



# BCI Solutions Catalog

SOLUTIONS · PERFORMANCE · RESULTS · CORPORATE REBATE PROGRAMS



## Sanitation Compliance.

- ROUTINE ROUTE-SERVICE
- 24/7 EMERGENCY SERVICE
- ALL INCLUSIVE SANITATION PROGRAMS
- ADVANTAGE CLUB PRICING



**FLIGHT HD**  
HEAVY DUTY AUTOMATIC DISH MACHINE DETERGENT

CHEMICALS & DILUTION CONTROL



HOSPITALITY & HEALTHCARE INDUSTRIES



ADVANCED LAUNDRY SYSTEMS

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bcichem.com

2220 Eastman Ave. #112  
Ventura, California 93003



# BC INDUSTRIAL SERVICES LLC, CLEANING THROUGH CHEMISTRY

Established in 2006, BC Industrial Services LLC has a proven track record of helping our customers achieve and maintain a high level of cleanliness with cost-efficient sanitation solution programs. **"Cleaning Through Chemistry"** isn't just BCI's motto; **it's actually what we do.**



## BC Industrial Services, LLC

When cleaning processes are broken down into their most basic parts, the chemistry happening at a molecular level is what powers out soils, cleans and sanitizes. BC Industrial Services recognizes the importance of being your trusted sanitation supplier of choice. We offer custom-tailored product solutions your various departments require and depend on to efficiently clean and maintain a healthy, sanitary environment.



### BCI Professional

Your organization will benefit from Quality Products supported by uncompromising Professional Service. We take great pride in providing our customers with the highest quality products available on the market at a competitive price. Our customers will take comfort in knowing that these products come backed by BCI's professional services in all cleaning and sanitation applications. BCI Technicians have gathered extensive training and have a knowledge base that is required within this industry to provide professional service.



### Laundry Care

BCI Professional advanced laundry chemical formulations in combination with State-of-the-Art dispensing and specially-trained technicians provide our customers with superior laundry processing. BCI Professional's hyper-concentrated highly active formulations combined with superior quality surfactants provide excellent emulsification of soils. BCI chemicals are designed to excel in all water temperatures, soil conditions, and performance demands. BCI exhibits outstanding **One-Pass-Cleaning Performance** at low-end use cost.

## “Cleaning Through Chemistry”

It is our pleasure to serve the Hospitality and Healthcare marketplace by providing cost-effective product solutions and services to help safely clean, sanitize and maintain a healthy environment result.

When cleaning processes are broken down into their most basic parts, the chemistry happening at a molecular level is what powers out soils, cleans and sanitizes. BC Industrial's chemical concentrates are proportioned by way of dilution control systems equipment maintained by BCI trained experts and are designed to deliver One-Pass-Cleaning Performance. Your organization will benefit from BCI's comprehensive custom program chemical solutions supported by expert BCI trained service technicians.

“Cleaning Through Chemistry” isn't just BCI's motto; it's actually what we do.



### Route-Service Guarantee

- ✓ Hygienically Clean
- ✓ Training
- ✓ Maintain
- ✓ Enhance Image
- ✓ 24/7 Service
- ✓ Increase Revenue

- 1 ADVANCED LAUNDRY SYSTEMS**  
Hyper Concentrates, Water Smart®, Activated Oxygen & BCI Professional Laundry Brands.
- 2 CLEAN ENERGY TECHNOLOGIES**  
Water Smart®, Activated Oxygen, Ultra-Flush Systems & EarthSafe Technologies®.
- 3 CLEAN KITCHENS**  
BCI Professional Kitchen Chemical Solutions, Dilution Control & VeggieFresh Food Disinfectant.
- 4 COMMERCIAL DISHWASHERS**  
BCI Water Smart® Commercial Dishwashers, Sales, Leasing & Service.
- 5 COMMERCIAL DISHWASHER REPAIR**  
24/7 Emergency Repair, Routine Route-Service, Preventative Maintenance, Compliance Reporting,
- 6 SMART DISPENSING SYSTEMS**  
Complete Kitchen Solutions, Automatic Chemical Dispensing, Dilution Control & Electronic Reporting.
- 7 BREWERIES & WINERIES**  
The Benefits of Ozone as a Disinfection Tool.
- 8 HOUSEKEEPING**  
Chemical Dilution Control Dispensing Systems, Safer Choice & Green Seal Certified Products.





## Water Smart Technology

"We must envision it first for it to come to fruition." In today's industrial environment, with the very current drought California is facing, water consumption is on everyone's mind. BCI has taken this to heart and applied it to long-term water conservation within our product line and services. When you see the logo "Water Smart", know that the product it applies to is a water/energy conserving product. In cleaning applications such as Warewashing and Laundry, this could mean thousands of gallons of hot soft water saved per day.



## Route-Service Guarantee

- ✓ **Hygienically Clean:** Let BCI help your departments optimize deep cleaning and sanitation performance with our trusted products and guaranteed services.
- ✓ **Maintain:** Our "Quality Check Clean Assurance" audits provide regularly scheduled, documented service reports, ensuring the highest degree of quality control and sanitary requirements.
- ✓ **24/7 Service:** BCI will respond to any service call within 30 minutes and guarantee a service technician physically being at the account within maximum two hours after dispatch.
- ✓ **Training:** BCI will conduct on-site training classes. BCI provides training to your supervisors so that they can adequately train and supervise your employees in all aspects of chemical safety and proper cleaning and sanitation practices. Refresher courses are also available for supervisors upon request. Please be aware that supervisors are responsible for training your employees, and BC Industrial Services, LLC has no responsibility under this contract to train all of your employees. Additionally, proper chemical handling is extremely important! Eyewash stations must be available for your employees and they must be properly trained in their use.
- ✓ **Enhance Image:** Customers will take notice of your clean facilities, sparkling tableware, and bright white linens.
- ✓ **Increase Revenue:** BCI is dedicated to helping our customers maximize return business and control costs.



## United Fabric Supply, Inc.

Today, with over 155,000 square feet of facilities stocked with the most comprehensive product lines available, United Fabricare Supply has clearly established its position as the overall industry leader and our partner in reaching a vast customer base. Strategically aligned distribution points now allow BCI to reach all of Southern California, San Francisco, and Las Vegas, Nevada.



## Project Greenline

BCI is committed to going green clean with an emphasis on leaving a minimal negative impact to the environment. BCI's "Project Greenline", continues to add Green Programs like Water Smart, MicroTech, Green Seal, Design for the Environment and Readily Biodegradable to its portfolio.



## MicroTech™ Concentrates

"Consider the MicroTech Advantage". Water Smart MicroTech products are super concentrated and use no water to distribute. One case of two 1.5 gallon MicroTech replaces two 5 gallon pails requiring less storage space and features off-the-floor dispensing. Reduce your plastic waste by 80%. MicroTech products are formulated to excel in demanding conditions delivering outstanding One-Pass-Cleaning Performance.



## Closed Loop System

The patented Closed Loop System eliminates the chance for product overuse, spills, and splashes. Chemicals can only be dispensed when the dispensing safety cap is engaged.



## One-Pass-Cleaning Performance

BCI incorporates a combination of mechanical/chemical engineering service with an emphasis on going green wherever possible. We utilize the worlds available technologies in products and cleaning chemicals in combination with a high of service at the local level to provide our customers with effective, **One-Pass-Cleaning Performance**.



## Commercial Dishwashers: Sales, Leasing, Service and Repair

Dishwashers that are properly maintained will proficiently clean and sanitize flatware, glassware, dishes, utensils, and equipment. Regular maintenance will not only keep your equipment running efficiently, it will also save you time and money. BCI's professional factory trained technicians can effectively service any brand or model.

### BCI Top Picks WAREFORCE®



Glasswasher  
BCI Wareforce® UL30



Upright  
BCI Wareforce® I-E



Conveyor  
BCI Wareforce® 44



Flight-Type  
Jackson® LoH2O®

# ADVANCED LAUNDRY SYSTEMS

Hygienically Clean, white, soft, linens are what guests expect from their hotel experience. BCI's State of the art laundering technologies combined with hyper-concentrated chemical formulations deliver the highest quality results.



Superior quality surfactants, emulsifiers, and low-temperature oxidizers are designed to excel in all water conditions.



BCI Professional Brands



ADVANCED LAUNDRY SYSTEMS – BCI Professional Brands hyper-concentrated, highly active formulations provide excellent emulsification of soils in all water temperatures. BCI's advanced laundry chemical formulations, in combination with state-of-the-art dispensing and specially-trained technicians, provide our customers with both superior laundry processing while controlling costs.

## SMART DISPENSING Advanced & Unique Laundry Dosing Systems

BCI carries Brightwell Dispensers. Known for their one-of-a-kind advanced laundry dosing systems specifically for hard-working commercial environments. Easy-to-use, resilient and the most reliable systems on the market. They work with PCL-controlled machines, tunnel machines, card-reader machines, and small washer extractors, as well as large machines (both intelligent and non-intelligent) that take loads up to 100kg.

BCI supplies a full range of accessories to assist with installing your laundry dosing units. We also offer comprehensive technical training to all customers, if requested.



## PeroXzone™

### Commercial Laundry Detergent Plus Oxygen Bleach

For today's modern fabrics that require a quality detergent and a safe bleach agent. It's safe on all

whites and colorfast washable fabrics. PeroXzone removes oxidizable stains and helps prolong and brighten linens and garments. Even helps to revitalize the color of dull and faded fabrics, reduce linting and prevents tensile strength loss.





CLEAN THE GREEN WAY

CALL (800) 577-6202 x3

# WITH BCI PROFESSIONAL'S ADVANCED LAUNDRY SYSTEMS



EcoTex



## Ultra-Flush Systems

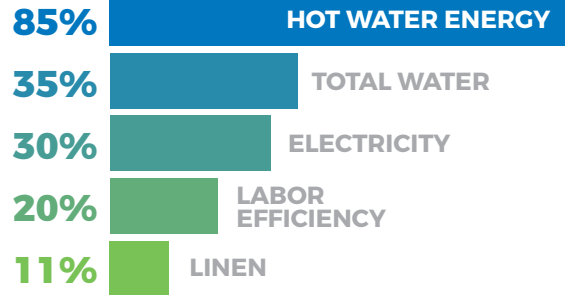
A WATER SMART® TECHNOLOGY



What if you could CUT COSTS and get CLEANER, SOFTER, WHITER LAUNDRY all while EXTENDING LINEN LIFE? ...You CAN—with BCI's energy-efficient laundry technology.



### On-Premise Laundry Facilities YOUR POTENTIAL SAVINGS...

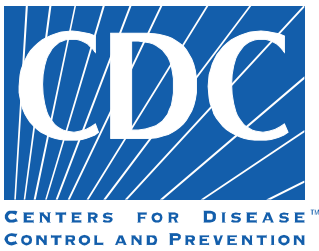


## FIND OUT EXACTLY HOW MUCH YOU'LL SAVE.

Call today and we'll do a FREE Cost Analysis Audit—value \$500—for your laundry facility. We'll tell you exactly how much you can save with BCI Professional's Advanced Laundry Systems. Why are we giving away this \$500 audit for FREE? We're so sure that we can save you money that we're willing to show you—at absolutely no cost to you.

**BOOK YOUR FREE COST ANALYSIS AUDIT TODAY AT (800) 577-6202 x3!**





## Ozone Laundry Systems Are **APPROVED**

A major concern is the compliance of using ozone in laundry cleaning systems in regards to healthcare regulation title 42.

As of January 25, 2013, agencies including the CDC, the Centers for Medicare & Medicaid Services, the Department of Health & Human Services and the Department of Healthcare Services formally recognized ozone's use in laundry sanitation as an acceptable method for processing laundry. CMS, Ref: S&C: 13-09-NH.

<https://www.cms.gov/Medicare/Provider-Enrollment-and-Certification/SurveyCertificationGen-Info/Downloads/Survey-and-Cert-Letter-13-09.pdf>



### Who are the agencies?

**CDC** – Center of Disease Control and Prevention (National). CDC creates recommendations and standards for other agencies to use, including CMS. Although CDC does not have any direct regulation authority, it does produce the standards followed by CMS.

**CMS** – Centers for Medicare & Medicaid Services (National). CMS is a federal agency that creates health care regulations for Title 42. Title 42 is the framework for all individuals providing medical care i.e. Hospital, Skilled Nursing Facilities.



**DHS or DHCS** – Department of Health Services or Department of Health Care Services (State). DHS/DHCS are the enforcement agencies within each state that ensures that standards set forth in title 42 are met. Each state can create its own variations or personalized standards. Please be sure to check with your local agency to assure no additional standards are in place.



### The Benefits of using BCI's ADVANCED Laundry System

- Save Money
- Better Results
- Ozone Disinfection
- Healthcare Compliance
- Whiter Whites
- Softer Linens
- Extended Linen Life
- Use Less Chemical
- Use Biodegradable Chemicals
- Use Less Water
- Use Less Energy
- Colder Water Washing
- Reduced Wash & Dry Time
- Save on Production Costs
- Reduces Total Environmental Impact
- Reduces Effluent Wastewater
- Gas Company Rebates Available

Find out how much YOU'LL SAVE CALL (800) 577-6202 x3







## Water Smart® Technology

Water is the most important part of the laundering process and a precious resource. Our advanced laundry programming in combination with hyperactive chemicals and quick-rinsing formulations uses 20% less water than typical laundry washing machine programming. When you see the logo “Water Smart” know that the system it applies to is a water/energy product.

## Activated Oxygen – Using Less & Receiving More



### This revolutionary laundering system is the talk of the town in On-Premise-Laundering.

Save money and get better performance in your commercial or industrial on-premise laundry with BCI’s exclusive Activated Oxygen Technology. The only true cold water catalyst powers out soils with Earth Safe Technology.

### Eliminate soil, disinfect, with less time washing, less drying, and less water – for whiter, softer loads.

The minute we install our systems you begin saving energy resources. Your laundry department will notice an instant whitening affect. Over time linens washed many times will retain the same whiteness as new ones. No more Zebra striping in linen par stock.

### **STANDARD** - BCI’s Laundry Water Smart® I - (Ultra-Flush Systems)

Laundry Water Smart® I uses BCI’s Proprietary Water Smart® cycle programing, free rinsing chemicals, and Ultra-Flush Systems to deliver unsurpassed Cleaning Performance while cutting laundering costs.

### **ADVANCED** - BCI’s Laundry Water Smart® II - (Ultra-Flush Systems + OZONE)

Laundry Water Smart® II includes Water Smart® I and the BCI Advanced Laundry System to deliver one of nature’s most powerful cleaning processes. These systems combined deliver the highest quality results while greatly reducing On-Premise Laundry Costs. Greenest Laundry Standard, Earth Safe Technology reduces GHG’s LEED compliant.

# CLEAN KITCHENS

Properly cleaned kitchens and facilities enhance image, promote brand loyalty and increase revenue. BCI specializes in the product service solutions our customers depend on to **provide clean kitchens** and a healthy environment.



VeggieFresh

FLIGHT HD  
HEAVY DUTY AUTOMATIC DISH MACHINE DETERGENT

## Enhance Image, Promote Brand Loyalty & Increase Revenue.

### Clean Kitchens Matter

Comprehensive sanitation chemical program systems and the people who use them must be able to **safely clean, sanitize and maintain** hygienic kitchen facilities.



**FLIGHT HD**  
HEAVY DUTY AUTOMATIC DISH MACHINE DETERGENT

### Automated Detergent for Heavy Duty Applications

BC Industrial's "Flight HD" detergent is formulated to excel in high product on flight type dishmachines. Flight HD delivers **One-Pass-Cleaning-Performance** with a combination of **Low Foaming, High Detergency, Chlorinated Chemistries**. Scale inhibitors and grease cutting ingredients handle challenging water conditions. **4/8 lbs. per case 32 lbs.!!**



**BCI** Complete Kitchen Solutions.

**Dishwasher**  
Smart Dispensing  
Detergent, Rinse  
& Sanitizer



**Pot & Pan**  
Detergent & Sanitizer  
Dilution Control  
for 3 Bay Sinks

**VeggieFresh**  
Activated-Oxygen for that  
Added Measure of Food Safety



**Safe Dispensing**



**CL**  
CLOSED LOOP



**Flatware Presoak**  
Detarnish Silverware  
Dilution Control



**Dilution Control**  
Floor Cleaning, Sanitizing  
& Degreasing



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## Dilution Control

BCI's Closed Loop systems prevent the possibility of overusing chemicals because they allow for chemicals to be **dispensed only with precision chemistry**. Custom-tailored to your operations, our system **ensures maximum efficiency** by eliminating the kinds of spills and splashes associated with other systems during product changeover. This has the added benefit of keeping your employees safe by taking the danger out of preparing laundry chemicals.



**CL**  
CLOSED LOOP

## SMART DISPENSING - DISHWASH DOSING







# Complete Kitchen Solutions.

**Dishwasher**  
Smart Dispensing  
Detergent, Rinse  
& Sanitizer



**Pot & Detergent Dilution**  
for 3 B



**Safe Dispensing**



**CL**  
CLOSED LOOP



**P**  
**D**  
**D**

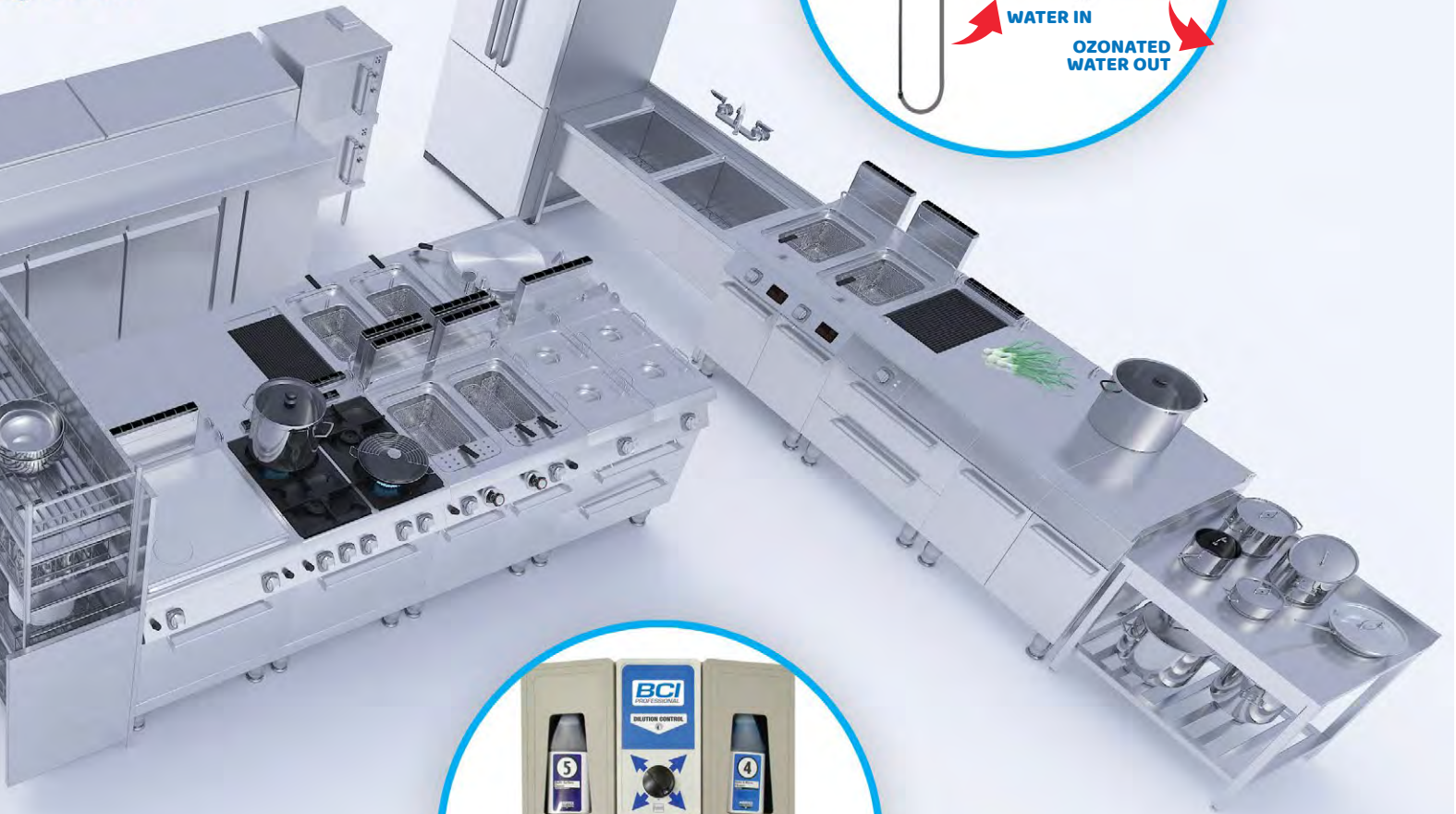


## VeggieFresh

Activated-Oxygen for that  
Added Measure of Food Safety



**Pan**  
Agent & Sanitizer  
Control  
Day Sinks



**Flatware Presoak**  
Determish Silverware  
Dilution Control



**Dilution Control**  
Floor Cleaning, Sanitizing  
& Degreasing



SOLUTIONS • PERFORMANCE • RESULTS • CORPORATE REBATE PROGRAMS

# COMMERCIAL DISHWASHERS

SALES • LEASING • SERVICE • REPAIR

**BCI Commercial Dishwasher sales, leasing, and extended warranty offerings** are the most comprehensive in the industry. Keep machinery cleaning efficiently and in compliance with BCI's Quality Assurance Clean Check guarantee services.



## BCI Water Smart® Commercial Dishwashers

Come to experience BCI's Exclusive offerings of **low-water, energy-efficient ENERGY STAR® dishmachines**. Engineered to deliver results and **backed by professional service**. Choose from **BCI's Top Picks** or browse our complete line of **Glass Washers, Upright Washers, Conveyor Washers and Flight-Type Washers** for your **restaurant or commercial applications**.



### BCI's TOP PICKS

#### Glasswasher: BCI Wareforce® UL30H

Powerful undercounter dishwasher with automatic pumped drain for floor and wall drain installations. The BCI Wareforce UL30H uses 1.2 gallons per rack, 28.8 gallons per hour and **cleans 24 racks per hour**.



#### Upright: BCI Wareforce® I-E

Constructed of durable stainless steel, the BCI Wareforce® I-E uses only 1.02 gallons of water per rack with each cycle and **cleans 39 racks per hour**. It's a robust workhorse, built with field convertibility from corner to straight-through, built-in chemical pumps and priming switches, a stainless steel self-draining pump and a low product indicator light.



#### Conveyor: BCI Wareforce® 44

Save more with the BCI Wareforce® 44 Conveyor's Energy Recovery System, repurposing capturing exhaust heat to warm incoming cold water as it enters the booster heater. The "free" heat passed through the heat exchanger elevates ground temperature water to 110°F, which reduces overall energy consumption; **saving thousands of dollars in water consumption**.



#### Flight-Type: Jackson® LoH2O®

Go beyond basic with the Jackson® LoH2O® Flight-Type, using just 58 gallons of water per rack to **clean up to 11,094 dishes per hour!** It's heavy gauge stainless steel construction and low water consumption make it the definition of heavy-duty, yet it demonstrates flexibility and accessibility in its construction and superior design.





# COMMERCIAL DISHWASHER REPAIR



## 24/7 EMERGENCY SERVICE • ROUTINE ROUTE-SERVICE

Our Quality Check Clean Assurance Guarantee provides our customers with **24/7 Emergency Support Services** on top of our **Regularly Scheduled Monthly Maintenance**, performed by highly trained BCI Technicians.

## Commercial Dishwasher Repair Services

**BCI Leased Equipment will be serviced and repaired by an authorized BCI representative at no charge to the customer.** Customer equipment repairs, troubleshooting, and service is offered by BCI and will be bid upon by BCI on a case by case basis. Upon approval by said customer of any bid/quote repair jobs, BCI assumes all costs associated with troubleshooting customer equipment, researching parts, preparing Bid/Quotes and a three-month warranty of all parts installed by BCI.

### ✓ **24/7 Emergency Service:**

BCI will respond to any call within 30 minutes and guarantee a service technician physically being at the account within maximum two hours after dispatch.

### **BC Industrial Services Quality Check Clean Assurance Guarantee:**

Under this **Quality Check Clean Assurance Guarantee** BCI representatives will perform regularly scheduled route preventative maintenance calls every month and guarantee 24/7 Emergency Service. Preventative maintenance ensures proper hygiene **One-Pass-Cleaning Performance** of chemical formulations and sanitation equipment systems.

### ✓ **Routine Route-Service:**

On each scheduled call, a BCI Technician will **check the overall performance of sanitation equipment and cleaning practices** of all pertinent departments. Other facets of the customer plant operations and equipment related to cleaning and sanitizing will also be checked for proper operation and condition to ensure performance reliability (this includes Engineering, Maintenance, and General Plant Operations).

### ✓ **Reporting:**

A qualified BCI representative will complete an electronic service report corresponding to that particular Quality Check Clean Assurance Service. This report will be stored on the BCI iNET server (Integrated Networking Technology) for customer viewing and/or BCI will email reports directly to those parties who wish to receive them on a regular basis.

### ✓ **In-Service Training:**

BCI will conduct on-site training classes. BCI provides training to your supervisors so that they can adequately train and supervise your employees in all aspects of chemical safety, proper cleaning and sanitation practices. Refresher courses are also available for supervisors upon request. Please be aware that supervisors are responsible for training your employees and BC Industrial Services, LLC has no responsibility under this contract to train all of your employees. Additionally, proper chemical handling is extremely important! Eyewash stations must be available for your employees and they must be properly trained in their use.

## SMART DISPENSING – DISHWASH DOSING

Commercial kitchens are busy and demanding environments. With the number of people dining out increasing, good cleaning results are paramount. BCI offers Brightwell Dispensers reliable and efficient dishwash dosing systems meet the demands of commercial kitchens and help to ensure good dishwashing results.

Our dishwash dosing range provides precise dosing and can be used for a wide variety of commercial dishwashers including glass, under-the-counter, single-tank and tunnel.

We also offer comprehensive technical training to all customers, if requested.

### Quantura Dishwash Dosing Systems



- » Class-leading compact technology
- » Contemporary, innovative, high-tech designs to meet the demands of today's commercial dishwashing environments
- » Packed with premium features, flexible solutions and competitively priced to suit every budget
- » High quality, reliable system design
- » Easy installation and operation

### Quantura 300S Dishwash Dosing System

The Quantura 300s Dishwash Dosing system consists of Quantura 200s with a third, additional peristaltic pump for dosing sanitizer\*.

### QUANTURA 300S

- » Easy to install and set up
- » LCD screen with full text in 9 languages
- » Maintains a super low flow
- » Brushless DC motors
- » Super low flow rates
- » One system, 3 modes: Probe, Probeless, & Probeless Tunnel
- » Option to use a secure access code

\*The third pump is only compatible with Quantura 200S

## Custom Cleaning Solutions Tailored to Customer's Unique Needs.

All things are not the same when it comes to a customer's needs for cleaning and sanitizing. Location, soil load and clientele vary. We will custom tailor a cleaning and sanitizing program to each job application. Clean and sanitize with precision and accuracy – and **save more money** – with BCI's chemical dilution control systems.



## Industrial Biodegradable Chemical Formulations

BCI is a dedicated environmental stewardship to Southern California. We believe in green initiatives that support healthy living and environmental friendliness. "Project Greenline" encompasses our portfolio of sustainable technologies: **Water Smart®, MicroTech, Earth Safe, Green Seal, Safer Choice**, minimize our impact on the environment while providing **superior cleaning power**.



## VeggieFresh



## VEGGIEFRESH ACTIVATED OXYGEN FOR DISINFECTING FOOD AND SURFACES.

### Cleaning Food the Safe Organic Way

VeggieFresh Ozone can replace traditional sanitizing agents such as chlorine, and provide other benefits in the washing and storage of food products.

VeggieFresh operates with your faucet and sink. It automatically turns on when the water flows, infusing ozone into your cold rinse water. Rinsing your food products with **ozonated water adds another dimension of safety** to your food preparation process.



## Ozone is nature's strongest commercially available disinfectant.

It is a safe oxidizing agent that is stronger and reacts more quickly than chlorine, and allows for adequate sanitation with short-term contact to the food. Since the FDA's approval of ozone as an anti-microbial agent in 2001, ozone sanitation systems have been widely accepted as an effective means to improve food safety and quality.

### VeggieFresh Features

- » Ozone output: 300 mg/hr
- » Inlet pressure: 40-100 PSI
- » Power: 120v and 240v
- » ORP built-in
- » Simple installation and access for servicing
- » Inlet/outlet manifold constructed of schedule 80 PVC
- » Custom designed PCB to control ozone, indicator lamps, LEOs, and track time to service
- » Flow switch to sense water flow
- » Stainless steel construction built for commercial restaurant environment

### Applications

- » Fruit & vegetable rinse systems
- » Surface sanitation
- » Seafood processing
- » Butcher blocks
- » Hand wash
- » Wash cloth rinse
- » Food processing
- » Meat processing
- » Poultry processing
- » Package sanitation

# VeggieFresh



- » Process water purification
- » Leak detection with audible alarm and service light
- » Service light illuminates after predetermined number of hours of operation
- » Lamp on front cover for Power on (green), Ozone on (blue), Service Required (red)
- » Easy visual monitoring of system's functionality
- » Water by-pass plumbing manifold for quick and easy product swap out for fast in-kitchen service

### Benefits

- » Real-time proof of delivery
- » Improves food safety and quality control
- » Produced on site, nothing to store or transport
- » Can extend shelf life
- » Organic and sustainable

# Ozone as an Added Protection in Food Processing Chain

July 20, 2017 • By Bruce Hinkle

**Every step from farm to fork is fraught with the danger of contamination.** Although more is known about the risks of contamination in the food chain from production to plating than ever before, food safety practices have struggled to keep up.

The fact is that chlorine-based chemical sterilization procedures cannot protect food products from all risks, as emerging pathogens demonstrate increasing resistance to customary concentrations of chlorine-based food safety systems.

## Ozonated Water to the Rescue

America's largest farm operations, food animal processors, restaurants, grocery stores, wineries, and breweries are all **utilizing ozone technology in their day-to-day food safety protocols**, achieving almost complete sterilization of bacterial, fungal, viral, and even prion contaminants. Aqueous ozone achieves between 99.99 percent to 99.9999 percent sterilization of food products contaminated by disease causing pathogens, essentially, on contact.

When swimmers in Malibu became ill because of waterborne pathogens from septic tank effluent, **ozone helped solve the bacterial contamination problem.** When a pharmaceutical facility had to shut down because of tenacious biofilm contamination, ozonated water was the solution. Ozonated water technology has solved many other pathogenic and chemical pesticide contamination issues in various industries. Interestingly, disinfection of food products at every stage of the farm-to-fork process presents greater challenges than the problems presented by contamination in these controlled industrial environments as there are simply more food safety variables at play.

## Real-World Users

**Familiar brand names**, such as Whole Foods, The Cheesecake Factory, Kanaloa Seafood, Frank Family Vineyards, Coca-Cola, Sierra Nevada Brewing Co., Halpern's Meats and Seafood, and Fresh Direct, are successfully utilizing aqueous **ozone technology to accomplish high levels of food safety.**

**Companies turn to ozonated water to assure protection of their valuable brands.** The Cheesecake Factory has stated in its 2016 annual report "We utilize ozone cleaning systems for certain ingredients in approximately one-half of our prep kitchens, and plan to further roll out this program in order to provide an effective 'green' sanitizing method that is consistent with our sustainability goals."

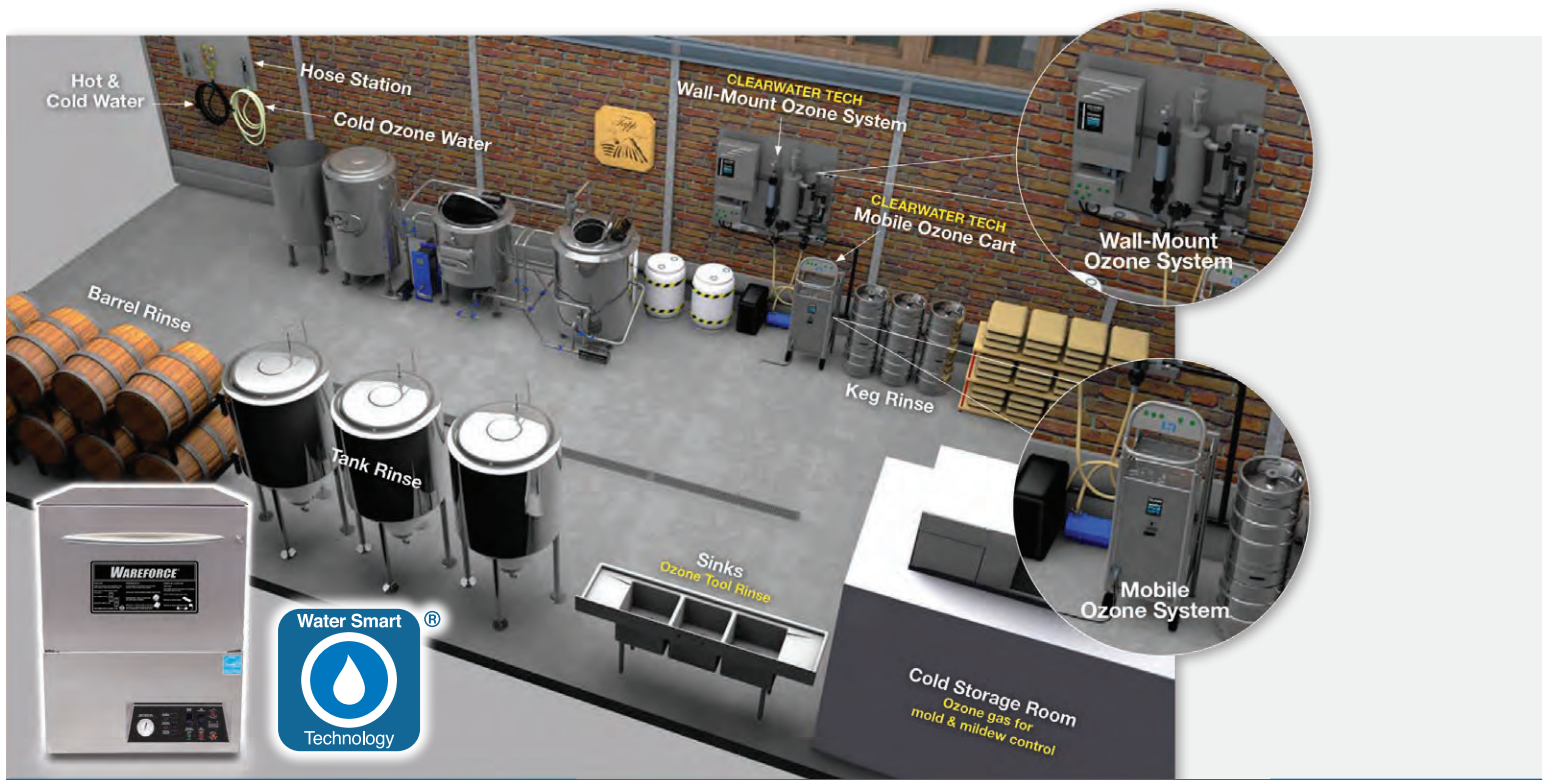
Dr. Al Baroudi, PhD, CFS, VP, QA, and The Cheesecake Factory's food safety guru, reports, "**By killing bacteria on contact, ozonated water disinfection provides the extra needed protection against a cross-contamination event or a deadly E. coli outbreak.**" Bruno Serato, award-winning chef, and owner of the Anaheim Whitehouse restaurant, installed an ozonated water system in his kitchen and catering facilities. Chef Bruno says, "My ozonated water system is my added insurance policy. Every year there are millions of cases of foodborne illness hospitalizations and deaths due to foodborne bacteria. Ozonated water should be mandatory equipment on food service."

**Whole Foods has also endorsed the use of ozonated water going forward**, as it has been utilizing the technology in its stores since 2006.

## The Benefits

**Ozonated water is a cold-water disinfection agent.** Currently, chlorine chemical cleaning processes require expensive hot water, and consumes valuable storage space for the chemicals and rinsing solutions. Use of chlorine-based sanitizing systems require frequent deliveries, dedicated storage space, and the training and tasking of employees on how to measure and mix proper proportions of chemical cleaning agents.

To finish reading this article, check out: <https://bit.ly/2nULfB6>



# BREWERIES & WINERIES

The benefits of **ozone** as a **disinfection tool**.

WINERY, BREWERY & CIDERY PRODUCTION FACILITY

## Ozone Solutions

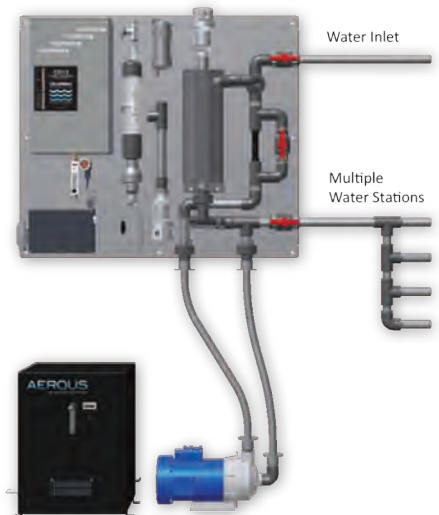
Fermentation professionals understand the benefits of ozone as a disinfection tool and safe organic solution that can replace traditional or harsh disinfection products.

**Ozone is an organic disinfectant used in the winery, brewery, and cidery that produces a more desirable product through the control of bacteria, molds, and other microbes.**

Wash down walls, floors, equipment, transfer lines, fermentation tanks, rinse barrels, bottles, and use for well-water treatment with just the push of a button, and be assured that you'll receive the ozone you need to get the job done. ClearWater Tech offers a unique family of affordable stationary and mobile ozone systems that provide disinfection from the start-up, to the largest commercial facility.

### Clean-in-Place (CIP) Ozone Systems

The CIP systems are easy to install, wall-mounted systems that provide ozone enriched water for clean-in-place and surface disinfection applications for your winery, brewery, or cidery facility. They range in size, and include all the necessary peripheral components for proper operation. They are designed to make ordering the correctly sized and designed package, as simple as possible.



CIP800 Panel Mounted



## Applications

Final rinse/surface disinfection of:

- » Barrels
- » Tanks
- » Bottling equipment
- » Walls/floors
- » Transfer lines
- » Drains
- » Pumps
- » Apple washing
- » Process equipment
- » Barrel, tank gassing, and preservation

- » Micro-oxy source (replacement of oxygen tank)
- » Environmental disinfection with ozone gassing to control airborne contaminants

## Features

- » Ozone generator
- » Air preparation
- » Controls
- » Backflow prevention
- » Ozone injection system

## C-Series Mobile Disinfection Carts



BOTTLING EQUIPMENT



PROCESSING EQUIPMENT



TANK WASHING



BARREL WASHING



ALL SURFACE CLEANING

The C-Series Mobile Disinfection Carts deliver ozone-enriched cold water for winery brewery, and cidery applications. Powerful, effective, well-designed, reliable, and easy to maneuver, the cart replaces traditional hot water and harsh chemical surface disinfection, and provides safe disinfection on contact.

## Features

- » Easy to use push button controls – full system monitoring indicators
- » Microprocessor controlled ozone system with built-in soft start and self-diagnostics
- » Rotary vane booster pump – boosts low pressure water supplies for better coverage
- » Ozone production up to 18 grams per hour
- » Typical ozone dosage rate is 8.0 ppm at 10 gpm (higher flow with side stream)
- » Separately controlled ozone and oxygen gas outlet – User programmable
- » Built-in oxygen concentrator delivering 93% oxygen at 15 SCFH
- » Welded stainless steel tubing frame and water safe stainless exterior
- » Built-in tool basket
- » Designed for easy service access or maintenance
- » Critical parts are fully-contained for water safe operation
- » Designed with low center of gravity, well-balanced, and a small footprint



C1 Mobile Disinfection Cart  
NOTE: Hose and wash gun optional

# HOUSEKEEPING



If you're looking for **biodegradable janitorial chemical** and **housekeeping chemical products**, BCI specializes in time-tested **green cleaning solutions** for the **healthcare** and **hospitality industry**. In fact, **we guarantee a better clean.**

**Our “Quality Check Clean Assurance Guarantee” audits ensure you maintain accountability and compliance with all your sanitation requirements.**



## Clean, Green and Biodegradable Products

BCI is an industry leader in sustainability – our strong commitment to environmental stewardship shows through in everything we do. Our “Project Greenline” focuses on green programs like Water Smart®, MicroTech, Green Seal, Design for the Environment, and Readily Biodegradable—all designed to minimize both our negative impact on the environment and yours.



## Custom Dilution Control

Our Closed Loop systems prevent staff from overusing chemicals and ensures maximum efficiency by eliminating spills and splashes during product change-over. Control costs and improve accuracy and precision with BCI's chemical dilution control system, custom-tailored for your company and your operations. Remove the guesswork from chemical mixing—and improve employee safety—by leaving the mixing to us.

# WITH BCI PROFESSIONAL'S DILUTION CONTROL DISPENSING SYSTEMS

## Chemical Dispensing Made Easy

### BCI Professional Dilution Control Dispensing System with Cabinet

The newly designed BCI Professional Dilution Control Dispensing System offers a sturdy constructed cabinet and maintenance free dispensing. Dilution Control features 25 different products including 4 Green Seal and 6 Safer Choice formulations. Worrying about over or under diluting is in the past, the tip in bottle design delivers exact product dilutions. This flexible system is designed to meet all your cleaning needs delivering value priced ready-to-use chemicals.



**Model MX-DS  
Dilution Control  
Cabinet**

#### Features:

##### Safety

- Worker safety - Tamper proof bottles eliminate chemical contact
- Locking cabinet insures a safe environment
- Color coded and numbered products with secondary bottles and labels for easy training
- Built-in air-gap backflow preventer

##### Product Performance

- Concentrated effective products meet the most difficult cleaning challenges
- Accurate dilutions - Metering tips in each bottle
- Precise and product tested dilutions

##### Flexible

- Pick products to meet your needs
- Available with wall mounted or PortaFill options
- Compact design for small custodial closets



Bucket fill is made easy

Fast and easy equipment fill

Convenient and safe bottle fill

#### Markets

- Hospitality
- Healthcare
- Sanitation
- Food Service
- Education
- Office Buildings
- Casinos
- Fitness Clubs
- Industrial Facilities
- Municipalities
- Transportation
- Retail Environments

## FIND OUT EXACTLY HOW MUCH YOU'LL SAVE.

Call today and we'll do a **FREE Cost Analysis Audit** for your facility.

We'll tell you exactly how much you can save with BCI Professional's Dilution Control Dispensing Systems.

**BOOK YOUR FREE COST ANALYSIS AUDIT TODAY AT (800) 577-6202 x3!**



# BC Industrial Services – Your Hygiene Partner.

**Better serve your guests with a trusted Hygiene Partner** in Cleaning Solutions, Performance and Results. **Cleanliness Matters**, at BCI we embrace the fact that a high degree of cleanliness contributes significantly to overall customers **Guest Satisfaction, Brand Perception** and **Loyalty**.



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**TOLL FREE: (800) 577-6202**

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**PHONE: (805) 650-1014**

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