





## HORIZONTAL BRUSH



The optional high-density polyethylene horizontal brush completes the washing process on the front and the back of the vehicle, and it also washes the roof. It incorporates an anti-fall safety system, a frequency converter to control the elevation speed, and a transducer to control brush pressure, which ensures a perfect vehicle scan.

## EXTERNAL COMMAND POST



This optional external command post with a colour touch screen facilitates **navigation** on the machine menu. It consists of selector switches to turn on and off the vertical and horizontal brushes, push buttons to manually move the machine and the brushes, and program selection push buttons (up to 14 pre-set programs).

## LOWER SIDE HIGH PRESSURE



The perfect optional extra to complement the brush process in lower vehicle areas or on corners inaccessible to the brushes such as rims, underside, or tanks. It consists of **16 zero-angle nozzles** to operate at 70bar and with 84L/min. or 126L/min. It works with an oscillation motor (up-down) and a rotating cylinder (forward-backward) to thoroughly clean the area from different angles.

Our **ISTOBAL HW'KUBE** model is compact and versatile. It is suitable for any commercial vehicle: vans, lorries, trailer trucks, buses, coaches, or any other special vehicle.

**ISTOBAL HW'KUBE** has a robust cubic structure made of hot-dip galvanised steel. Its side columns have an embedded shampoo-dosing system and frequency converters for rollover travel and speed control. Pneumatically controlled with a double bearing assembly, the vertical brushes are available in high-density polyethylene to ensure an effective wash. Two brush-pressure levels automatically adapt depending on the type of vehicle to be washed. Service lines to the rollover can be run on an energy chain, a loop connection, or a static or swinging post and the machine includes up to two different water types.



### WASH DIMENSIONS

WASH HEIGHT	3,610 / 3,880	3,730 / 4,000	4,230 / 4,500	4,730 / 5,000
WASH WIDTH	2,830	2,830	2,830	2,830
LENGTH OF RAILS*	24,000	24,000	24,000	24,000
HEIGHT OF MACHINE	4,590 / 4,780	4,710 / 4,900	5,210 / 5,400	5,710 / 5,900
WIDTH OF MACHINE**	4,740	4,740	4,740	4,740

\* Standard length 24 m. Modules can be added.

All measurements in mm.

\*\* Recommended bay width 5,400 mm.

## DRIVE-THROUGH UNDERCHASSIS WASH



Drive-through underchassis wash with high-pressure system, 70bar and 126L/min. With entry photocells for an automatic operation and **12 rotating zero-angle nozzles**. Can be supplied from the same high-pressure pump rack as the lower side high pressure optional extra by means of a solenoid valve.

## FOAMY CHEMICAL SPRAY



It includes stainless steel pipes and foamers for air mixing. Hot application is recommended for greater chemical effectiveness with our specific **ISTOBAL esens®** range for commercial vehicles. This optional extra includes a **100L** pre-mix tank and a high-pressure pump, **100bar** and **28L/min.**

## MANUAL HIGH PRESSURE



This optional extra allows the user to manually improve the automatic wash with a high-pressure gun working at **160bar** and with **18L/min.** Using the same gun, shampoo can be applied together with the high pressure, and a 15bar chemical prewash program can be selected. The external control panel can be mounted at a distance or wall-mounted. A reel can be installed too. The unit can work with hot water and with softened water.