

# ULTIMA



  
**ALSER**  
Makina Sanayi ve Ticaret Ltd. Şti.



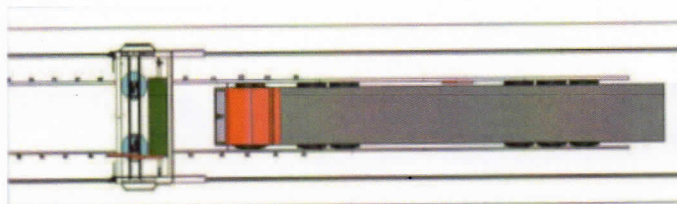
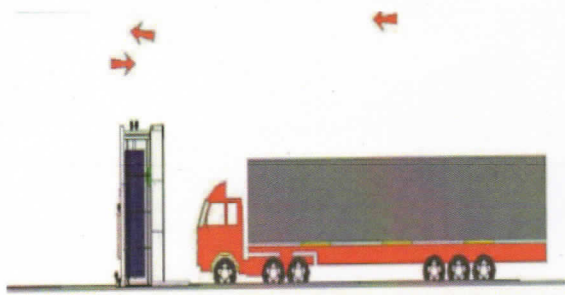
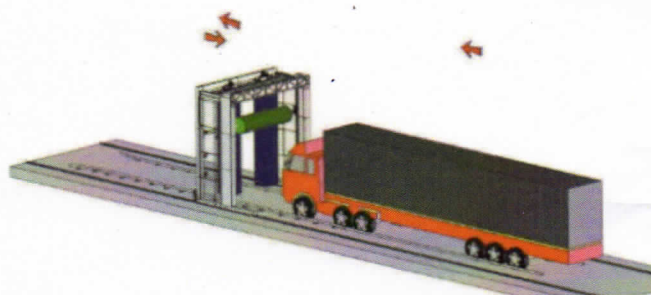
AUTOMATIC VEHICLE WASHING SYSTEMS



# U L T I M A



Our Rollover 3 brushed Ultima models can efficiently wash vehicles (Busses, Tir trucks) up to heights of 370, 420 and 450 cm's related to the model type. Inverter speed controlled gantry motors and automatically brush power pressure controlled top and side brushes are the other technological standards of our best sold model. By the power pressure control of the top brush motor the controllable brushing effect on the vehicle is possible. Also, by the power pressure control of the side brush motors sensitive washing for different type of vehicles are secured. The side brushes move on motor & chain driven brush trolleys. As our ULTIMA models are of modular type, the optional accessories can be mounted easily. The side brushes can make overlapping brushing on the front and rear surfaces to brush wash twice. With special mirror program the front surfaces of the busses are washed without breaking the fixed mirrors.



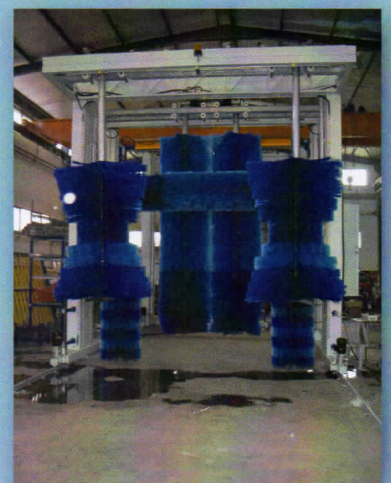


## GENERAL FEATURES AND STANDARD EQUIPMENT

- DBF ULTIMA Automatic Car Washing Machines which are designed by the latest CAD solid design software mostly in 3D are being produced with the latest technology sheet metal cutting and bending equipments like the CNC laser cutting devices, punch presses, press brakes.
- After the formation, first grade sheet metal are being welded Mig-Mag Gas Shielded and Tig Welding by our TUV certified welders. Later the construction are hot dip galvanised, phosphate coated and electrostatically powder painted and baked. This way any further corrosion is prevented for a long lasting success.
- The machines is controlled by PLC computer to run different types of washing programs.
- Bristles of the brushes, gear boxes and electronic components are first quality products of major European manufacturers.
- The gantry speed can be controlled by the inverter system which works with the gantry driver motors.
- The soft start system applied on the brush motors provides long lasting gear boxes.
- Sensitive washing for different type of vehicles is secured the power relay pressure control of the brush motors.
- Elevated connection supply cables over a post.
- Low voltage auxillary circuits for safety.
- The machine is equipped with anti tilt locks against wind.
- There is an electronic counter on the side pannel which counts the number of vehicles that have been washed.
- 18 mt. Rails and a post is standard. For TIR Truck washing 22-24 mt. Rails and 3 post system is required.

### Optional Accessories

- Robo - wash ( 80 bar pressure, pre wash equipment including pump)
- Fixed drying system with 6-8 fans.
- Chassis wash,
- LCD Operating display panel for setting values and diagnostic.
- Caterpillar type post an cables
- Automatic winter drainage (compressed air is required)
- Traffic lights
- Foam application system
- Automatic start with photocells
- Water Softener
- Wax Arch
- Decorative top front cladding



TECHNICAL SPECIFICATIONS	UNIT	W370	W420	W450
Max. Machine Width*	cm.	460	460	460
Max. Machine Height	Cm.	460	520	550
Max. Washing Height	cm.	370	420	450
Max. Washing Width	cm.	270	270	270
Rail Gauge	cm.	405	405	405
Rail Length	m.	14	18-24**	18-24**
Power Installed	kW.	4,5	4,5	4,5
Washing Time***	m/min.	6,0	6,0	6,0
Washing Pressure	Bar	3,5	3,5	3,5
Water Requirement****	lt/vehicle	20xvehicle length	20xvehicle length	20xvehicle length
Electric Requirement	Kwh/vehicle	0,15	0,15	0,15
Shampoo Requirement	Gr/vehicle	30-60	30-60	30-60

\*Machine can optionally be produced a washing width up to 330 cm.

\*\*Machine can optionally be produced with 3 posts instead of 1 with the usage of chanel transporting system for hoses and power cables.

\*\*\*Machine washes with a gantry speed of 6 m./min. The calculation is vehicle length (m.)x2/6+1 min.

\*\*\*\*The water consumption can be calculated by: 20 lt x vehicle length

There is no need for an air compressor since pressurised air is not being used in the system. If winter discharge not required.

Technical specification can be changed without a notice.







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