

Heavy Duty Vehicle Wash Machine Options

Due to the variety of vehicles to be washed, many requirements are placed on the construction and performance of heavy equipment wash machines.

Prewash chemicals, high-pressure jets and brushes must be able to follow the varying shapes of the vehicles precisely from an optimal distance to achieve the best wash result.

Features of Rainbow Ultima:

- Overhead front and rear panels
- Hot-dip galvanized frame construction
- Frequency converter driven lift motors
- Central line cross-over side brushes
- Profiling top brush
- Stainless steel or tarpaulin splash shields for side brushes
- Stainless steel cover for control panel
- LED positioning display
- Soft start for brush rotation motors
- Touch sensitive safety arches and flaps increase safety
- Frequency converter driven gantry travel motors
- Centralized lubrication system
- Derailment prevention locks
- Easy-to-use wash program editing directly from the control panel
- Car Wash Server remote monitoring software

Alternatives for the Prewash Arches:

- Vertical full height pivoting spray banks
- Vertical full height pivoting and divided spray banks
- Vertical partial height pivoting spray banks for intensified treatment of vehicles' lower areas
- Horizontal spray banks placed on contour profiling rotary head (top arch)
- Possibility to use two prewash chemicals

Alternatives for the HP Arches:

- Pivoting side piping covering the front, sides and rear of the vehicle with v-spray or oscillating zero-point nozzles
- Horizontal jet piping that follows the shape of the vehicle and turns around its axis with v-spray or oscillating zero-point nozzles for additional wash power on the front, top, carriage spaces and rear
- Pivoting high-pressure ramp for the lower part with oscillating zero-point nozzles
- Chassis wash

Optional and automation functions

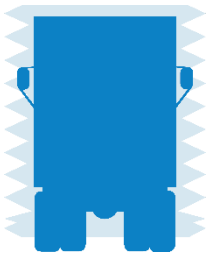
Prewash application from lower spray banks:



High-pressure application from lower spray banks:



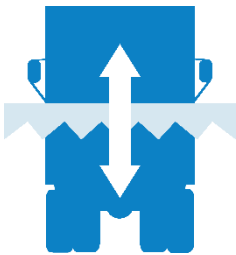
Prewash application from upper and lower banks:



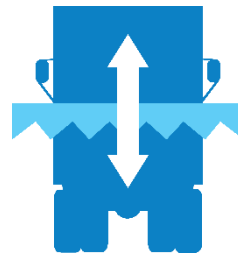
High-pressure application from wheel spray banks:



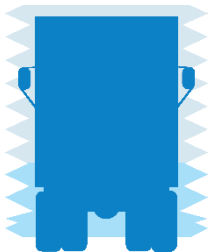
Prewash application from contouring rotary head:



High-pressure application from contouring rotary head:



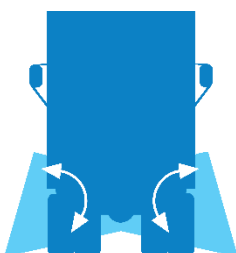
Prewash application with two different chemicals or with one chemical of two different strengths:



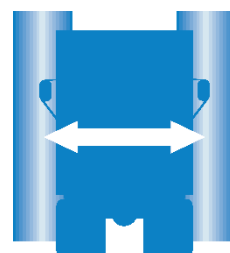
High-pressure application from upper and lower spray banks:



Oscillating chassis wash:



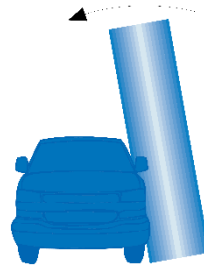
Wraparound 2-brush wash:



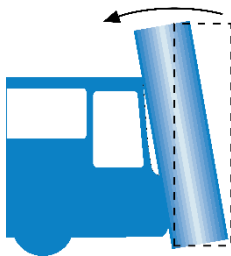
3-brush wash with contouring top brush and wraparound side brushes:



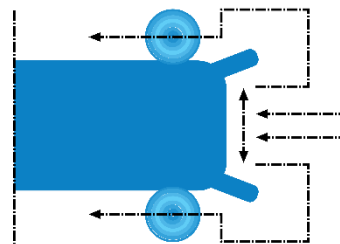
Vertical side contour-tilting action for vans and other small vehicles:



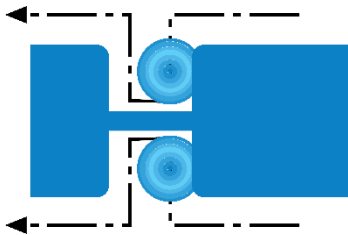
Vertical front contour tilting action:



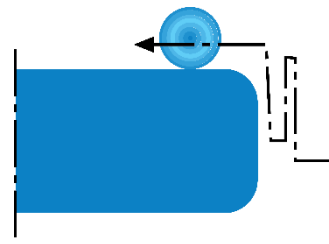
Front mirror override mode for side brush trajectories:



Adjustable draw bar limit for side brushes:



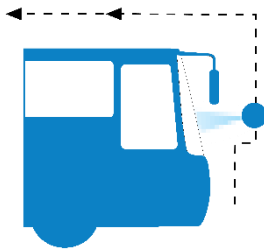
Side brush cross-over wash – performed with both brushes:



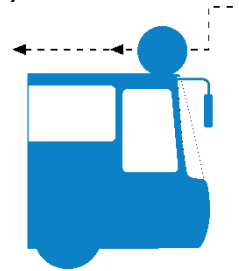
Wash programs

Rainbow Ultima has several wash functions to choose from and multiple ways to follow the shape of the vehicle. They can be used to easily program wash programs for different vehicle types and washing needs. These you can find on the following page:

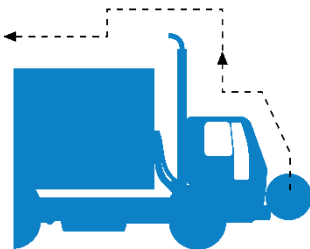
Automatic front mirror override mode for rotary head trajectory:



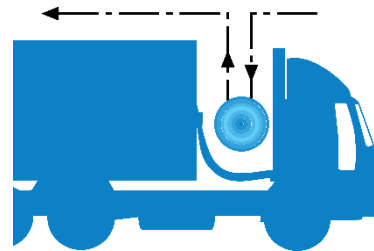
Front mirror override mode for top brush trajectory:



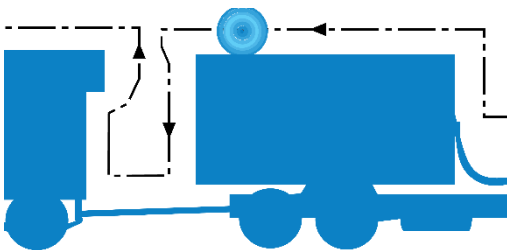
Pre-programmed override sequence for rotary head and top brush:



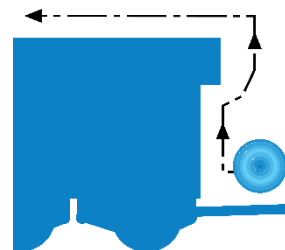
Automatic arctic gap sensing feature:



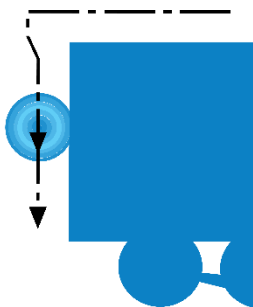
Two settings for top brush lower limit and arctic level:



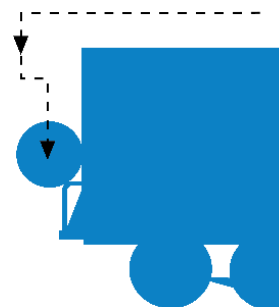
Top brush - back-off feature



Top brush - intensified rear wash / back-on feature:



Adjustable load platform limit for top brush:



Small vehicle mode: effects to brush pressure and top brush lower limit settings:



Full contouring mode / Full override mode / Open top and flat bed vehicle mode for rotary head and top brush.

