax represents a considerable advancement for the car washing industry pushing the boundaries of productivity, reliability and innovation. It is now possible to wash 30 cars an hour in a wash bay a small as 9 metres.



The MiniMax embodies true Italian style. Its eye catching optional housing is sure to capture the attention of your customers and re-enforce Ceccato's genuine commitment to the environment and our planet.



The new modular structure is easily adaptable and can be configured to specific lengths. It is very versatile, easy to install and is a self supporting structure.

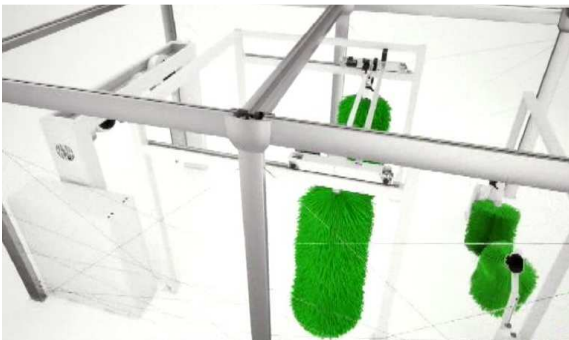


The minimum dimensions of the MiniMax redefines what is possible for the car washing industry. Typically car wash operators are constrained by space and their choice of machine is limited to a low volume gantry machine capable of washing 10 -15 cars per hour. The MiniMax conveyor unit washes up to 30 cars per hour. This means that businesses like service stations can double their car washing revenue from their existing wash bays.



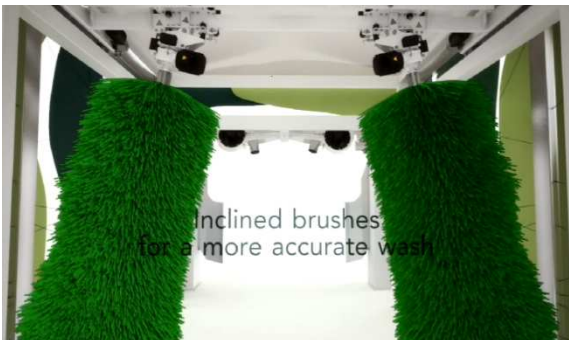


The MiniMax packs a lot into a small space including: a conveyor system, traffic lights on both vertical columns, an emollient pre-wash arch (optional), a high pressure pre-wash rinsing arch (optional), a 5 brush system controlled by photo cell technology (top brush not pictured), a wheel wash system (optional), the patented Air Plus drying system, and exit traffic lights.



The main cleaning phase is carried out by the MiniMax's 5 brush system. The top brush (not pictured) is controlled by a vectorial system and works with outstanding accuracy. The side wash brushes include:

One pair of short side brushes completing the washing action on the vehicle's lower parts



One pair of translating brushes that follow the vehicle with a linear travel of up to 2.1m during the washing phase.

The roof and side brushes of the MiniMax are fitted with photocell technology that guides them around the contours of the car with precision.

Shadow zones are effectively eliminated by Ceccato's patented SWING system.

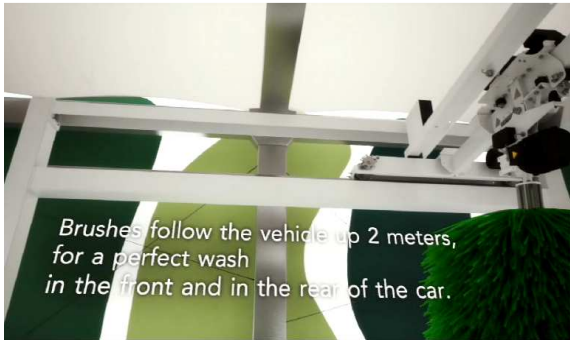


The top (roof) brush is standard in all models of the MiniMax and is pictured to the left. It precisely washes all of the upward facing surfaces of the vehicle.





With a conveyor speed of 3 metres per minute and the orchestration of the washing stages made possible by photocell technology the MiniMax is capable of washing 30 cars per hour – unattended.



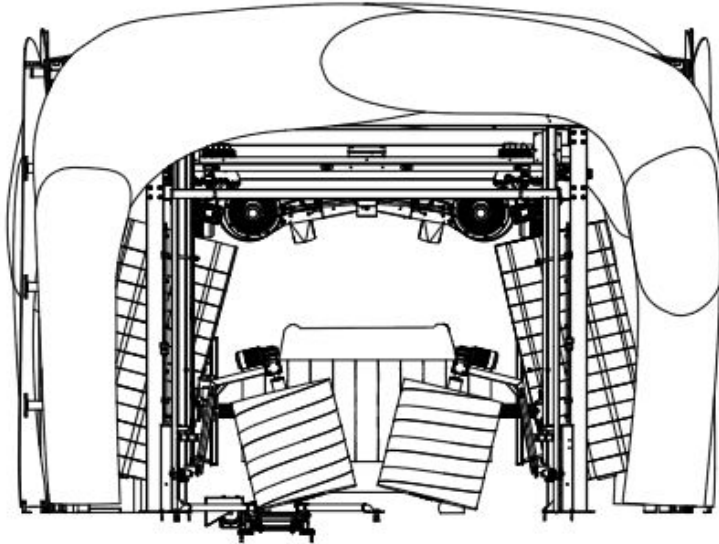
One of the secrets of the effectiveness of MiniMax unit is the longitudinal movement of the side brushes. The mobility of these brushes results in high end gantry wash quality and saves many metres off the length of the conveyor.



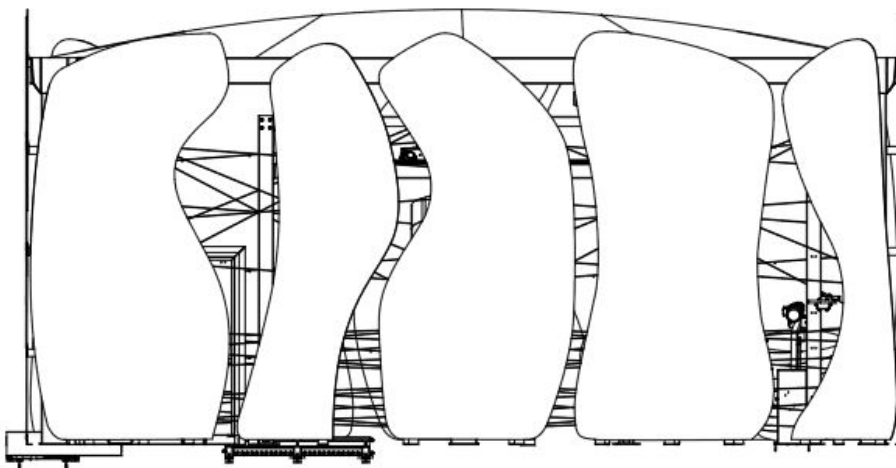
Advancements in drying technology have led to Ceccato developing and patenting the Air Plus drying system. These oscillating blowers displace large volumes of air resulting in a very high drying capacity, very low sound levels, simple operation and an easy maintenance program.



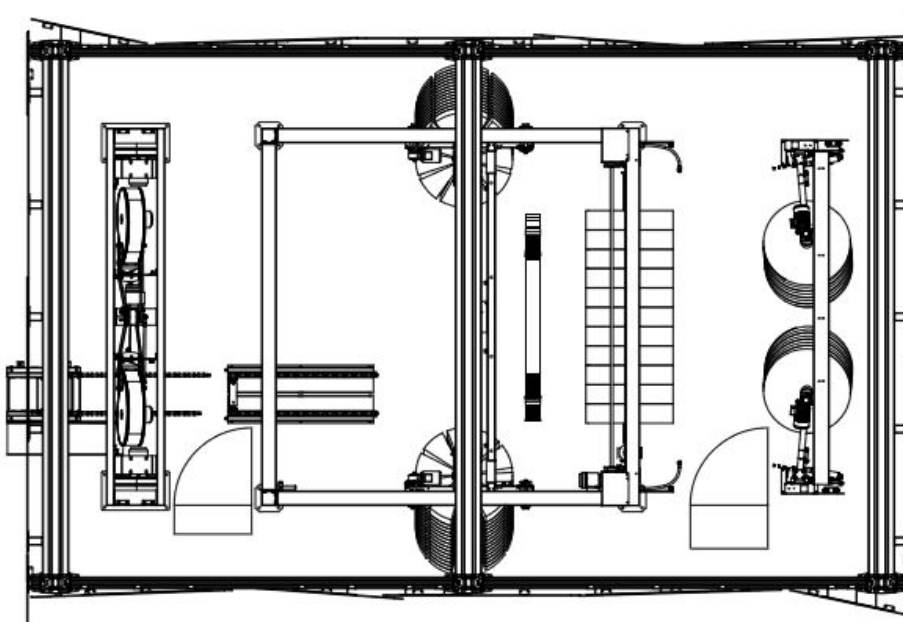
# Technical Information



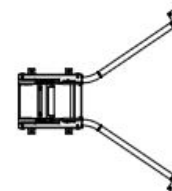
Front View

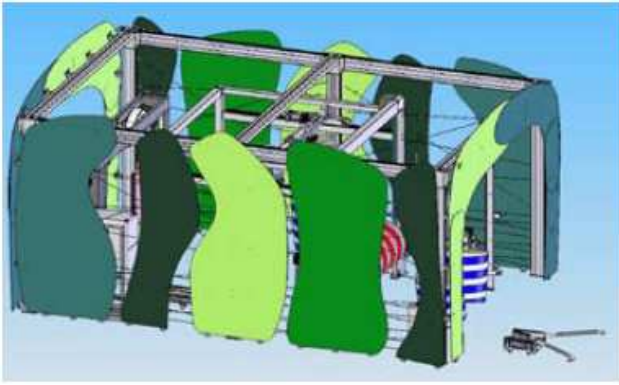


Side View



Top View





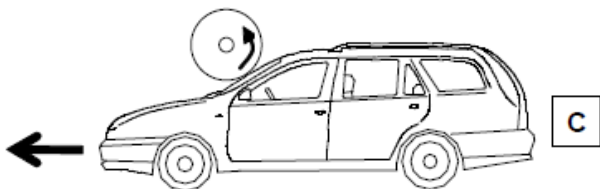
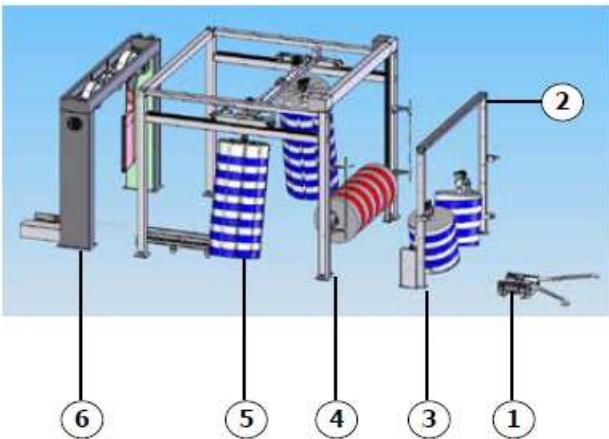
The MiniMax is a washing and drying centre for passenger cars. The washing cycle is carried out using rotating brushes while the vehicles are pulled, one after the other, through the different stations of the machine.

The vehicle to be washed is positioned in the entry section and is automatically pulled by a motorised chain system, through the complete length of the tunnel.

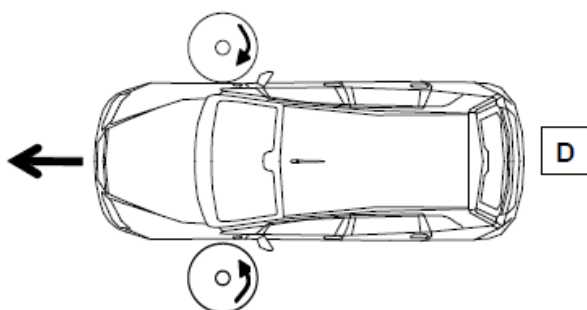
Thanks to the modular design of the machine, it is possible to have many different machine configurations, including standard equipment, optional washing groups and different accessories.

The basic configuration of the system includes the five main sections listed below:

1. Conveyor
2. Entry section with water and shampoo distribution system
3. Wash station with inclined short brushes
4. Top brush wash station
5. Translating side brushes
6. Drying station

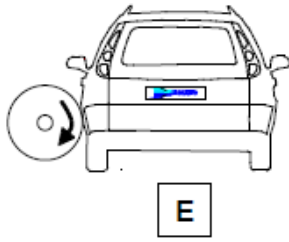


All top brushes rotate counter clockwise as seen in figure C.



The side brushes and the inclined half brushes all rotate in the same direction as the vehicle's driving movement as show in figure D.





The longitudinal brushes rotate in an anti-clockwise direction as show in figure E.



A photoelectric cell system is installed at the beginning of the tunnel, in order to detect the presence of the vehicle. When the vehicle is correctly positioned, the automatic washing cycle begins.



Starting of the cycle means that the conveyor chain begins to pull the vehicle into the tunnel and that the control system begins to monitor the position of the vehicle along the whole drive-through movement, from the beginning to the end of the tunnel. The continuous control for the vehicle's position allows the start in sequence of each washing group. A traffic light system is installed at the entry side of the tunnel to control the access of the vehicles.

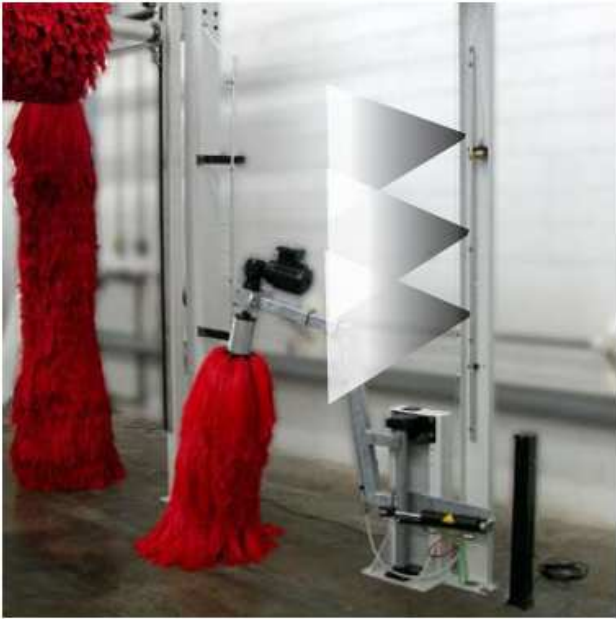


The conveyor system includes a motor driven chain, equipped with several rollers mounted at regular intervals along the chain. The conveyor chain is driven by a fixed speed gear box. Once the vehicle is correctly positioned, with the gears in neutral, and hand brake off, a chain roller comes out behind the left front wheel, pulling it ahead and moving the vehicle forward.



The conveyor system structure is embedded in a trench dug along the length of the wash bay. At the beginning of the conveyor a wheel guide unit facilitates the correct aligning of the car's front tyres into the car wash.

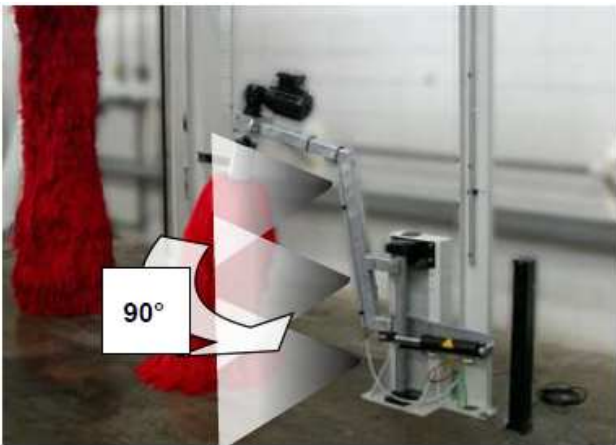




### Pre-wash section – Shampoo Arch

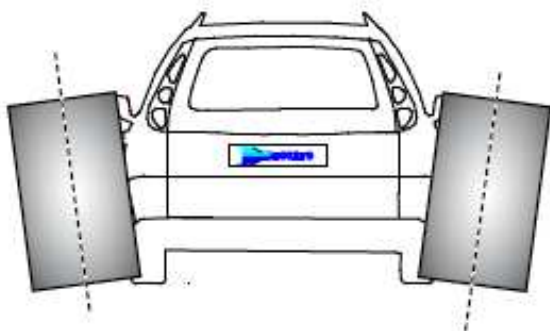
Before the activation of the brush groups, the surface of the vehicle will be pre-washed with shampoo delivered through the nozzles of the side arches.

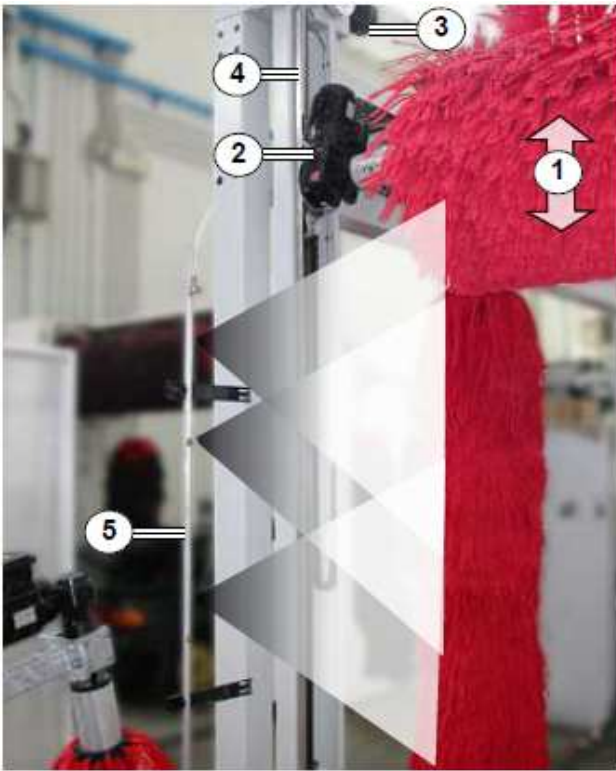
The nozzles of the shampoo arch are used for foam application as well.



### Inclined Short Side Brushes

The first station that will be activated by the vehicle's forward movement, is the group with the two inclined short side brushes: each one of the two brushes is fitted on a structure that can rotate by 90° in order to reach the centre of the vehicle's front. When in stand-by position, the brushes are closed towards the centre of the tunnel, they are opened gradually by the driving through of the vehicle and closed again at the vehicle's rear side. During the rotation, the brushes are kept wet by a series of spraying nozzles which are refitted to the machine frame, as shown in the picture. In this washing phase the unit normally uses recycled water.





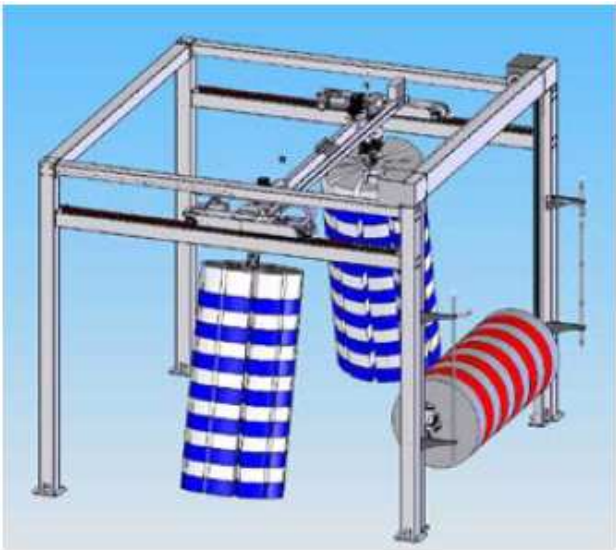
### Top Brush

The top brush, with up and down movement, is the second station in the tunnel. The system includes the following parts:

1. Brush
2. Brush rotation motor
3. Motor for raising the top brush
4. Flat raising belt

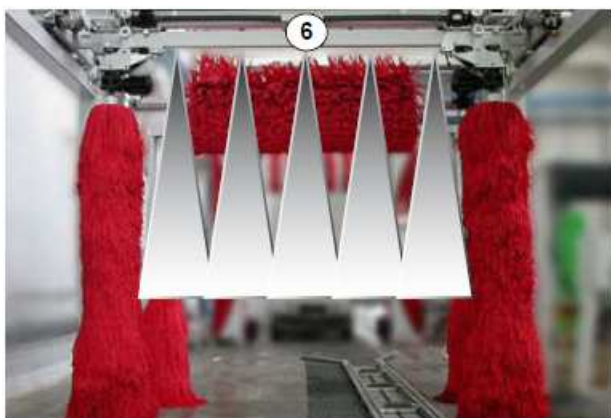
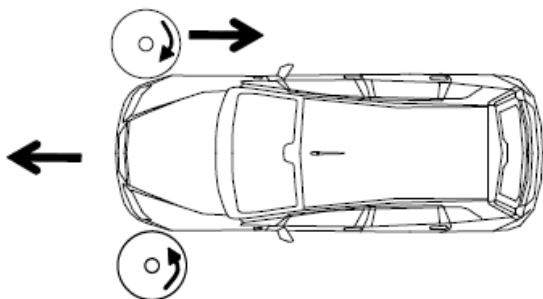
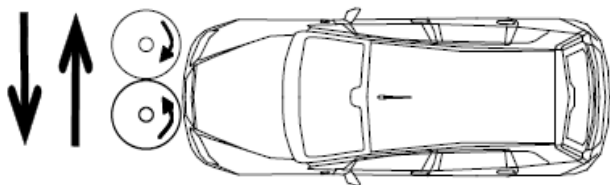
During their rotation, the brushes are soaked with water that is delivered through the nozzles of the side arches.

The power absorption of the motor is controlled during the rotation of the brush, in order to check for anomalies that could be caused by collisions or entanglements of the brushes with protruding parts of the vehicles.



This diagram show the movement to the top brush.





### Translating side brushes

A key feature of the MiniMax are its side brushes that translate (move up and down the car wash bay). The third washing station includes these translating brushes: two independent side brushes, mounted on a motorized frame with a linear movement to follow the vehicle. Each one of the brushes is fitted to a motor driven trolley and can also move crosswise for an overlapping wash. The longitudinal travel of the station support frame is 2220mm. The composition of the third washing station is:

1. Side brushes
2. Linear translating frame
3. Motor for the rotation of the brushes
4. Motor for the movement of brushes along the cross beam
5. Motor for the longitudinal movement of the support frame

### Operation

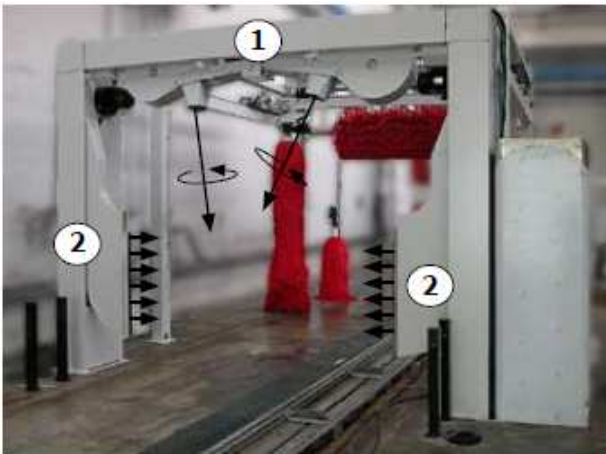
At the beginning of the cycle, the brushes are positioned on the centre-line of the tunnel. The washing of the vehicle's front can begin with several alternated movements from the right to the left ("overlapping"). During this phase the wheel mounted main support frame moves forward following the vehicle and, close to the end travel limit switchers, the brushes open until they reach the corners of the vehicle's front. Now the brushes are tilted, as shown in figure (A), thanks to the action of pneumatic cylinders. The inclined position of the brushes improves the action of the brushes on the upper part of the vehicle, considering that the lower part has been already washed by the first group of short side brushes. During this phase the brush support frame moves longitudinally backward in order to reach its starting position and be ready to follow and wash the vehicle's rear side. The back side of the vehicle is washed the same way as the front side. At the end of the cycle the brushes will be again closed towards the centre of the tunnel and the brushes support frame will be in stand by position, waiting for the next vehicle. During the rotation, the brushes are soaked with water delivered through the nozzles (6) that are fitted to the trolley cross beam.





### Wax arch

In this station the vehicle is sprayed with a mixture of fresh water and wax chemical in order to clean and rinse the surface of the vehicle, taking off the recycled water of the washing cycle. Due to the wax, the water drops are not sticking to the surface of the vehicle and are easily pushed away under the action of the air flow coming out from the next drying station. This group is installed before the drying section.



### Drying System

The system includes one vertical and one horizontal working section.

1. The horizontal group is equipped with two blowing nozzles. These are secured to special motor driven supports that keep the drying nozzles rotating and oscillating around their axis at variable speed.
  - a. Each drying nozzle is equipped with a 3kW blowing fan.
  - b. Diameter of the drying nozzle is 180mm
2. The vertical working group includes two side drying nozzles which are mounted on the opposite gantry columns. Each nozzle is equipped with one 4kW (5.5HP) air blower, fitted on top of the relevant gantry column.





### Traffic Lights

Traffic lights are used as the interface between the machine and the user. One two-lamps system, with red and green lights, is installed at the entry side of the tunnel, the other one at the exit side.

Traffic light operation:

#### Entry to car wash

Green light = the user can drive his car into the conveyor

Red light = stop the vehicle and/or do not drive in

#### Exit from car wash

Green light = the user can drive his car out of the conveyor

Red light = wash cycle still running, do not drive out



### Digital Text Display

The device is fitted to the top front at the entry to the tunnel, when you look at it from the entry side of the vehicles it is a very effective way to supply information to the car wash user. It includes a programmable LED panel that presents text in a dynamic way including horizontal/vertical movements and graphics. The information can include: programmable advertising messages, information about the wash phase, alarm messages, machine state messages, time, date, etc.

### Operator's Panel

Direct communication with the logic system (PLC) installed in the electrical cabinet of the washing unit is possible through the operator's panel. The device is assembled on an independent structure that shall be fixed to the floor, close to the entry side of the tunnel. It includes a touch operated LCD display (touch screen) to control following data and functions:

- read the total daily wash software counters;
- carry out the wash cycle memorizing procedure;
- enter and modify wash cycles;



- frost protection activation;
- switch off one or more working stations;
- manual movements;
- dosing pumps priming

The control system of the machine includes also a number of pushbuttons and selector switches controlling different functions which will be expanded on later in this document.

A wide range of brushes with different performances and prices is available in the market. The washing unit has been designed to be used with any type of brush material, requiring only some small changes of the control parameters (see UniOP manual).

Apart from the common features of colour and shape, the brushes differ mainly for their washing effectiveness, the possible marks on the vehicles surface and the lifetime.



- A. Polyester single thread brushes
- B. Polyester multiple thread brushes (Filok<sup>®</sup>)
- C. Polyurethane foam brushes (ex. Carlight<sup>®</sup>)
- D. Cloth brushes



#### Longitudinal wheelwash

This station includes to longitudinal polyethylene brushes, mounted on the floor and supported by a parallelogram frame. The brushes are pushed against the lower sides of the passing vehicle by means of pneumatic cylinders. During the rotation the brushes are soaked with recycled water distributed from one set of nozzles as shown in the figure.

- Length of the brushes 2500 mm
- External diameter 410 mm



#### Roller Type Correlator

The roller correlator will facilitate the introduction of the vehicles' wheels into the conveyor. This device is must when the turning space in front of the tunnel entry side is limited.

#### Entry conveyor

It is an independent conveyor system, with a wider wheel guide, to be installed at the entry of the tunnel, at the right hand side.



The vehicle is driven into the entry conveyor, the driver leaves the car and goes to the payment station to select the wash program. After that, the entry conveyor will automatically start and push the vehicle into the conveyor of the washing tunnel.

The entry conveyor can be equipped with following accessories:

1. Banknote reader
2. Push button panel
3. Entry traffic lights
4. Entry stop barrier

#### Underchassis wash

The underchassis washing unit is embedded at floor level and includes two rows of nozzles, fed from an high capacity water pump.

#### Maximum Washing Profile

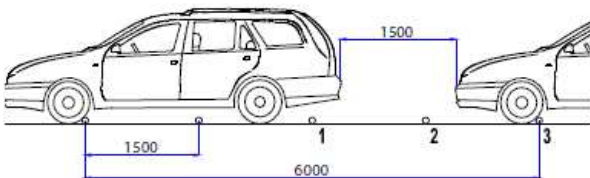
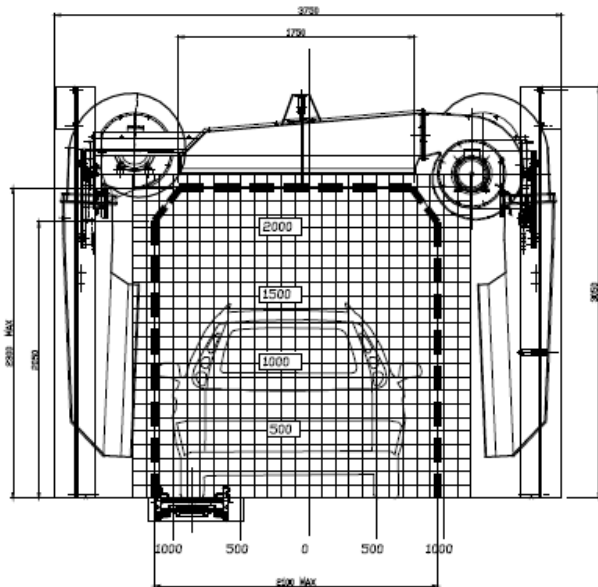
The maximum size of the vehicles shall not exceed the dimensions shown on the drawings.

#### Maximum height 2050mm

Up to a vehicle's height of 2050mm, the maximum washing width is 2100mm.

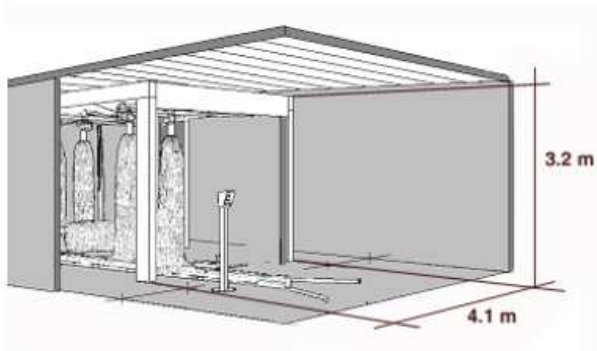
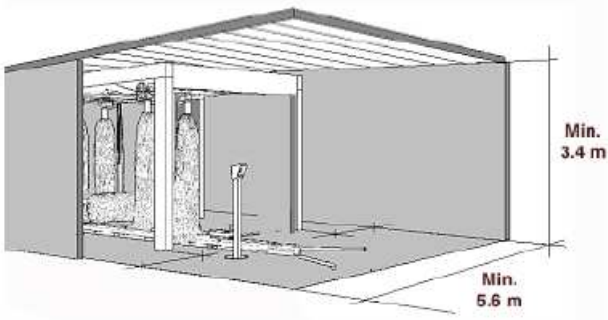
#### Maximum height 2300mm

From 2050mm up to the maximum height of 2300mm, the maximum allowed washing width is 1750mm.



To guarantee reliable operation of the system the minimum space between two following vehicles shall not be less than 1.5 metres. Otherwise some of the safety devices could be activated during the cycle, with the consequent stop of the conveyor and with washing phases that cannot be completed because of insufficient space to allow a complete brush cycle.





### Minimum Wash Bay Dimensions

The minimum dimensions for indoor installation are the following:

Width – 5.6m

Height – 3.4m

The overall dimensions of the tunnel are the following:

Width – 4.1m

Height – 3.2m

### Pushbutton panel

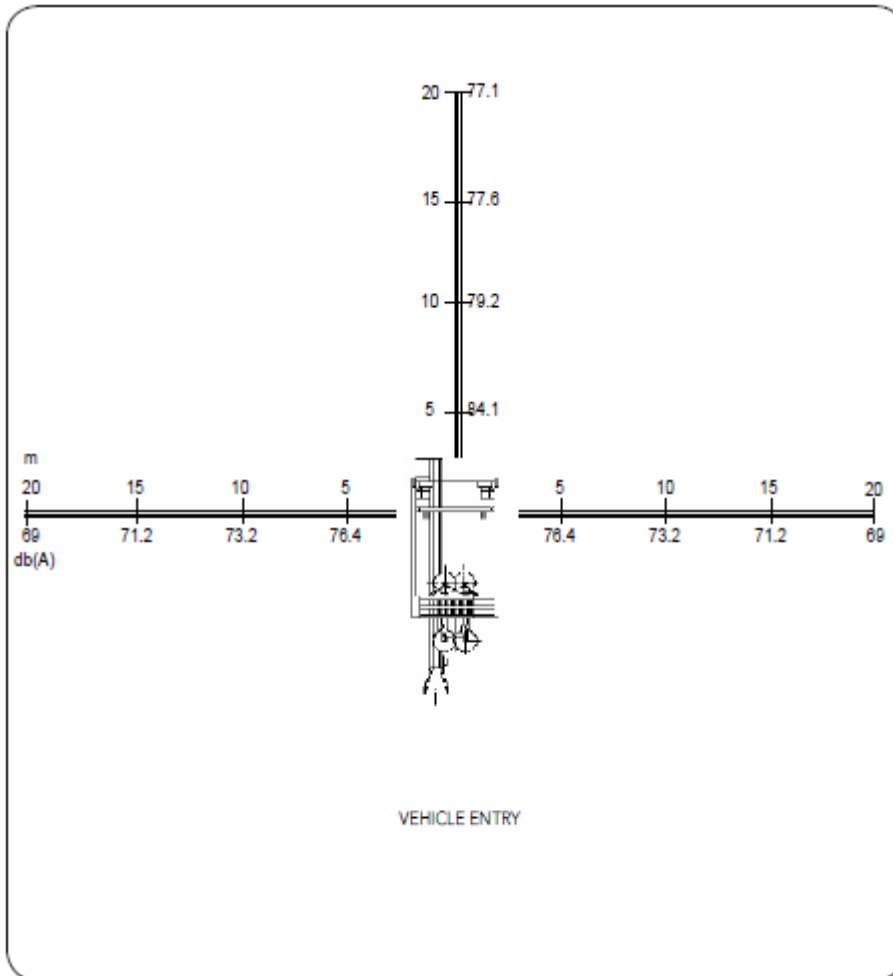
1. Emergency stop button, with mechanical lock
2. Illuminated reset pushbutton
3. Free
4. Pushbutton, side brushes opening
5. Pushbutton, top brush lifting
6. Pushbutton, exit of vehicles and lifting of top dryer
7. Card reader installation space
8. Touch-screen operator's panel
9. Key selector switch card reader/pushbutton panel
10. Key selector switch, auxiliary services



## Noise Levels

A standard capacity tunnel incorporating the following factors emits noise as per the diagram:

- Drying unit with on top dryer (2 fans each 4kW) and two side dryers (2 fans each 11kW)
- Tunnel in continuous operation
- Conveyor speed 50 vehicles/hour
- Fibreglass tunnel enclosures
- Acoustic pressure measurement in a free field, on reflecting plan, values Leq-dB(A)
- Measurement points at 5,10,15,20 metres in line with the source



So from this diagram, for example, we see that at 20m to the right of the operating car wash the noise level is 69db(A).



## Technical Data

Range: **MiniMax**

Versions: **Dynamic, Smart, Edition**

		Dynamic	Smart	Edition
Conveyor chain length	m	10.41	14.36	16.61
Unit width	m	5.90	5.90	5.90
Unit height (without roof and gutters)	m	4.01	4.01	4.01
Unit height (with roof and gutters)	m	5.01	5.01	5.01
Washing height	m	2.30	2.30	2.30
Washing width	m	2.20	2.20	2.20
Wheel runway width	m	0.35	0.35	0.35
Conveyor speed	m/min	3.00	3.00	3.00
Power supply	V	400±10%	400±10%	400±10%
Frequency	Hz	50/60	50/60	50/60
Installed power	Variable, depending on machine configuration (power of basic configuration: 25)			
Cable exit	Left (on entrance side)			
Frame colour	White R7035			
Brush colour	Light green/dark green			
½ Brush colour	Light green			
TRESPA panels colour	Medium green 28.6.2, Spring green 37.2.3, Dark green 37.7.3			

## Configuration Comparison

	Qty	Dynamic	Smart	Edition
Starting photocells	3	✓	✓	✓
Pushbutton panel/ Uniop	1	✓	✓	✓
Motor reductor orthogonal axis 50 Hz	1	✓	✓	✓
Conveyor entry module	1	✓	✓	✓
Conveyor exit module	1	✓	✓	✓
Conveyor intermediate module	4	✓	✓	✓
Half brushes 230-400V with polyethylene bristles	1	✓	✓	✓
Washing group (two vertical + one horizontal brushes) with polyethylene bristles	1	✓	✓	✓
Hydro-pneumatic group	1	✓	✓	✓
Pre-wet arch	1	✓	✓	✓
Foam/shampoo arch	1	✓	✓	✓
Wax arch	1	✓	✓	✓
Drying group	1	✓	✓	✓
Control panel	1	✓	✓	✓
Longitudinal wheelwasher	1	✗	✓	✓
Emollient arch	1	✗	✗	✓
Fixed high pressure pre-wash arch	1	✗	✗	✓

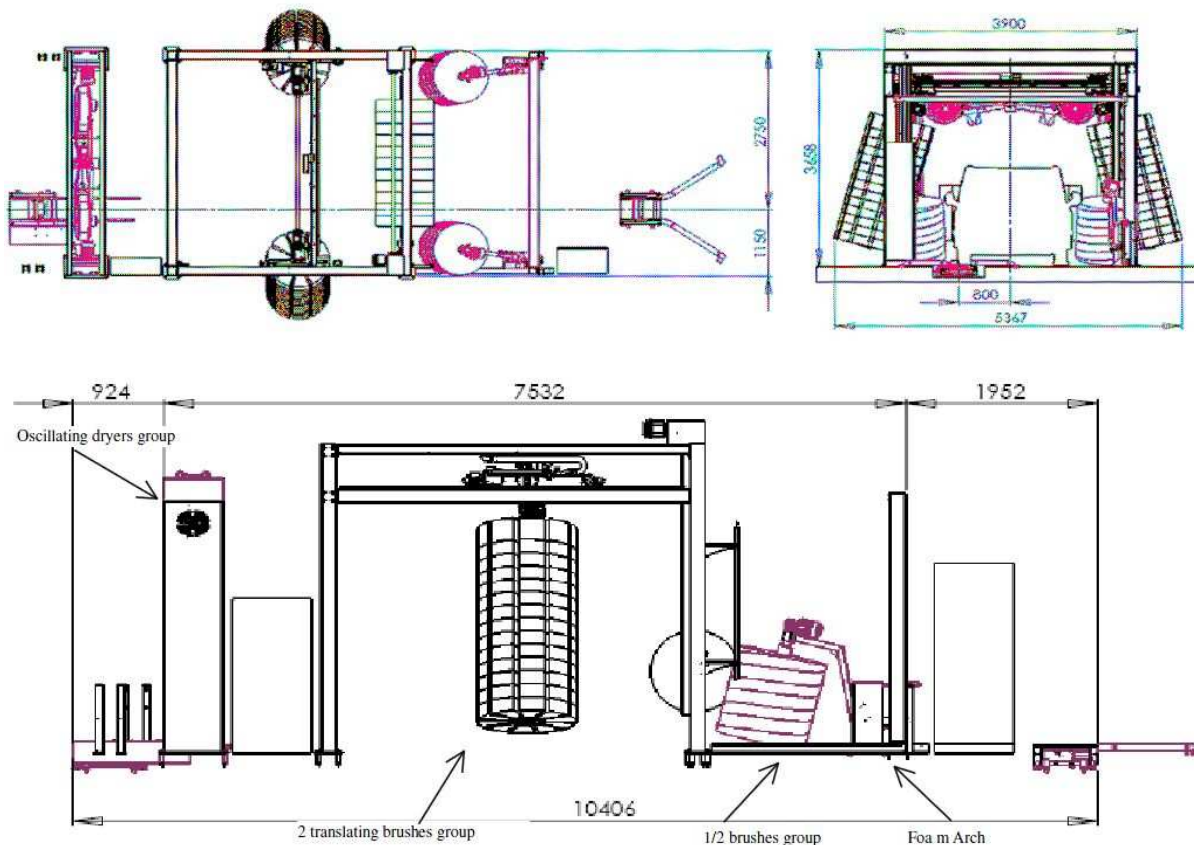


## Features : Dynamic, Smart, Edition

- Hot dip galvanized washing gantry with visible bolts and nuts in stainless steel
- Two pneumatic dosing pumps (shampoo and foam+wax)
- Ready for use with a recycled water supply
- Protection in case of lack of fresh water and/or recycled water included
- Manual winter discharge
- Vertical brushes with variable inclination at electronic movement
- Longitudinal run up to 2 metres with front and rear programmable
- Overlapping and pivoting side half brushes
- Drying system with 4 low noise blowers: 2x3kW (2 poles) lateral + 2x5kW (4 poles) on horizontal Air Plus drying type
- Longitudinal wheelwasher (Smart and Edition only)
- Emollient arch (Edition only)
- Fixed high pressure pre-wash arch (Edition only)
- Activation system with pushbutton and integrated operation panel

## Technical Drawings

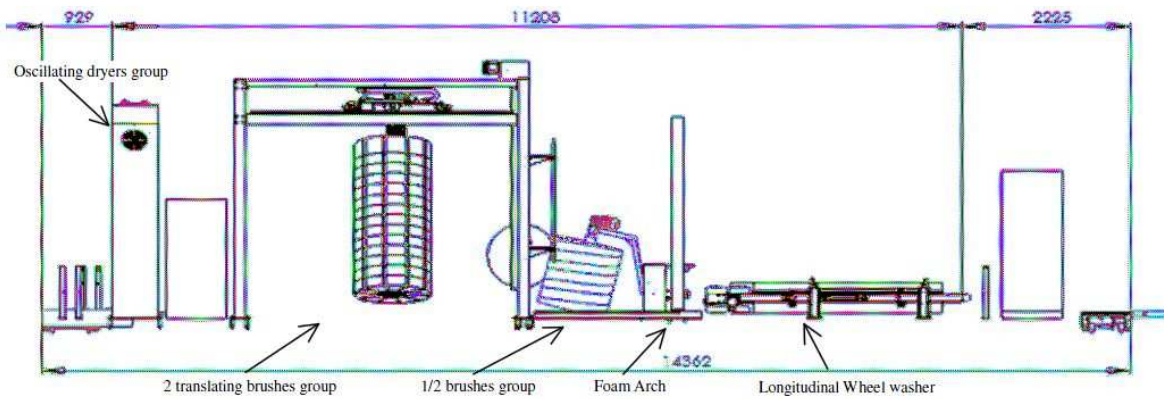
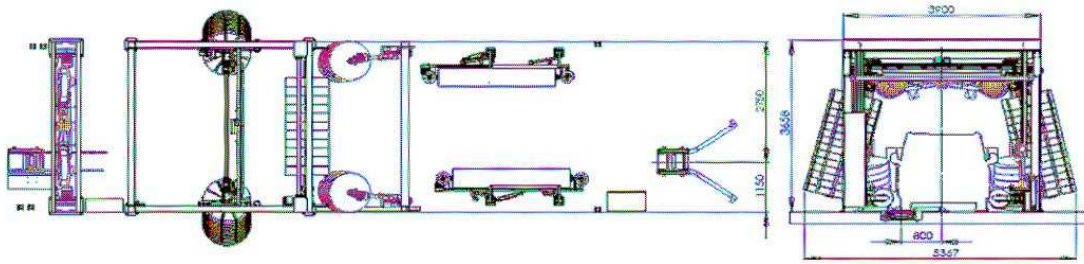
Range: **MiniMax**  
Version: **Dynamic**



**Note:** The MiniMax Dynamic is the most compact version requiring a bay length of as little as 9.3m.



Range: **MiniMax**  
Version: **Smart**

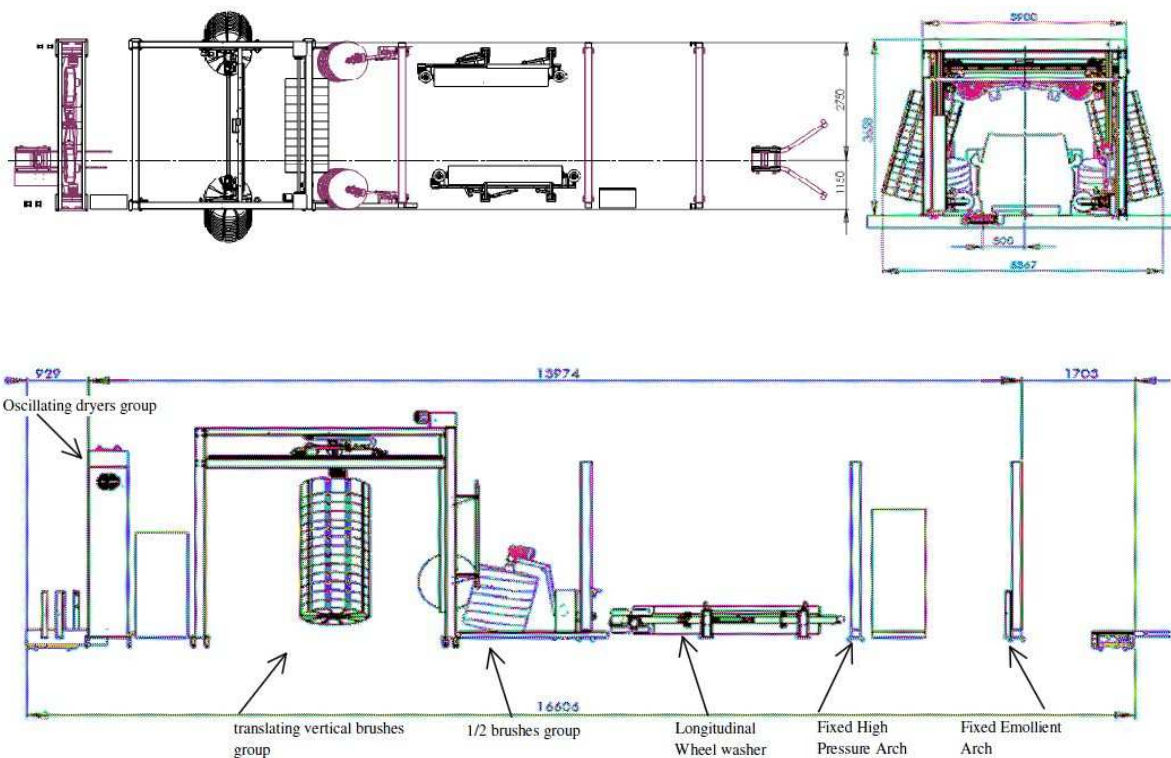


**Note:**

The MiniMax Smart incorporates the addition of a longitudinal wheel washer that increases the required wash bay length to 13.5m.



Range: **MiniMax**  
Version: **Edition**



**Note:**

The MiniMax Edition is the top of the range version. It incorporates a longitudinal wheel washer and a sophisticated pre-wash system including a fixed emollient arch and a fixed high pressure arch. This system guarantees the highest wash quality irrespective of the condition of the vehicle. The emollient arch emits a chemical mist that thoroughly coats the vehicle. The chemical dissolves into the contaminants on the surface of the vehicle, detaching them into a chemical film on the surface of the vehicle.

The high pressure pre-wash arch blasts a jet of water over the surface of the vehicle. The contaminants that have been loosened by the emollient chemical are forced from the surface of the vehicle by the jet of water.

This pre-wash process results in the most effective washing method and maximizes wash quality. A similar cycle on a gantry style machine takes up to 6 minutes per car. The MiniMax Edition is 3 times faster and the quality of wash is identical.



## Ceccato Wastewater Recycling System

Different sites may be required to install a wastewater recycling system in conjunction with the MiniMax Carwash. For other sites it will be optional.

The Ceccato Wastewater recycling system is designed to recycle 90% of the water that can be collected from the vehicle wash process. This normally equates to around 80-85% of the total water used, resulting in savings in water and effluent costs of up to 85%. The system will deliver clear recycled water to the pre-wash foam and brush wash stations at the maximum rate of 5000 litres per hour.

The system will receive water from an aerated settlement tank connected to the wash bay drain (customer to supply) and deliver it to the media filtration system where dirt particles will be removed.

pH levels are automatically monitored during the transfer of wastewater from the settlement tank. The partially treated water will drain to a secondary holding tank (not included in our price) which will also be aerated by the Ceccato system to effectively odour control and pH adjust as required.

The secondary holding tank/compartiment will be fitted with an automatic level control for fresh water top-up on demand. The Ceccato Wastewater Recycling System is equipped with a fully programmable process control.



## Vacuums

Ceccato Wash Systems distributes products from a number of vacuum manufacturers. Our most reliable system is the Daerg vacuum system in. The Daerg system – being European manufactured is not the cheapest option, but we have had Daerg systems operating for over 8 years with no issues. We have both single and double vacuum units depending on your layout configuration.

The vacuums are built with high quality materials and suitable for outdoor installation.

The vacuums are controlled by PLC and are equipped with an illuminated display to check the number of cycles, modify operation time and check possible machine faults.

Vacuums are equipped with coin/token operated lighting system, filter shaking device and a new dust collection system with disposable bag that is very practical and easy to replace. The vacuum has the following specifications:

- Made of stainless steel and ABS.
- Prepared for floor anchoring.
- Lighting column can be installed on the left or right side.
- Controls 24 Volt.
- Adjustable timer.
- Self-Service: coin or token operated.
- Power pilot lamp.
- Emergency STOP button.
- CE certification.



## Preventative Maintenance

The key to efficient equipment operation is effective and timely equipment maintenance. The Operators Manual contains recommended preventative maintenance procedures; however, we recommend consideration to acceptance of the Ceccato Wash Systems Pty Ltd Preventative Maintenance Program to provide regular routine preventative maintenance inspections to keep the equipment in peak operating condition.

Our nominated service technician will be a member of the installation team at your site to ensure complete familiarity with the installation and all prevailing site conditions. The service technician will be based in Sydney and will be available on a call-out basis.

## Preventative Maintenance Program

After execution of our Servicing & Maintenance Agreement, Ceccato Wash Systems will visit your site once monthly to inspect the washing system and carry out preventative maintenance service. Preventative maintenance service shall be conducted during business hours between Monday and Friday.

Once monthly service will consist of:

1. Inspect all lubrication points and lubricate as necessary
2. Check all spray nozzles and clear any blockages
3. Check system activation
4. Inspect cable train, cables, hoses and connections
5. Inspect wheel guides for damage, remove any floor debris
6. Check wheel guide floor fasteners
7. Check all sensors and switches
8. Check brushes for wear
9. Check dosing adjustments, adjust as necessary
10. Check recycled water for odour and clarity
11. Inspect and clean oil / water separation system
12. Check position and condition of signs, traffic lights and bay lighting
13. Run a vehicle through a complete standard wash program & inspect the result for effectiveness – adjust as necessary
14. Inspect and operate any supporting equipment under service
15. Check chemical levels and report to user for replacement
16. Prepare service report and submit to user

Ceccato Wash Systems Pty Ltd will not be responsible for the cost of repair or replacement as a result of user modifications, damage caused by vandalism or other causes outside Ceccato Wash Systems Pty Ltd control.



## Non-Scheduled Maintenance (National 1300 799 463)

Ceccato Wash Systems Pty Ltd will provide non-scheduled maintenance on the designated system at the designated site upon receipt of a request from the customer. Ceccato Wash Systems Pty Ltd will contact the site within 60 minutes of customer notification and attend the site within one working day of receipt of the customer request.

Upon attendance at the designated site, Ceccato Wash Systems Pty Ltd will determine whether the maintenance is warranty related or customer responsibility before incurring any expense other than for site attendance. No additional expense will be incurred unless and until the customer provides necessary authorization.

If service is deemed to be warranty related, Ceccato Wash Systems Pty Ltd will secure approval to proceed with repairs / replacement under warranty conditions on behalf of the customer.

Ceccato Wash Systems Pty Ltd will maintain stock of spare parts at our service base that it deems appropriate to suit the system.

Ceccato Wash Systems Pty Ltd will maintain stock of spare parts at our service base that it deems appropriate to suit the system.

Our current maintenance charges (subject to change) are:

Hourly Service Rates: Non Scheduled Maintenance Charges (non warranty)

- Hourly Rate 7.30am to 5pm Monday to Friday = \$95.00 per hour
- Hourly Rate Outside Normal Hours = \$135.00 per hour
- Hourly Rate Public Holiday / Sunday = \$135.00 per hour
- Call Out Travel Allowance = 1 Hour
- Minimum Site Charge = 1 Hour



## Routine Inspections

Ceccato Wash Systems Pty Ltd recommends that the following maintenance checks are carried out by the operator:

Time interval	Intervention
Every day	General cleaning of the machine
	Photocells cleaning
	Cleaning and lubricating of the conveyor chain
	Checking the condition of the cable and hoses carriers
Every week	Lubrication of the working groups transmission chains
	Lubrication of the bearings
	Checking the motor gears for leakage
	Checking the air intake filter-regulator
Every month	Clean the water intake filter and the wash chemicals filters
	Checking the rubber dampers
Every six months	Check the brush wear
	Check the condition of the side brushes rubber dampers
	Check the condition of the conveyor chain and of the chain wheels
	Check the function and the condition of the sliding plates protecting the conveyor rollers

It is also recommended that the wash bay be kept clean and free of waste materials and debris and that grated drain covers are not obstructed.

In the event that any malfunction is observed, Ceccato Wash Systems is available 24/7 on 1300 799 463 for service and support from our service base.



## Equipment Pricing

Our price to supply, deliver and install the following equipment as described is:

<b>MiniMax Dynamic</b>	<b>\$149,684 plus GST</b>
<b>MiniMax Smart</b>	<b>\$165,825 plus GST</b>
<b>MiniMax Edition</b>	<b>\$175,812 plus GST</b>
Optional Extras	
Foam Touch Light brushes (on main washing group)	\$7,263 plus GST
Front and back roller shutters	\$7,567 plus GST
Glass housing to Australian standard	\$24,700 plus GST
Complete housing (building, anti-intrusion cables, claddings and roof)	
- Dynamic	\$60,728 plus GST
- Smart	\$75,456 plus GST
- Edition	\$92,605 plus GST

### Additional Options to Consider:

Ceccato Wastewater Recycling System	\$37,669 plus GST
Vacuum System (Single)	\$4,800 plus GST each
Vacuum System (Double)	\$8,200 plus GST each

### Note:

This pricing is fully inclusive of all international freight, supply, delivery and installation costs.

Our trading terms for equipment and installation are 50% with order, 30% upon arrival to Australian Customs and the balance upon final commissioning unless varied by separate written agreement. L/C arrangements are also acceptable.

The payment price utilizes a Euro/AUD conversion rate of **0.61**. Any strengthening of the Euro above this conversion rate will result in an increased charge to bring about parity.



## Exclusions

Offers contained in this proposal do not include,

- Power Supply to the Site
- Water Supply to the Site
- Sewer Line Extension or Connection
- State and Local Authority Approvals
- Landlord Approval
- Excavation or Concrete Cutting other than footings and essential wash bay drainage
- Delays Beyond our Control (including adverse weather)
- Fencing
- Road or Pavement Works
- Signs
- State or Local Government Fees and Charges
- Landscaping
- Additional Work Due to any Variations to the Site or Equipment Plan
- Additional transport, storage or demurrage charges should the customer not immediately be able to take delivery of the equipment once it clears Australian Customs.

## **Warranty**

All equipment supplied by Ceccato Wash Systems has been tested and inspected at the plant and is warranted to be free from defects in material and workmanship. All equipment, is warranted for a period of one (1) year. Any part that proves, upon our examination, to be defective, will be replaced without charge. In the event of repair or replacement, this one (1) year warranty is non-cumulative.

This warranty shall not apply to equipment and parts subjected to abusive or improper use, lack of maintenance or accident and shall not cover normal wear and tear or to certain wearable components such as seals.

This warranty also does not apply to equipment and components used with chemicals not approved by Ceccato Wash Systems . Except as expressly stated herein, Ceccato Wash Systems is never liable for damages of any kind in connection with the purchase, maintenance or use of this equipment, including loss of profit and any and all consequential damages.

THE WARRANTY EXPRESSED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED OR FITNESS FOR A PARTICULAR PURPOSE.

Ceccato Wash Systems does not authorise anyone to enter into any agreement or assume any obligations or liabilities in connection with this Warranty. This Warranty applies to the original Ceccato Wash Systems equipment purchaser only and is not transferable.



**Trading Terms**

Our trading terms for equipment and installation are 50% with order, 30% upon arrival to Australian Customs and the balance upon final commissioning unless varied by separate written agreement. L/C arrangements are acceptable.

If additional transport, storage or demurrage charges are incurred due to the customer not being able to take delivery of the equipment, they are payable upon receipt of invoice from our freight forwarder.

The payment price utilizes a Euro/AUD conversion rate of **0.61**. Any strengthening of the Euro above this conversion rate will result in an increased charge to bring about parity.

Sincerely

Paul White  
Sales Director

On behalf of.....  
I accept this proposal and the charges, terms and conditions herein.

.....  
Director

Ceccato Wash Systems has taken reasonable efforts to ensure that the foregoing information, pricing, specifications, capacities and dimensions are accurate and applicable at time of publication. Ceccato Wash Systems will not be liable for errors or omissions that may occur. Technical specifications and performance standards may change without notice.

18/35-39 Higginbotham Road Gladesville NSW 2111  
Phone 1300 155 115  
[www.ceccatocarwash.com.au](http://www.ceccatocarwash.com.au)



