



SmartWasher[®]

BIOREMEDIATING parts washing system

P R O D U C T G U I D E



VIEW DIGITAL



BE SAFE BE SMART

PROTECT YOUR TEAM AND THE ENVIRONMENT

The CRC SmartWasher® is a bioremediating parts washing system designed to clean dirty equipment parts during repair and maintenance operations - safely. The system combines 3 essential components – the SmartWasher® parts washer, the Ozzyjuice® cleaning fluid, and the OzzyMat® filter that contains a proprietary blend of microbes.

The SmartWasher® heats and circulates the Ozzyjuice® and the Ozzyjuice® cleans the parts. The OzzyMat® releases the microbes into the cleaning fluid to break down and eat oil, grease and carbon-based contaminants, creating a self-cleaning system that does not generate hazardous waste.

The SmartWasher® system harnesses the power of nature to deliver exceptional cleaning performance while also eliminating the need to handle or dispose of hazardous waste, making it a safer choice over manual solvent or aqueous-based parts washers.



CRC SmartWasher
BIOREMEDIATING parts washer

✓ High-Performance Cleaning

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

CHANGE
THE OZZY
OZZY MICRO

Made in U.S.A. Manufacturing Excellence. A Division of CRC Industries. www.smartwasher.com

Copyright © 2017 CRC Industries. All Rights Reserved. SmartWasher, Ozzyjuice, OzzyMat, and the SmartWasher logo are registered trademarks of CRC Industries.

WHAT IS BIOREMEDIATION?

Bioremediation is the use of microbes to break down and “eat” oil, grease, and carbon-based contaminants. This proven biotechnology is used to assist in the clean-up of wastewater treatment ponds and lagoons in petroleum refineries and industrial manufacturing facilities all around the world.



OIL CONTAMINANTS ENTER THE SOLUTION AS PARTS ARE WASHED.



SURFACTANT IN OZZYJUICE® SOLUTION EMULSIFIES THE OILS.



EMULSIFIED OIL IS EATEN BY THE OZZY® MICROBES.



OIL IS CONVERTED INTO WATER AND CARBON DIOXIDE.

asher
washing system

cleaning

GE
AT
30
MIN
WASHES INSIDE

washer.com

HISTORY OF CRC SMARTWASHER®

For nearly 30 years, CRC SmartWasher® has been evolving, committed to providing an alternative method to cleaning parts without harming the environment or users. CRC SmartWasher® currently sells its products globally in many regions across a wide range of markets, holding patents in both the United States and abroad.

Process of bioremediation devised.

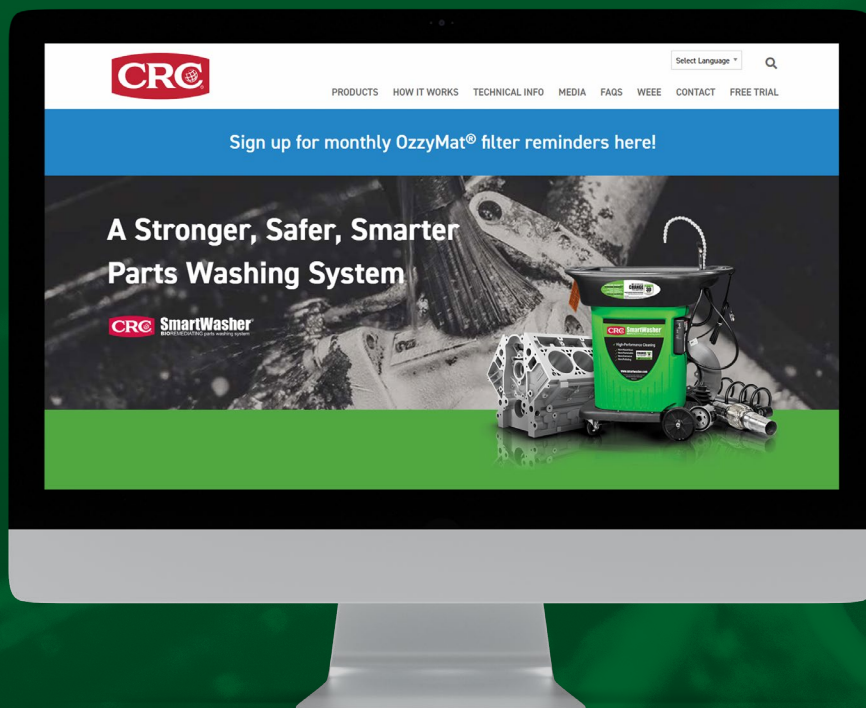
First commercial use of a bioremediation system used to clean up oil spill in Ambler, Pennsylvania.



GE discovered a strain of bacteria that is able to degrade components of crude oil.

The oil-eating super-microbe was developed at GE by Ananda Mohan Chakrabarty Ph.D.

FOR VIDEOS, DOCUMENTS & PRODUCT INFORMATION...



VISIT: SMARTWASHEREUROPE.COM

Commercialisation of bioremediation began, particularly for the treatment of contaminated soils & groundwater.

CRC Industries acquires SmartWasher® into its water-based offering.

1980

1993

2015

2022

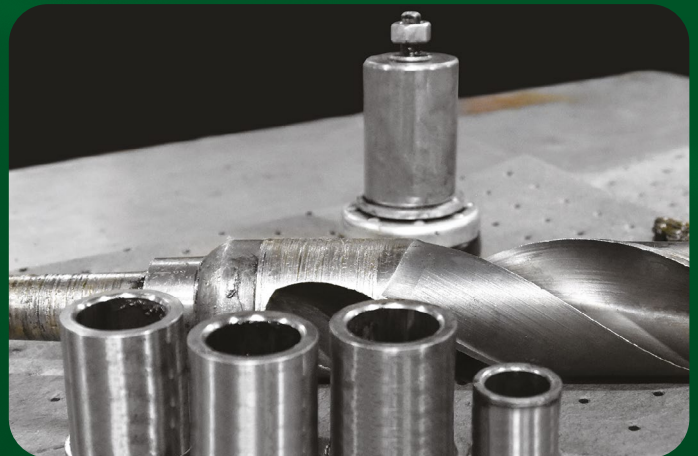
ChemFree® Corporation founded with the launch of SmartWasher®, world's first bioremediating parts washer.

CRC SmartWasher® continues to expand globally, leading the way in bioremediating parts cleaning.

POWERFUL AND EFFICIENT CLEANING



BEFORE



AFTER

THE PERFORMANCE ADVANTAGE

It works! CRC SmartWasher® is effective, even on the toughest carbon, grease, gunk and oils.



EXCEPTIONAL CLEANING POWER

Meets or exceeds the cleaning performance of manual solvent and aqueous parts washers



SELF-CLEANING SOLUTION

The bioremediation process keeps the fluid clean and ready to use



MOBILE OPTIONS

Save time by bringing the washer to the parts instead of the parts to the washer

THE COST ADVANTAGE

When you compare traditional parts washers against the CRC SmartWasher®, the savings are clear.



LESS SPENDING

No ongoing purchase of solvent cleaners



MINIMISED WASTE

No changing or hauling away of cleaning fluid



NO CONTRACTS

Eliminates hazardous waste removal contracts



LOWER LIABILITY

No cradle to grave legal liability



THE SAFETY ADVANTAGE

A CRC SmartWasher® delivers exceptional cleaning without any of the health risks associated with solvent and aqueous-based parts washers. It's safer for you and for the environment.



BIOREMEDIATING MICROBES

Naturally occurring and non-pathogenic



OZZYJUICE® CLEANING FLUIDS

Non-irritating and environmentally-friendly



SAFER FOR EMPLOYEES

Non-flammable & no contact with harmful solvents



SAFER FOR THE ENVIRONMENT

No hazardous waste



FLEXIBLE TAP

Bendable design allows user to aim fluid stream directly at greasy, dirty parts.



THE OZZYMAT®

The microbe-infused mat traps particulate matter larger than 50 microns. It is disposable and easy to change. The microbes in the mat are activated when used with Ozzyjuice®. Change mat every 30 days for optimal performance.



RECIRCULATING PUMP

Pump action recirculates system fluid and microbes through machine.

INDUSTRIAL HEATER

Built-in heater keeps fluid at a comfortable 40°C. The heat can also be set to 46°C.



FLOW-THROUGH BRUSH

Scrub away grease and oil with the durable brush.



PUMP CONTROL TIMER

System is equipped with a timer that automatically stops fluid flow after a set time of 10 or 30 minutes.

CRC LOCATIONS AROUND EMEIA

- Our company consists of five operating groups headquartered in the United States, Belgium, the United Kingdom, Australia and South Africa.
- The ISO 9001 certification of our manufacturing plants in Belgium, the United Kingdom and South Africa reflects the high priority we give in providing consistent quality to meet our customers' needs. CRC® Industries UK has also been awarded the ISO 14001 certification, recognizing its responsible environmental practice.
- We guarantee high quality products by following strict guide-lines in all facets of research, development and production.
- We meet today's most stringent environmental and safety standards.
- We develop new products and continue to adapt existing products to meet the needs of our customers.



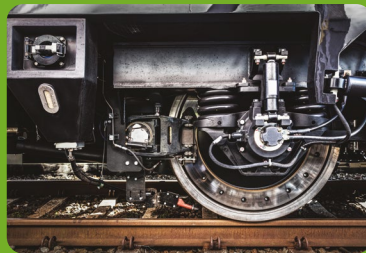
FOR USE IN MANY DIFFERENT INDUSTRIES...



MANUFACTURING



FOOD & BEV



RAIL



AVIATION



AUTOMOTIVE



MILITARY



BIKE



WAREHOUSING



FORESTRY



HIRE

AND MANY MORE...

THE SMARTWASHER® RANGE

SmartWasher® ships completely assembled. Starter kits available with OzzyMat® and OzzyJuice®.

SW-23 MOBILE PARTS / BRAKE WASHER

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.

Nr.	1752873
Ref.	33328
Overall Dimensions (L*W*H)	1092mm * 686mm * 1067mm
Inside Sink Dimensions (L*W*H)	686mm * 584mm * 203mm
Capacity	60 L
Load Capacity	180 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle switch
Pump Capacity	19 L per minute
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 minutes
Certified	CE, NSF
Initial Fill	60 L



SW-25 SIGNATURE PARTS WASHER

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.



Nr.	1752921
Ref.	33329
Overall Dimensions (L*W*H)	1091mm * 737mm * 1016mm
Inside Sink Dimensions (L*W*H)	660mm * 432mm * 203mm
Capacity	100 L
Load Capacity	227 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle switch
Pump Capacity	19 L per minute
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 minutes
Certified	CE, NSF
Initial Fill	100 L

SW-28 SUPERSINK PARTS WASHER

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 brush allows two people to work at the same time. (optional two brush station)

Nr.	1752924
Ref.	33330
Overall Dimensions (L*W*H)	1194mm * 965mm * 1067mm
Inside Sink Dimensions (L*W*H)	1041 mm * 660mm * 203mm
Capacity	100 L
Load Capacity	227 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle switch
Pump Capacity	19 L per minute
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 minutes
Certified	CE, NSF
Initial Fill	100 L



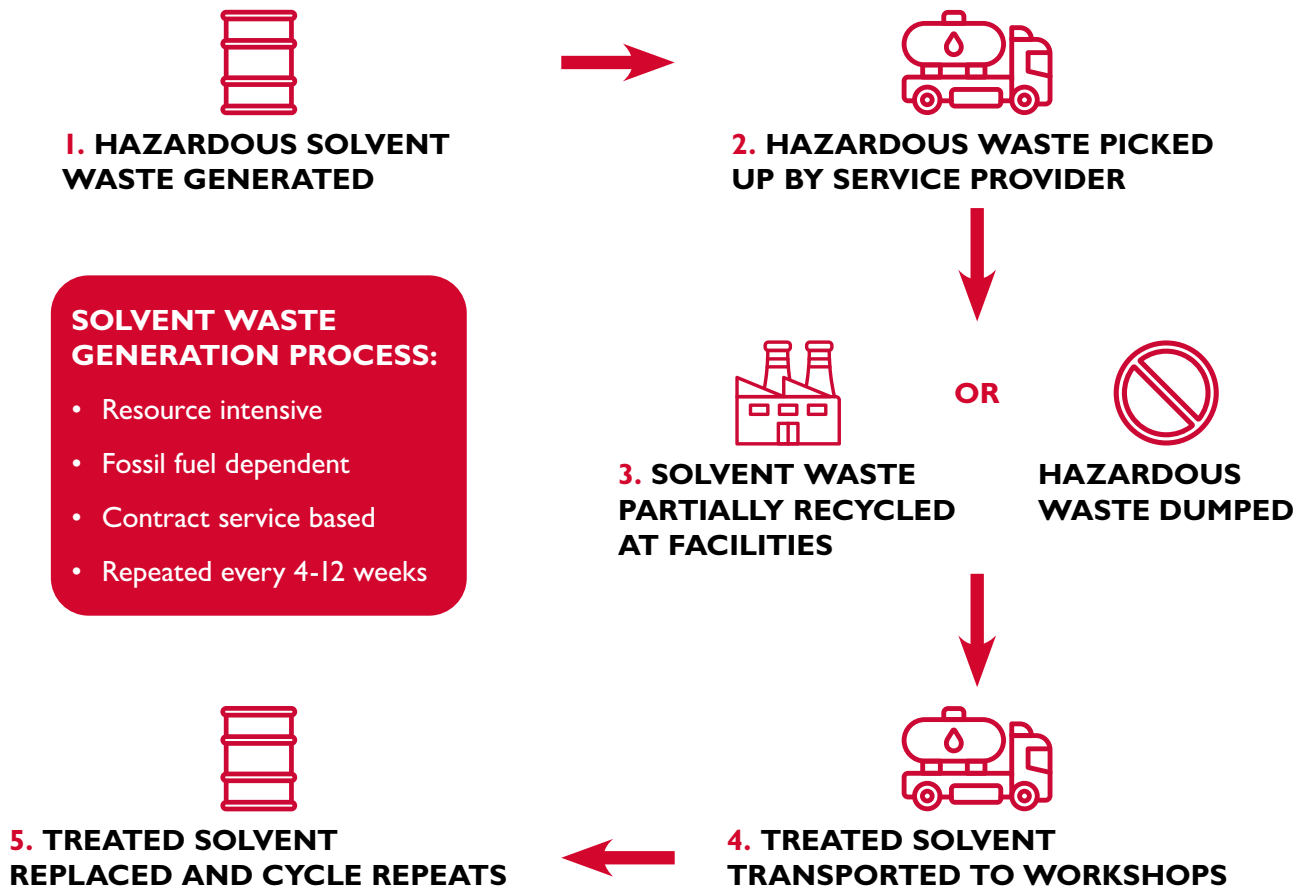
SW-37 MOBILE HEAVYWEIGHT PARTS WASHER

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 large and small parts.

Nr.	1753378
Ref.	33331
Overall Dimensions (L*W*H)	1219mm * 889mm * 1143mm
Inside Sink Dimensions (L*W*H)	838mm * 685mm * 203m
Capacity	100 L
Load Capacity	454 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle switch
Pump Capacity	19 L per minute
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 minutes
Certified	CE, NSF
Initial Fill	100 L



SMARTWASHER® = SAFER CLEANING



- Bioremediating
- Biodegradable
- Water-based
- Non-flammable
- Non-hazardous
- Non-polluting
- pH neutral



- Hazardous waste
- Increased liability
- Increased fire risk
- Spill safety risk
- Extensive PPE required
- Pollution control
- Extensive staff safety training required

OZZYJUICE® DEGREASING/CLEANING SOLUTION

WHAT IS OZZYJUICE®?

Ozzyjuice® is a powerful, aqueous-based degreasing/cleaning solution that is pH-neutral, non-irritating, non-flammable, and non-hazardous. Armed with superior cleaning capability, Ozzyjuice® solutions will match or surpass the performance of premium solvents without 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, creating the harmless by-products of carbon dioxide and water.

CLEAN OZZYJUICE® MEANS CLEAN PARTS.

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



AI

Acceptable for use as a general cleaner on all surfaces in and around food processing areas, where its use is not intended for direct food contact.

WHICH OZZYJUICE® IS RIGHT FOR THE APPLICATION?



OZZYJUICE DEGREASING/CLEANING SOLUTIONS	SW-3	SW-4	SW-6	SW-X1
Application	Truck Grade Degreasing Solution	Heavy Duty Degreasing Solution	Select Metals Degreasing Solution	High Performance Degreasing Solution
20 Litre Pail Nr.	1032075	1032762	1032078	1032675
20 Litre Pail Ref.	32948	33391	32949	33327
NSF AI	161215	165650	161319	165648
Motor Oil	Excellent	Excellent	Excellent	Superior
Bearing Grease	Excellent	Excellent	Good	Superior
Automotive Grease	Excellent	Excellent	Excellent	Superior
Animal Fat	Excellent	Excellent	Fair	Excellent
Burned-On Carbon	Good	Excellent	Good	Superior
Cutting Oils	Good	Good	Good	Superior
Ink/Toner	Fair	Good	Good	Good

*Some of the many contaminant types Ozzyjuice® will clean

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) blue 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 blue 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 the SmartWasher® tank, and break down oil and grease.



NUMBER	LEGACY #
1000512	32950



OZZY® MICROBES INSIDE
CHANGE THE OZZYMAT®
EVERY 30 DAYS

CHANGE THE OZZYMAT TO MAINTAIN CLEAN OZZYJUICE.
OZZY MICROBES KEEP THE OZZYJUICE CLEAN AND STRONG.
CLEAN OZZYJUICE MEANS CLEAN PARTS.

A calendar icon with a green header and white body, showing 'EVERY 30 DAYS'.

WHAT IS THE SMS REMINDER SERVICE?

CRC has developed a fully integrated SMS reminder platform that allows for End Users to sign-up via an online form to receive free monthly alerts to ensure OzzyMats are changed on time. This will ensure your CRC SmartWasher® is maintained correctly.

CONVENIENT MONTHLY REMINDERS

IMPROVED MACHINE MAINTENANCE

INCREASED CLEANING EFFICACY

OPT-OUT ANYTIME



FAQ'S

DOES WATER-BASED TECHNOLOGY WORK AS WELL AS SOLVENTS?

Using advanced chemistry, CRC has been able to replicate and, in many cases, improve on the current performance of solvents. You will be amazed by the performance of CRC's water-based formulas. Users all round the world are converting to SmartWasher with no regrets; the only regret is they didn't change sooner.

WE ALREADY HAVE A CLEANING SYSTEM...

Modern cleaning systems need to meet the "full" needs of your business. SmartWasher offers:

- Safe for users: non-flammable and no contact with harmful solvents
- A true sustainable cleaning system: the bioremediation process keeps the fluid clean and ready to use
- Better for the environment: no hazardous waste
- Less spending: eliminates hazardous waste removal contracts

I ALREADY HAVE A CLEANING CONTRACT WITH MY CURRENT PROVIDER...

We can assist you with looking at your current contracts, agreements and obligations to come up with a solution that benefits you.

NEXT STEPS...

- Risk free trial offering
- SDS's & product data sheets provided
- Training & literature provided
- Pricing & Distributor recommendations
- Machine & consumables recommendations
- Cost savings calculated

REQUEST YOUR FREE TRIAL

CRC has a trial program in place for customers interested in a CRC SmartWasher® and the opportunity to "try before you buy". The trial allows the user to install the unit, including fluids, specific to their application (profiled in advance) and use it for up to 14 days before being invoiced.





SmartWasher®
BIOREMEDIATING parts washing system

CRC INDUSTRIES EUROPE BV

Touwslagerstraat 1
9240 Zele - Belgium

SmartWasherEurope.com
SmartWasherEU@crcind.com