Presenting the next generation of ozone laundry technology. Engineered and built in the United States specifically for commercial laundry applications, the Ecowash system offers a user-friendly logic control panel, ambient ozone controller, plasma cell technology and much more. The Ecowash system has proven to clean and disinfect in cold water at multiple independent laboratories, several notable installations and dozens of case studies.

Traditional laundry processes use hot water to provide thermal disinfection and aid in chemical activation. Ecowash ozone laundry equipment achieves these objectives using cold water and goes beyond the traditional laundry process by eliminating and shortening cycles. This means savings of up to 50% on laundry expenses through energy reduction, water conservation and extended linen life. The Ozone Company’s proven ability to deliver savings with the highest quality ozone laundry equipment makes Ecowash a wise choice.

**GREEN BENEFITS**
- Reduced Energy
- Reduced Water
- Reduced Chemical
- Extended Linen Life
- Superior Sanitation
- Kills Superbugs
- Reduced Effluent Waste Water
- Reduced Carbon Footprint
- Return on Investment
  - Simple Payback

**SAVINGS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOT WATER</td>
<td>15-55%</td>
<td></td>
</tr>
<tr>
<td>CHEMICALS</td>
<td>40-100%</td>
<td></td>
</tr>
<tr>
<td>LINEN</td>
<td>20-40%</td>
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<tr>
<td>TOTAL WATER</td>
<td>20-35%</td>
<td></td>
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<tr>
<td>LAUNDRY</td>
<td>20-30%</td>
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<tr>
<td>DRYER ENERGY</td>
<td>15-30%</td>
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</tbody>
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**KEY HIGHLIGHTS**
- Light Aluminum Enclosure
- Plasma Electrolytic Ozone Cells
- Proprietary Logic Processing Boards
- Fully Adjustable Oxygen Output
- LED User Interface Panel
- Advanced Oxygen System
- Meets Government Standards
- Clinically Tested and Proven
Oxygen (O\textsubscript{2}) is dried and concentrated to 95% pure O\textsubscript{2}.

1. Oxygen (O\textsubscript{2}) is dried and concentrated to 95% pure O\textsubscript{2}.
2. O\textsubscript{3} is fed into plasma Ozone cells.
3. Strong ozone (O\textsubscript{3}) gas is produced and sent to the washer.
4. Ozone is dissolved into the wash basin throughout the entire wash cycle.
5. O\textsubscript{3} oxidizes soils and eliminates microbes in the linen.
6. The results are clean, sanitized and soft linen using less energy.

PLASMA CELLS

As the evolution of ozone technology continues, The Ozone Company does too. Ecowash incorporates the latest in ozone cell technology, plasma. Plasma cells use less energy and produce higher concentrations of ozone with less maintenance. By using plasma technology, The Ozone Company has taken the industry to a whole new level, creating the world’s best ozone laundry system.

OXYGEN CONCENTRATOR

The advanced oxygen generation system used by The Ozone Company supplies 95% pure oxygen to the plasma cells in the Ecowash ozone generator. Clean, reliable on-demand oxygen allows production of the purest ozone gas.

HOW ECOwash WORKS

The Ozone Company’s advanced oxygen concentrator sends 95% pure oxygen to the Ecowash ozone generator. Strong ozone gas is produced from the plasma cells inside the Ecowash system and continuously injects ozone into the wash water throughout the entire wash process.

THE ECOwash SYSTEM

The Ecowash ozone laundry system installs in only a few hours with four main components. The ozone generator contains the plasma cells and logic control boards, an oxygen concentrator that generates 95% pure oxygen, an ambient ozone controller for safety and the proprietary injection nozzle.

AMBIENT OZONE CONTROLLER

Safety is The Ozone Company’s number one concern. Every Ecowash system includes an ambient ozone controller that continuously monitors the facility for ambient ozone. In the unlikely event ozone is detected above OSHA limits, the controller temporarily shuts off the Ecowash system until ambient ozone returns to a safe level.

INJECTION NOZZLE

Designed and machined by The Ozone Company specifically for its Ecowash ozone laundry injection system. This proprietary micro-submersible venturi uses the Bernoulli principle to effectively dissolve ozone gas continuously into the wash water.
Ozone Biocidal Behavior

2. Ozone oxidizes cell membrane, causing osmotic bursting and continues to oxidize enzymes and DNA.

Shared Savings Program

With Shared Savings from The Ozone Company, you can purchase equipment, save money and conserve energy – all with little to no up-front capital investment. The Ozone Company’s professional dealer network will help you identify, finance and carry out energy improvement projects for your business with ozone technology – and you will not pay for the initial cost of qualified ozone equipment.

You repay a predetermined amount each month over a contract term – typically five years. Your energy bills are reduced as a result of the energy savings. After the balance is paid off, you retain full energy savings, reducing your expenditures and maximizing your bottom line for years to come.

Proven Savings by Year

A Wisconsin based lodging facility’s utility expenses over a 10 year span:

<table>
<thead>
<tr>
<th>Year</th>
<th>Original Utility Expenses</th>
<th>New Utility Expenses</th>
<th>Annual Payments During Term</th>
<th>Annual Savings During Term</th>
<th>Annual Savings After Term</th>
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<tbody>
<tr>
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Immediate Benefits

With The Ozone Company’s Shared Savings Program, your business can acquire their energy-efficient ozone equipment while maintaining a positive cash flow.

1. Grow your bottom line through energy cost savings
2. Improve productivity and product quality
3. Reduce your environmental impact through reduction in carbon footprint and effluent waste water
4. Invest with little to no risk in The Ozone Company’s quality ozone technologies
5. Make capital available to invest in other areas of your business

Feel confident in working with one of the largest ozone technology companies in the nation, saving you money and natural resources with ozone technology.

For further product information and to receive a FREE savings analysis, contact us at:
The Ozone Company
183 W. Main St
Stoughton, WI 53589
888.437.4403
info@theozonecompany.com

Soil Oxidation Rating (SOR)

Soil Oxidation Rating is based on a 0 – 100 point system, 100 points means 100% of soils are oxidized. This test looked at the oxidation potential of different ozone systems against ten typical soils found on linens and garments. Ecowash’s soil oxidation rating is equivalent to washing in a traditional hot water wash cycle.

Fiber Relaxation

As an oxidizer, like chlorine-bleach, ozone opens and relaxes linen fibers to pull soils from the linen. Unlike bleach, ozone does not damage or degrade linens. Studies show, with Ecowash, the linen is relaxed enough on the last wash step to help remove more chemical and water which will reduce dry times.

CT Values

CT Values are the multiplication of ozone concentration and contact time (Concentration x Time). Every microbe on Earth has a point at which it can be destroyed and eliminated by ozone. CT Values are used to find the destruction point of a particular microbe. Bacteria and viruses cannot develop resistance to ozone because ozone destroys the microbe’s cell structure by a process known as lysis. Ecowash produces an extremely high CT value providing the best protection against harmful superbugs, keeping personnel and customers safe.

Ozone Bicidal Behavior

1. Close up of linen fibers without ozone.
2. Close up of linen fibers with ozone.

Clinically Proven to Clean and Disinfect

Linens, garments and rags are washed for two main reasons: to clean and to disinfect. During the research and development of the Ecowash ozone laundry system, the goal was to find the best solution to achieve the goals of cleaning and disinfection by using ozone. Two independent laboratories performed oxidation tests to find the best way to oxidize soils from linen. They also conducted disinfection tests to find the best way to eliminate microbes during the wash process. Two key metrics were studied during the testing: Soil Oxidation Rating and CT Value.