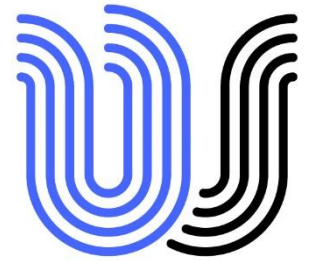


# HAUL TRUCK WASH BAYS



WASH SYSTEMS  
AUSTRALIA



# 2024



## **ABOUT US**

Wash Systems Australia has developed a strategic alliance with Frutiger Company AG to be the exclusive MobyDick partner for Australia.

Continuous improvement of these systems provided the next step – an automated haul truck demucking system. A concept based on recoverability, washing performance, and individual customer needs. The demucking system is one of the most modern and high-quality plant equipment and truck washing equipment systems in the world. It can be tailored to customer needs in terms of washing performance and water recycling.

The design of the wash unit and water recycling depends mainly on the vehicle type (external dimensions, tracks or wheels, contours), the number of vehicles to be cleaned, and the degree of soiling.

### **Contact Us**

[www.washsystemsaustralia.com.au](http://www.washsystemsaustralia.com.au)

1800 092 210

21 Kalinya Close, Cameron Park, NSW,  
2258.

16 Silvertown Court, Paget, QLD, 4740.



## CONTENTS

Wash Bay Overview	4
Traffic Light and Sensor	5
High Volume Spray Arches	6
Vehicle Rinse Arches	7
Undercarriage/Chassis Wash	8
Optional Items	9
Concept Drawings	10



## **WASH BAY OVERVIEW**

Wash Systems Australia can design a fully automated wash bay that caters to specific site requirements. The size and layout of the system is completely customizable and can incorporate any number of additions.

Our basic supply includes a 15m long x 10m wide wash bay fitted with:

- A traffic light and sensor to start and stop the wash cycle.
- High-volume spray arches.
- Vehicle rinse arch.
- High volume undercarriage/chassis wash
- Recycling tank.
- Control panel with SCADA/PLC/remote operation and monitoring system.



## **TRAFFIC LIGHT AND SENSOR**

- A green light allows the vehicle to move into the wash area.
- As the vehicle moves into the wash bay, a sensor triggers the washing process.
- After a set period of time, the washing process will cease to prevent water waste.
- Water is recycled through adjacent tanks and can be treated with a flocculant dosing system (optional).



## **HIGH VOLUME SPRAY ARCHES**



- 4 high volume arches.
- 150 nozzles per arch.
- Nozzle diameter: 8mm.
- 4 x 38kW pumps with 6700L/min of discharge each.

## **VEHICLE RINSE ARCHES**

- 4 rinse arches.
- 30 nozzles per arch.
- Nozzle diameter:  
3mm.
- 4 x 10kW pumps with  
200L/min of discharge  
each.



# **HIGH VOLUME UNDERCARRIAGE/CHASSIS WASH**



- 10m long system to cover entire length of wash bay.
- 340 nozzles in total.
- Nozzle diameter: 8mm.
- 6 x 7.5kW pumps with 2200L/min of discharge each.



## **OPTIONAL EXTRAS**



### **Manual Wash Hose**

- 11kW submersible pump can be mounted inside recycling tank.
- Adjustable, high-quality jet lance.
- Electric roll up hose.



### **Heavy Duty Bollards**

- Yellow and black signal marking
- Supports correct use of the wheel wash system.



### **Flocculant Dosing**

- Automated flocculant fed directly into washing process.
- Suitable for most soil types.
- Maximum flow rate of 25L/h.

