

ROBOWASH



AUTOMATIC CLEANING SYSTEM

www.robowash.com.au

ABOUT US

Robowash offers a complete range of industrial parts cleaning machines for all major industries globally. Whether it is for smaller precise cleaning or large, heavy industrial applications, Robowash machines are engineered for maximum parts cleaning effectiveness, increased cleaning capacity, advanced contamination control and reduced energy consumption. All while offering the safest, most environmentally friendly industrial cleaning available.

BENEFITS AND ADVANTAGES

REDUCED COSTS

With the labour-saving advantages of automation, Robowash machines eliminate the cost of manual cleaning.

INCREASED PRODUCTIVITY

Robowash machines increase the capacity of your workshop cleaning requirements and significantly reduce the time and number of staff required.

IMPROVED QUALITY

The combination of the Robowash machines spinning motion, high flow rates, increased pressure and the effectiveness of our specifically formulated cleaning agent ensures components are completely cleaned, free of carbon, oil and grease every time.

IMPROVED PROTECTION

Robowash chemical detergents for aqueous parts cleaning are specifically formulated for use in all Robowash machines to provide highly effective industrial cleaning results and is safe for all metal types. With the addition of rust inhibitors your components are left cleaned and coated with a protective coating to protect against rusting.

IMPROVED HEALTH AND SAFETY

Robowash machines use a specifically formulated alkaline salt based chemical detergent for aqueous parts cleaning which removes the hazards associated with hydrocarbon solvents in your workshop. In addition, as cleaning takes place in an enclosed cabinet, your staff are not exposed to the cleaning process.

INCREASED EMPLOYEE RELATIONS

Robowash machines release skilled tradespeople from dirty and tedious tasks, freeing them to do more productive and satisfying work.

ENVIRONMENTALLY RESPONSIBLE

There is pressure from both government and private organisations for industry to improve its environmental footprint.

Another direct advantage of using Robowash machines for your industrial cleaning is it eliminates hydrocarbon based solvents which minimises the potential risks of environmental disasters.

Robowash uses an alkaline salt based cleaning agent and water to clean your industrial parts and is designed to meet government regulations for waste disposal.

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ROBOWASH - SOLVENT SINKS

FEATURES & SPECS



DESCRIPTION

When manual cleaning of smaller components is required Robowash offers solvent sinks for your specific cleaning requirements. The solvent sinks are designed for safety and convenience and we offer both traditional hydrocarbon solvents as well as environmentally friendly water-based solvents.

The Robowash solvent sink is suited to smaller parts cleaning applications with sink dimensions of 800mm width, 550mm depth and 250mm height.

INSTALLATION REQUIREMENTS

CONNECTIONS REQUIRED

All connections are required to be dedicated and permanent.

ELECTRICAL: Wall plug at the rear of but no further than 5 metres from the machine.

- 240V 10A single phase

AIR: Only required for optional pneumatic pump.
Supply to the rear but no further than 5 metres from the machine.

320 series double button hose connection. 3 bar minimum.

SPECIFICATIONS

Solvent Sink dimensions:	Internal Sink Width:	800mm
	Internal Sink Depth:	550mm
	Internal Sink Height:	250mm
Tank capacity:	60 litres	
Electrical load:	10A, 240V Single Phase	
Pump:	10 LPM	

KEY FEATURES

- Simple to use and cost effective
- Solvent options for all types of applications
- Electrical and pneumatic pumps are available
- Filters available to reduce contamination
- Rinse or wash function in the same machine

ROBOWASH - R1, R3, R3-1400

SMALL CAPACITY MACHINES

R1



ROBOWASH R1

Suitable for smaller parts washing applications with light to heavy carbon deposits such as pistons, rods, end caps, nuts and bolts.

R3



ROBOWASH R3

Suitable for general cleaning applications with light to heavy carbon deposits in the automotive and engineering industries including pistons, rods, nuts and bolts, V6 to V8 Engines, brakes and components.

R3-1400



ROBOWASH R3-1400

Suitable for general cleaning applications with light to heavy carbon, grease and oil deposits in the trucking and transport industry including pistons, rods, nuts and bolts, rocker covers, sumps and smaller engines.

MODEL	R1	R3	R3-1400
Load Capacity:	250 kg	450 kg	750 kg
Basket Dimensions:	895mm Diameter	1100mm Diameter	1400mm Diameter
Internal Height:	550mm	600 mm	600 mm
Tank Capacity:	160 L	200 L	280 L
Max Electrical Load:	20A, 415V 3 Phase	20A, 415V 3 Phase	20A, 415V 3 Phase
Machine Weight:	350 kg	480 kg	600 kg

ROBOWASH - R4, R5, R6

MEDIUM CAPACITY MACHINES

R4



ROBOWASH R4

Suitable for medium cleaning applications with heavy carbon, grease and oil deposits including engine blocks, final drives, cylinder heads, gears and components.

R5



ROBOWASH R5

Suitable for large cleaning applications with heavy carbon, grease and oil deposits including engine blocks, final drives, cylinder heads, gears and smaller spindles.

R6



ROBOWASH R6

Suited for large off-road diesel engine rebuild and remanufacture as well as wheel hubs, final drives and precision gear cleaning.

MODEL	R4	R5	R6
Load Capacity:	1500 kg	3000 kg	4000 kg
Basket Dimensions:	1500mm Diameter	1800mm Diameter	2000mm Diameter
Internal Height:	945mm	1100 mm	2000mm
Tank Capacity:	325 L	475 L	700 L
Max Electrical Load:	32A, 415V 3 Phase	32A, 415V 3 Phase	32A, 415V 3 Phase
Machine Weight:	960 kg	1250 kg	3000 kg

ROBOWASH - R7, R8, R9

LARGE CAPACITY MACHINES

R7



ROBOWASH R7

The R7 Robowash machine is capable of cleaning the largest industrial engine and components available, including C175-16 and 3500 Caterpillar engines internally as well as externally with full rinse function.

R8



ROBOWASH R8

The R8 Robowash machine is purpose built for the global rail industry and in particular for cleaning EMD and GE 12, 16- and 20-cylinder engine blocks to manufacturer standards in a horizontal position.

R9



ROBOWASH R9

The R9 Robowash machine is capable of cleaning the largest industrial engine and components available, including C175-16 and C175-20 engines internally and externally with rinse function capabilities.

MODEL	R7	R8	R9
Load Capacity:	6000 kg	8000 kg	6000 kg
Basket Dimensions:	2600mm Diameter	3800 mm	3250 mm
Internal Height:	1500mm	1100 mm	1500 mm
Tank Capacity:	2800 L	2500 L	4000 L
Max Electrical Load:	100A, 415V 3 Phase	100A, 415V 3 Phase	100A or 160A, 415V 3 Phase
Machine Weight:	9000 kg	9500 kg	14000 kg

ROBOWASH - THE TOTAL PACKAGE

In addition to the Robowash machine to automate your industrial cleaning, Robowash offers a total service package that includes workshop assessment, installation and commissioning, operator training, wastewater removal and treatment, preventative maintenance and the flexibility of rental or purchase options.

RENTAL OPTIONS

Obtain full advantage of all the benefits of the Robowash system, without the need to tie up your capital expenditure. Through our rental program, you have the flexibility to expand your operations to match your needs with minimal costs.

INDUSTRY EXPERIENCE

Advice on choosing the correct model or combination of models to suit your specific cleaning requirements is critical.

An assessment of your workshop with regard to layout, work schedules, work processes, materials and health and safety will ensure that you get the model most suitable to your overall requirements.

SERVICE AND MAINTENANCE PROGRAM

With the Robowash Service and Maintenance Program, all aspects of maintenance and service of Robowash machines are included in the one monthly payment, including the replacement and disposal of the waste water according to government and industry regulations.

TRAINING

Our service also includes initial ongoing training of your staff. This training includes loading and unloading techniques designed to improve work flow. As well as determining the appropriate wash cycle times for each application.

RELIABILITY

We work closely with our suppliers to ensure that Robowash machines are built using only the best quality components to guarantee reliability and minimise downtime.

MACHINE OPTIONS & ACCESSORIES

- 316 Stainless Steel
- Pump Upgrades
- Spray bar upgrades including high impact nozzles
- PLC and data log options
- Emergency Stop
- 7 Day Timer
- Parts Baskets
- Spare Parts
- Cleaning Agent and chemicals
- Custom Machines
- Solvent Machines



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