



SmartWasher®

BIOREMEDIATING parts washing system

PRODUCT CATALOGUE



SmartWasher®
BIOREMEDIATING parts washing system

✓ **High-Performance Cleaning**

- ✓ Non-Hazardous
- ✓ Non-Flammable
- ✓ Non-Corrosive
- ✓ Non-Polluting



www.smartwasher.com



SmartWasher[®]

BIOREMEDIATING parts washing system



Sales & Service Support

- Freight free to the end user
- CRC will commission each new machine with the new owner, getting it up and running quickly and efficiently for you
- CRC operates a dedicated customer care support line, available to you and your customers, for all needs. Ph: 09 272 2700, www.crc.co.nz
- We run an end-user customer contact programme ensuring optimal SmartWasher[®] system operation, regular maintenance, new product updates and consumable sales through your business
- Warranty registration programme and on going sales support for you and your customers

Our Commitment To You:

"To assist businesses in retaining the lifetime value of their correctly operating SmartWasher[®] system."



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SmartWasher® Benefits

1. Solvent free
2. pH Neutral
3. Non-hazardous
4. No harmful vapours
5. Non-flammable
6. Non-toxic
7. Healthier system for the user
8. Non-irritating
9. Assists with WorkSafe NZ compliance
10. Safe for use in the Food Industry
11. Reduced PPE expenditure
12. Assists in ISO 14001 compliance
13. Reduced hazardous waste disposal with unique bioremediation technology
14. Heated to 42°C to aid cleaning which makes it more pleasant to use
15. Over 50,000 in use world-wide

Certification & Approvals

The environmentally safe alternative to solvent based parts washers. The OzzyJuice® degreasing solutions used in the SmartWasher® are non-hazardous, non-corrosive, pH-neutral, non-flammable, non-toxic, non-caustic, aqueous-based degreasing solutions. They are environmentally friendly and are not known to cause damage to humans or the environment. Safe to use without gloves. When used in accordance with directions they DO NOT create hazardous wastes or produce cradle-to-grave liabilities.

OzzyJuice® Food Industry Approvals

- NZ AsureQuality - Approved for food/beverage/dairy transport and related contact surfaces SW3/SW4/SW6.8.
- MPI - Approved C31, SW3/SW4/SW6.8.
- NSF - Approved A1 All fluids.

OzzyJuice® Defence Force Approvals

- NSN - National Stock Numbers
NSN numbers for Defence Forces available upon request.

Clean Air Solvent Certificate

- All OzzyJuice® products are certified “Clean Air Products” by SCAQMD (South Coast Air Quality Management District).

Safer Choice® Approved Products

- OzzyJuice® SW-4 and OzzyBooster™ liquid microbes are both US EPA Safer Choice Products.

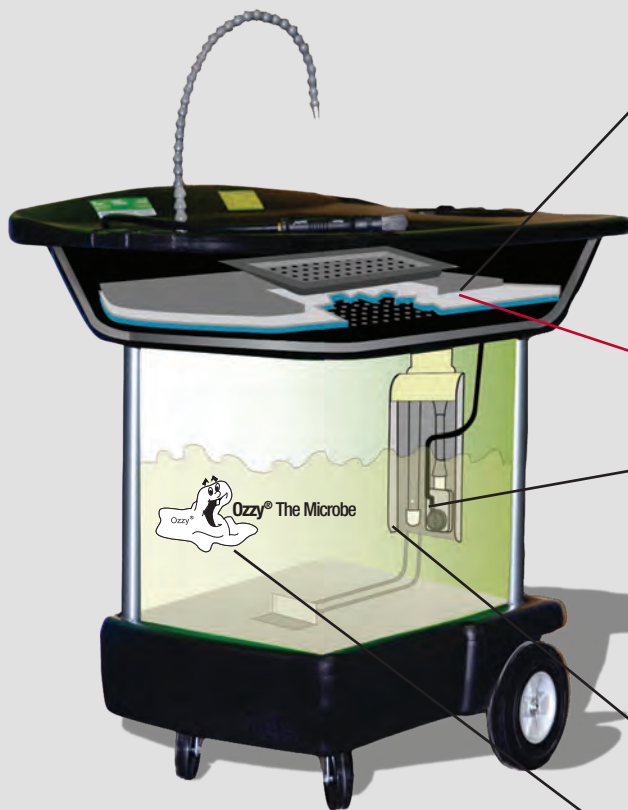


How it works

The SmartWasher® Bioremediating Parts Washing System is both self-cleaning and safe for the user. Through the process of bioremediation the SmartWasher® constantly maintains the cleanliness of the OzzyJuice® cleaning/degreasing solution without the need for hauling used fluid, skimming oil or evacuating the unit. Microbes (Ozzys®), introduced into the SmartWasher® system through the OzzyMat™, break down the grease, oil and other contaminants cleaned off the dirty parts, creating a harmless by-product of carbon dioxide and water. In short, **the OzzyJuice® cleaning/degreasing solution cleans the dirty parts and the Ozzy microbes clean the OzzyJuice® leaving it strong and clean for every use.** In addition, if the unit is maintained properly, and according to the operating instructions, you should never need to haul away dirty parts cleaning fluid again.

OZZY® MICROBES INSIDE

OZZY® MICROBES KEEP THE OZZYJUICE® CLEAN AND STRONG.
CLEAN OZZYJUICE® MEANS CLEAN PARTS.



THE MAGIC STARTS WITH THE OZZYMAT™

THE OZZYMAT™, (IMPREGNATED WITH OZZY® MICROBES), IS THE KEY TO MAXIMIZING THE PERFORMANCE OF THE SMARTWASHER® SYSTEM AND THE OZZYJUICE® DEGREASING CLEANING SOLUTION

- **THE OZZYMAT™** traps particulate down to 50 microns in size but more importantly contains Ozzys® (microbes). The Ozzy® microbes, impregnated in the OzzyMat™, are transported along with the OzzyJuice® into the SmartWasher® tank. These natural occurring Ozzy® microbes eat the grease, oil, and other contaminants cleaned off the dirty parts and create a harmless by-product of carbon dioxide and water. This bioremediation process leaves the OzzyJuice® clean and strong and ready to use time after time without the need to change, evacuate or haul away dirty parts washing fluid.
- **CHANGE THE OZZYMAT™ ONCE A MONTH TO MAINTAIN CLEAN OZZYJUICE.**
- **HEATED OZZYJUICE®** flows through the nozzle, and flow-through brush, onto the dirty part, then travels through the OzzyMat™ and into the SmartWasher® tank. OzzyJuice® is a powerful, aqueous based degreasing solution that is pH-neutral, non-hazardous, non-flammable, and non-toxic. Armed with superior cleaning capability, the OzzyJuice® solutions will match or surpass the performance of a premium solvent without all the associated risks. All OzzyJuice® solutions are certified by both NSF and SCAQMD.
- **THE 19 LITRES PER MINUTE RECIRCULATING PUMP** pulls the OzzyJuice® from the tank and sends it back through the nozzle and brush - ready to clean more dirty parts.
- **THE OZZY® MICROBES** do their job eating the grease, oil and other contaminants cleaned off the dirty parts, creating a harmless by-product of carbon dioxide and water, leaving the OzzyJuice® clean and strong and ready to use.

SW-23 Mobile Parts/Brake Washer Startup Kit

SW-23 - Fits every application with its unique design, large sink size, mobility and amazing features. It includes an extra long angled brush/hose for those hard to reach places and a customised dolly with a footstep that makes it really easy to move around.

Overall Dimensions	1092mm (L) x 686mm (W) x 1067mm (H)
Inside Sink Dimensions	686mm (L) x 584mm (W) x 203mm (H)
Capacity	70L
Load Capacity	180 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle Switch
Pump Capacity	19 litres per minute
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 Minutes
Certified	ETL (UL/CSA), CE, NSF
Initial Fill	70L



Ships completely assembled, with 3 OzyMat™ and enough OzyJuice® to get started and keep going for 3 months!

SW-37 Mobile Heavyweight Parts Washer Startup Kit

SW-37 - Tough enough for the big jobs, it has an enormous 454 kg load capacity, moves easily through the workshop area on a mobile dolly or can stay in one place with locking casters and provides a large, oversized sink to accommodate multi-sized parts.

Overall Dimensions	1219mm (L) x 889mm (W) x 1143mm (H)
Inside Sink Dimensions	838mm (L) x 685mm (W) x 203mm (H)
Capacity	100L
Load Capacity	454 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle Switch
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 Minutes
Pump Capacity	19 litres per minute
Certified	ETL (UL/CSA), CE, NSF
Initial Fill	100L



Ships completely assembled, with 3 OzyMat™ and enough OzyJuice® to get started and keep going for 3 months!

SW-25 Signature Parts Washer Startup Kit

SW-25 - Fits every budget and has everything you need in a manual parts washer and then some: toggle switch controls, a flow control timer, adjustable thermostat, and a super capacity pump.

Overall Dimensions	991mm (L) x 737mm (W) x 1016mm (H)
Inside Sink Dimensions	660mm (L) x 432mm (W) x 203mm (H)
Capacity	80L
Load Capacity	227 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle Switch
Pump Capacity	19 litres per minute
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 Minutes
Certified	ETL (UL/CSA), CE, NSF
Initial Fill	80L



Ships completely assembled, with 3 OzzyMat™ and enough OzzyJuice® to get started and keep going for 3 months!

SW-28 SuperSink Parts Washer Startup Kit

SW-28 - Bigger is better with the SuperSink Parts Washer. This model is loaded with features and includes an extra large work surface for all jobs, large and small. A second workstation allows two people to work at the same time.

Overall Dimensions	1194mm (L) x 965mm (W) x 1067mm (H)
Inside Sink Dimensions	1041mm (L) x 660mm (W) x 203mm (H)
Capacity	80L
Load Capacity	227 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle Switch
Pump Capacity	19 litres per minute
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 Minutes
Certified	ETL (UL/CSA), CE, NSF
Initial Fill	80L



Ships completely assembled, with 3 OzzyMat™ and enough OzzyJuice® to get started and keep going for 3 months!

Model Comparison Chart



SW-23* Mobile Parts/Brake Washer	SW-25* Signature Parts Washer	SW-28 SuperSink Parts Washer	SW-37 Mobile Heavyweight Parts Washer
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•	•	•	•	Heavy-Duty HDPE Construction
•	•	•	•	Electric Operated Pump (19L/min)
•	•	•	•	Adjustable Thermostat (40 to 46°C)
•	•	•	•	Toggle Switch Controls
•	•	•	•	On-Board Diagnostics
•	•	•	•	Flow Control Timer
•	•		•	One Brush Station
		•		Two Brush Stations
•			•	Dolly
			•	Detachable Control Box
•				Up To 180kg Load Capacity
	•	•		Up To 227kg Load Capacity
			•	Up To 454kg Load Capacity
•	•	•	•	Certified: ETL (UL/CSA), CE

*Air operated SmartWasher® machine models available on request.

OzzyMat™

FL-4 Multi-Layer OzzyMat™

Designed for applications with Normal to Heavy Usage ,the FL-4 Multi-Layer OzzyMat™ has (4) white layers and (1) green layer. The white layers on the mat trap any particulate larger than 50 microns and should be peeled away once a week for optimum performance. The green layer is the support structure that contains the microbes (Ozzy®) and delivers them into the system. These microbes (Ozzy®) migrate from the OzzyMat™ into the OzzyJuice®, located in your SmartWasher® tank, and break down hazardous waste.



OzzyJuice®

WHAT IS OZZYJUICE®?

OzzyJuice® is a powerful, aqueous based degreasing solution that is pH-neutral, non-irritating, non-flammable, and non-toxic. Armed with superior cleaning capability, the OzzyJuice® solutions will match or surpass the performance of premium solvents without all the associated risks.

OZZY® MICROBES KEEP THE OZZYJUICE® CLEAN AND STRONG.

Microbes (Ozzy®), introduced into the SmartWasher® system through the OzzyMat™, eat the grease, oil and other contaminants cleaned off the dirty parts, creating the harmless by-products of carbon dioxide and water.

CLEAN OZZYJUICE® MEANS CLEAN PARTS.

The OzzyJuice® cleaning/degreasing solution cleans the dirty parts and the Ozzy® microbes clean the OzzyJuice® leaving it strong and clean for every use. You should never need to haul away dirty parts cleaning fluid again, if the unit is maintained properly, and according to the operating instructions.



Contaminant Comparison Chart	Degreasing Solution	Truck Grade Degreasing Solution*	Heavy Duty Degreasing Solution*	Select Metals, Aircraft & Weapons Degreasing Solution*
Contaminant	SW-1	SW-3	SW-4	SW-6.8
Crude Oil	Excellent	Excellent	Excellent	Good
Hydraulic Transmission Fluid	Excellent	Excellent	Excellent	Excellent
Motor Oil	Excellent	Excellent	Excellent	Excellent
Solder & Flux	Excellent	Good	Excellent	Excellent
Bearing & Grease	Good	Excellent	Excellent	Good
Automotive Grease	Good	Excellent	Excellent	Excellent
Resin Products	Good	Excellent	Excellent	Excellent
Fifth Wheel Grease	Good	Excellent	Excellent	Good
Creosete	Excellent	Excellent	Excellent	Good
Impacted Grease	Good	Excellent	Excellent	Good
Animal Fat	Good	Excellent	Excellent	Fair
Automotive Varnish	Excellent	Good	Good	Good
Burned-on-Carbon	Excellent	Good	Excellent	Good
Cutting Oils	Excellent	Good	Good	Good
Ink/Toner	Excellent	Fair	Good	Fair
Asphalt	Good	Good	Good	Fair
OZZYMAT™	Multi-Layer	FL-4	Normal to heavy particulate	

*Certified by MPI & NZ Asure Quality

Ozzy Extras

OzzyBooster™

OZBST-OzzyBooster™

A microbial enhancer that can be used to enhance or “boost” microbial activity in the SmartWasher® system; it actually increases the density of Ozzy® (microbes) within the OzzyJuice®.

In most cases, the need for a “boost” will never materialize but when an overused machine needs a “kick in the microbes”, so to speak, OzzyBooster™ can do the job.



OzzyBrushes™

1675-BRANB Angled Brush with Button

Angled brush with flow control button on the handle. Standard brush on SmartWasher® models SW-23 and SW-37.



1685-BRUSH Straight Brush Replacement

Straight flow through brush. Standard brush on SmartWasher® models SW-25 and SW-28.

OzzyAppleScent™

3335-SCENT-4

Odour Neutraliser for the SmartWasher® unit when a different odour is required or requested.



Machines Covers

Covers available to protect your machines.



SW-23

1130-SWCOV-3



SW-25

1130-SWCOV-5



SW-28

1130-SWCOV-28



SW-37

1130-SWCOV-37

FAQ's

What is BIOREMEDIATION?

Bioremediation is the use of biological agents such as microbes or plants to break down or neutralise “hazardous substances” or “contaminants” thereby removing dangerous chemicals in the environment. The science of bioremediation is listed as one of the Environmental Protection Agency's (EPA) innovative technologies.

How do I know the SmartWasher is safe to use?

The OzzyJuice® degreasing solutions used in the SmartWasher® are non-hazardous, non-corrosive, pH neutral, non-flammable, non-toxic, non-caustic, aqueous-based degreasing solutions. They are not known to cause damage to humans or the environment. When used in accordance with directions they DO NOT create liquid hazardous wastes or produce cradle-to-grave liabilities.

Who and what is Ozzy®?

Ozzy® is the name we selected for the blend of nonpathogenic (harmless to humans) microbes in the SmartWasher® system. Our microbes, Ozzy® and his friends, eat potentially harmful hydrocarbon wastes in the SmartWasher® and transform these wastes into very small quantities of carbon dioxide and water. Similar types of microbes have been used for many years in various bioremediation applications, such as oil spills, including the clean up after the Exxon Valdez oil spill in March of 1989 and the Gulf of Mexico oil spill in April 2010.

Can I simply add water to the SmartWasher to adjust the fluid level?

NO. Adding water will dilute the OzzyJuice®, severely impacting its performance.

How well does OzzyJuice® clean?

OzzyJuice® is extraordinarily powerful and cleans extremely well. OzzyJuice® is a surfactant that breaks down the surface tension between the grease and the part rather than dissolving it; the grease actually lifts off the parts leaving behind clean surfaces. Note that while OzzyJuice® cleans differently than traditional solvents or mineral spirits, it cleans just as well.

What colour should the OzzyJuice® be?

As the OzzyJuice® is used to wash grease and oil from parts the colour of the fluid will become dark. THIS IS NORMAL: while the OzzyJuice® appears to be “dirty”, it has simply been dyed by the artificial colorings used in greases and oils.

Why doesn't OzzyJuice® damage my hands like solvents?

OzzyJuice® is a pH-neutral, non-caustic, water-based formula that will not dry, crack or irritate the skin. Solvents are caustic and pull fat cells from the skin, possibly causing extreme drying, redness, blisters, and other dermatological problems.



CRC Industries NZ, 10 Highbrook Drive, East Tamaki, Auckland, New Zealand
www.crc.co.nz/smartwasher

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