



**ROLL-OVERS
FOR
TRUCKS AND
BUSES**



Wash **technology** for transport professionals

To keep up the company image and quality of service, it is important for your fleet of vehicles to be impeccable at all times. This principle has led Istobal to create a whole range of solutions to put an end to the eternal drawbacks of manual washing for trucks and buses.

The main advantage? Time and cost saving. The fact is that no wash system, manual or automatic can match the speed of Istobal roll-overs. But to achieve maximum efficiency in the wash, you also need to offer a perfect finish. This is guaranteed by the experience, technology and know-how of Istobal.



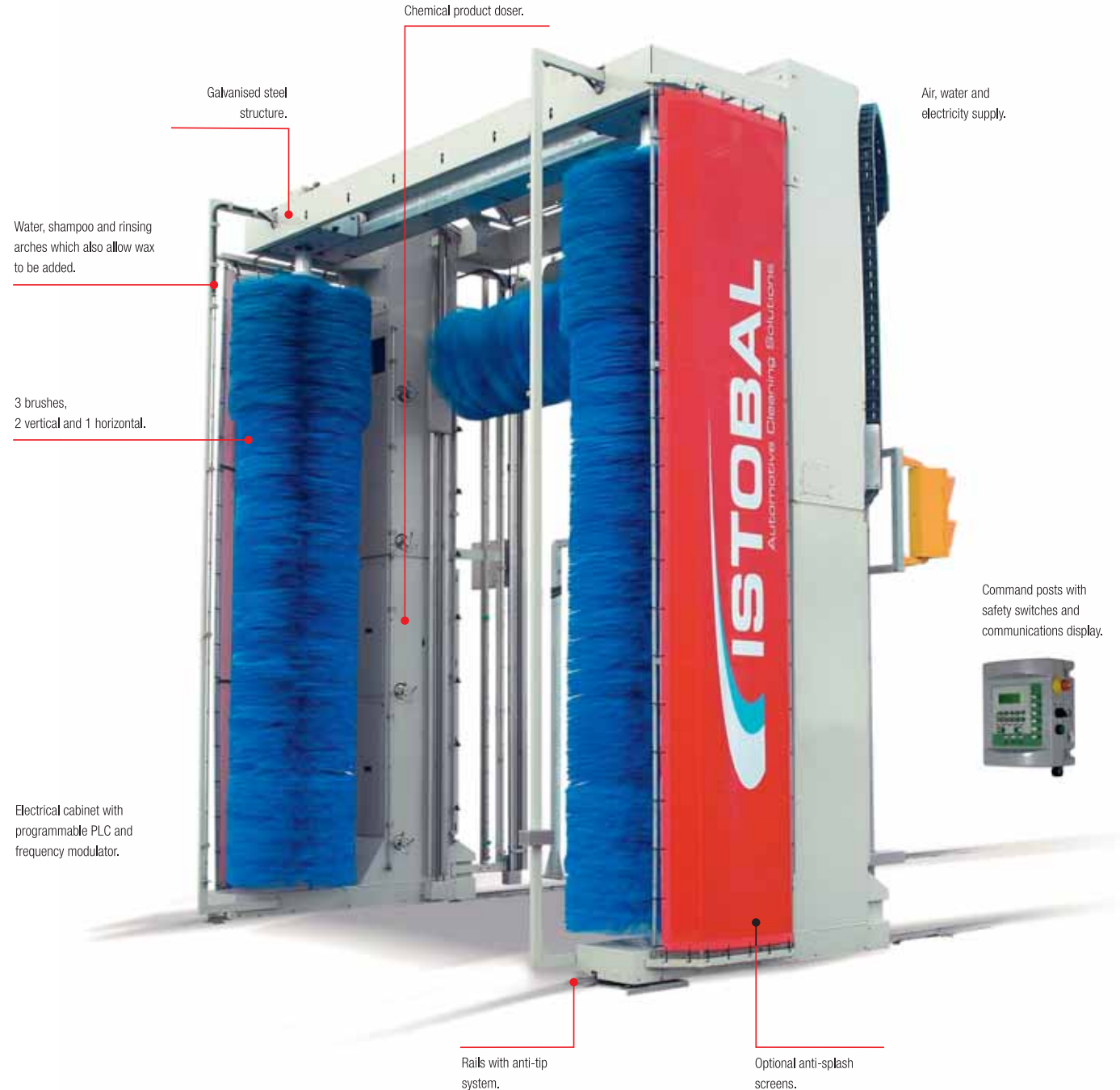
ISTOBAL

Istobal wash solutions for transport professionals meet the demands of the sector perfectly, because they have been developed specifically for it. We have created solutions for washing vehicles of different heights, special roll-overs for small fleets of trucks, others for entire bus depots And they all come with state-of-the-art technology to guarantee the best results while leaving the vehicle paintwork and accessories in perfect condition. From vertical brushes with a dual wipe system, to special programmes for washing vehicles with wide-angle wing mirrors.



RANGE PJ

A range designed for tractor cabins, trailers, temperature controlled trucks with canvass covers, buses, special vehicles and vans. Throughput is 6 to 10 vehicles/hour and the height limit 5,0 m. The vertical brushes overlap on the front and back of the vehicle, guaranteeing a quality wash. In addition, there are various programmes specially developed for specific areas, such as the wide-angle rear view mirrors typical on this type of vehicle. Despite the size, the range is designed to be cost-effective, thanks to easily-adjustable, precise-dose chemical product dispensers (detergents and wax). Includes special, 24 metre long rails with an anti-tip system, for vehicles up to 19m long.



Electrical cabinet with programmable PLC and frequency modulator.

Rails with anti-tip system.

Optional anti-splash screens.

RANGE PL

Roof wash brush, optional.

Optional medium-pressure pre-rinse arch 20 bar approx. (aluminium pipes).

Two hot-dip galvanised steel columns, fixed to the floor by two anchoring plates and joined together by a profile on top.

Four brushes \varnothing 1.20m to adapt better to the vehicle outline.

Traffic Light to regulate access.

Four pneumatic cylinders to activate and control the brushes.

A support which allows two Dosers to be fitted, one to dispense shampoo and the other, optionally, for wax.

Control and command unit mounted inside a watertight cabinet, containing a PLC, electrics for the power circuit and service counter.

Manual pipe-emptying.

Magnetic detectors to control the position of the vehicle.

A high performance range developed exclusively for large fleets of buses. Capable of really surprising times - up to 1 bus per minute - due to the sheer size of the machine and the fact that it is fixed in place, with the vehicle itself moving through it.



**A SOLUTION
FOR EVERY
NEED**

The advantage of opting for wash efficiency

Since no two situations are alike, Istobal has created a whole range of optional extras aimed at maximising the efficiency of the wash. Ranging from adding chemical products, through to using high-pressure pre-wash systems. Ask our expert sales team.



CONNECTIONS

There are two models of connections available for the perfect operating of the system. Choices are catenary hoses, or rotating arms with post.

If the facility has any type of high pressure pre-wash, a catenary connection is required.

BRUSHES

Can be colour customised. Colours available for PL models, only colour D (blue) is available.

UNDERCHASSIS WASH

Two options are available for underchassis wash operation:

- 15 Kw. - 20 BAR - 260 l./minute
- 30 Kw. - 40 BAR - 210 l./minute



PRE-WASH

A wide range of high pressure pre-washes available:

- 20/40 BAR lower sides pre-wash rotating 0° angle

With 12 rotating nozzles on each column.

- 40 BAR upper sides pre-wash rotating 0° angle

Con 12 boquillas giratorias en cada columna.

- 20/40 BAR sides pre-wash - fixed position

With 20 fixed position nozzles on each column.

- 20/40 BAR sides pre-wash - fixed + crossbeam copier

With 20 fixed position nozzles on each column + 18 moving nozzles on the crossbar of the rollover, copying the contours of the vehicle.

- 20/40 BAR sides pre-wash - moving

13 moving nozzles (up-down) on each column.

- 20/40 BAR sides pre-wash - moving + crossbeam copier

13 moving nozzles (up-down) on each column + 18 moving nozzles on the crossbar of the rollover, copying the contours of the vehicle.



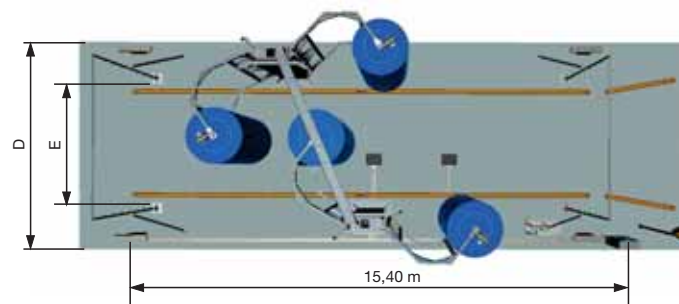
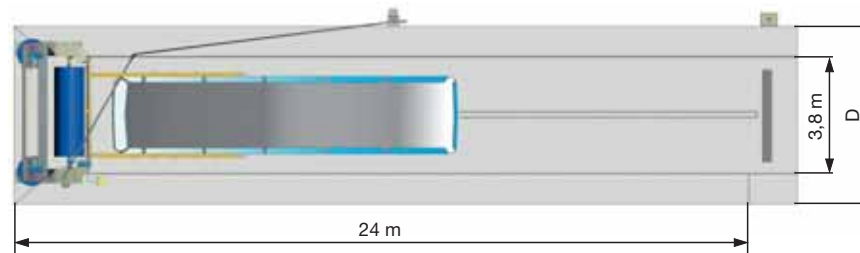
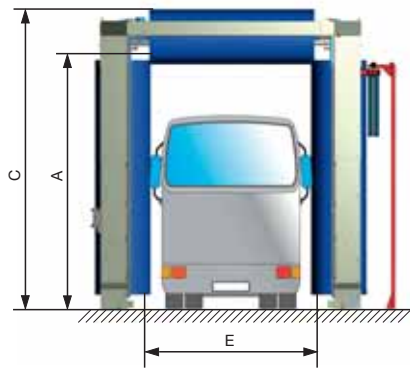
MODEL	N° Brushes	Vehicle access in meters		Performance	Minimum bay size			(D) Width	Length	
		(A) Height	(E) Width		(C) Maximum height with horizontal brush					
					*Ø 920	*Ø 1100	**Reduc. 0,30 m.			
4PJ3200 <input type="checkbox"/> <input type="checkbox"/>	2	4.50	2.70	6-10				5.33	5.81	24
4PJ3500 <input type="checkbox"/> <input type="checkbox"/>	3	4.50	2.70	6-10	5.51	5.60	5.33		5.81	24
4PJ4200 <input type="checkbox"/> <input type="checkbox"/>	3	4.20	2.70	6-10	5.21	5.30	5.03		5.81	24
4PJ4500 <input type="checkbox"/> <input type="checkbox"/>	3	4.50	2.70	6-10	5.51	5.60	5.33		5.81	24
4PJ5000 <input type="checkbox"/> <input type="checkbox"/>	3	5.00	2.70	6-10	6.01	5.83	5.83		5.81	24
4PL1100 <input type="checkbox"/> <input type="checkbox"/>	4	3.80	2.70	20-40				4.44	6.00	15.40
4PL1200 <input type="checkbox"/> <input type="checkbox"/>	4	4.50	2.70	20-40				5.00	6.00	15.40

* Anti splash screen for horizontal brush + 0.15 m.

** With supply by rotating arm. It increases the necessary height in 0.35 m.

Polyethylene Brush Colour: For PL: D:

Language



RANGE PX

Galvanised steel structure.

Traffic Light to regulate access.

Optional anti-splash screens.

Roof wash brush, optional.

Vertical auxiliary brushes.

Control and command unit mounted inside a watertight cabinet, containing a PLC, electrics for the power circuit and service counter.

Vehicle guides rails
1.58 m



A **quick** system for washing fleets

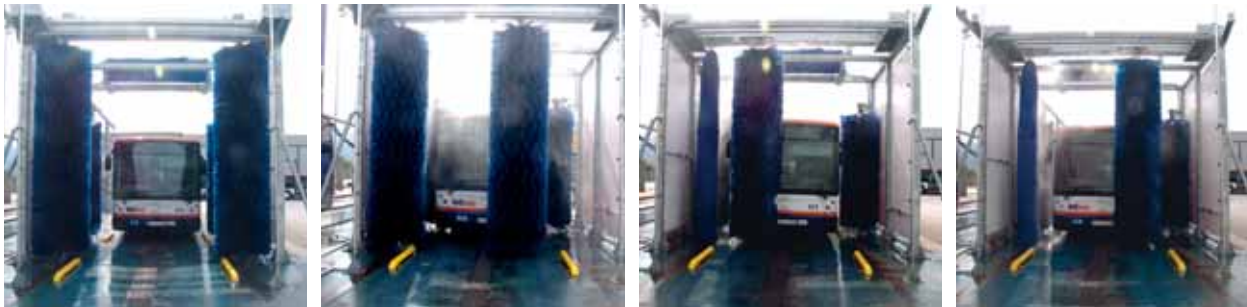
Top performance, **can wash a 12-metre vehicle in less than 2 minutes**, (with overlapping brush wash on the front and back).

A drive-thru wash system, thus completing the range of Istobal products for washing large fleets. The working principle is a static machine occupying a very small space, (from 4 metres long) and which does not need rails. It can wash vehicles regardless of length.

An easy and clear positioning system and communication with the driver via traffic lights, means the clean on the front and back is more effective since these operations are carried out with the vehicle stopped.

The civil engineering work for installation is very basic; obstacles disappear from the bay, making it easier to clean, with only the guide tubes and the corresponding drain.

WASH FRONT



WASH BACK



Four different combinations of machine composition make for maximum versatility:

- Two mobile vertical brushes.
- Two mobile vertical brushes + roof brush.
- Two mobile vertical brushes + two tilting side brushes.
- Two mobile vertical brushes + two tilting side brushes + one roof brush.

The mobile brushes overlap on the front and back of the vehicle.

Vehicle access height 4.50m: on versions without roof brush.

With roof brush in uppermost position: max. wash height 4.50m; minimum 3.80m. This is in combination with 3.5m high tilting brushes.

With roof brush in lowest position: max. wash height 3.60m; minimum 2.90m. This is in combination with 3m high tilting brushes.

Various wash options available: for vehicles with front-mounted wide view mirrors; with stop signal for the overlapping brush wash; and a straight drive-thru wash.



A SOLUTION FOR EVERY NEED

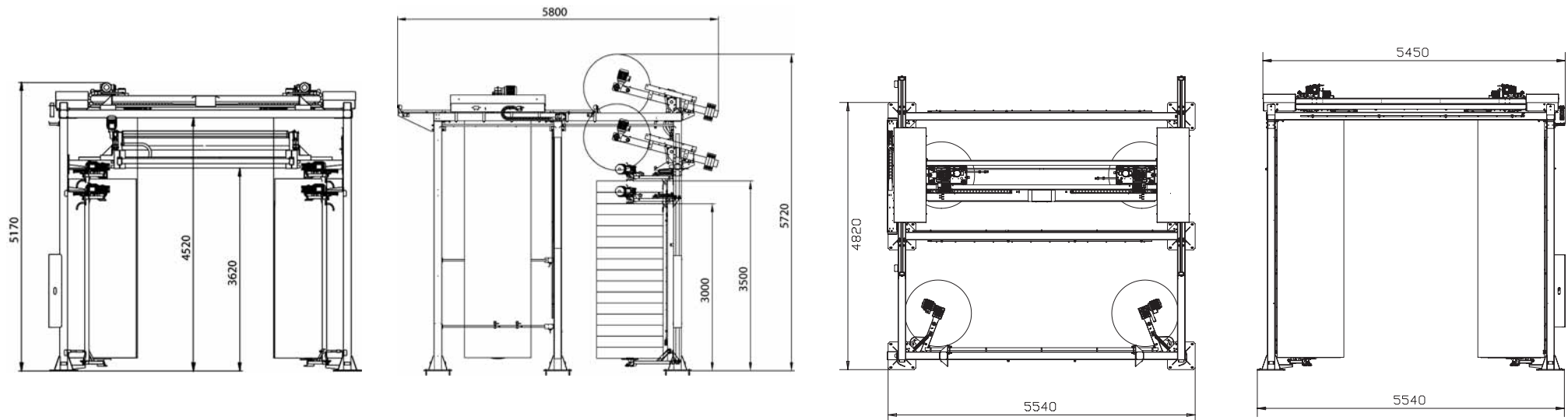
RANGE	MODEL	N° Brushes	Maximum vehicle access m.		Washing up m.	Minimum bay size m.			Efficiency Vehicles/ Hour	Power kw/h. nominal	* Water consumption liters/min.	* Water consumption liters/min. TOTAL
			Height	Width		Height	Width	Length				
4PX1200	Two mobile vertical brushes	2	4.5	2.9	4.5	5.30	5.84	4	30	5.2	230	230
	4075500	4	4.5	2.9	4.5	5.74	5.84	6	30	8.5	14	244
	4075600	3	4.5	2.9	4.5 max. / 3.8 min.	5.74	5.84	6	30	8.5	13	243
	4075700	5	4.5	2.9	4.5 max. / 3.8 min.	5.74	5.84	6	30	8.5	27	257
	4373300	4	4.5	2.9	4.5	5.74	5.84	6	30	8.5	14	244
	4373400	3	3.6	2.9	3.6 max. / 2.9 min.	5.74	5.84	6	30	8.5	13	243
	4373500	5	3.6	2.9	3.6 max. / 2.9 min.	5.74	5.84	6	30	8.5	27	257

* Theoretical consumption at 1.5 bar pressure.

□ Polyethylene Brush Colour: For PX: D:

□ Language

ISTOBAL, S.A., reserves the right to undertake any changes it may deem necessary for product improvement.





ISTOBAL, S.A.

Avda. Conde del Serrallo, 10 • 46250 L' ALCUDIA (Valencia - Spain)
Tel. (+34) 96 299 79 40 • Fax: (+34) 96 299 79 91
E-mail: istobal@istobal.com • www.istobal.com

Branch:

ISTOBAL UK Limited

Milton Mill Industrial Estate • Mill Road • Stourport on Severn • Worcestershire DY13 9BL
Tel. 01299 827027 • Fax 01299 828442 • E-mail: info@istobal.co.uk • www.istobal.com