

HELPING YOU DO **NO HARM**



APPROVED
TECHNOLOGY



PATENTED

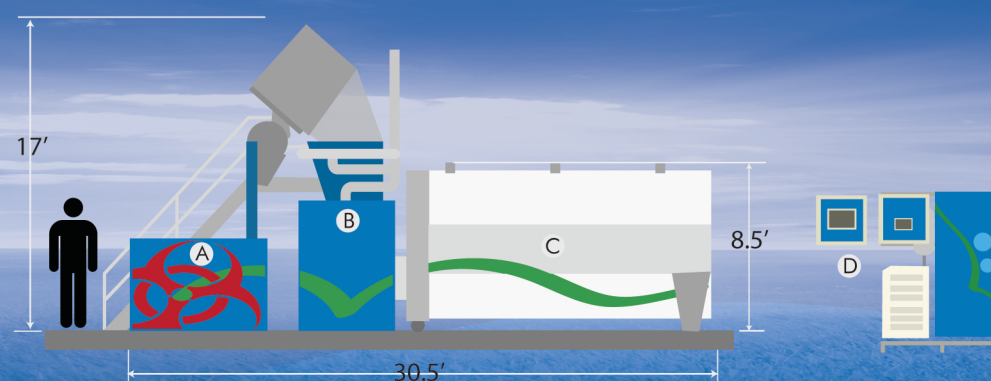
Clean Waste Systems OMW-1000

OZONE MEDICAL WASTE SYSTEM

- Easy to install
- Easy to operate
- Easy to own - flexible acquisition options
- Safe for the environment
- Safe for the community
- Safer and cleaner operation for employees
- Greatly reduced handling
- Volume reduction up to 90%
- Simple operation - no specialized training

The system

A. Bin/Loading system. B. Shredding system. C. Treatment/Transfer container. D. Ozone generator / Control system



IS YOUR WASTE PLAN

REALLY DOING

NO HARM?

Facility Managers and Executives

In addition to providing immediate cost savings and improved employee safety, the Clean Waste Systems OMW-1000 greatly enhances your organization's sustainability initiatives. This environmental leadership also creates a positive public image that is recognized by environmental groups, local communities and the media. If you are currently using a hauling service, do you know if they are using sustainable methods?

Technology Comparison

	OMW-1000	Incineration	Autoclave	Chemical	Microwave	Other Ozone
Energy used	very low ✓	high	high	med	high	med
Ease of operation	high ✓	low	low	low	low	med
Safety	high ✓	low	low	low	low	high
Cost of operation	low ✓	high	high	high	high	med
Environmental impact	low ✓	high	high	high	high	low
Odor	no ✓	yes	yes	yes	yes	no
Process	continuous ✓	batch/cont.	batch/cont.	batch	continuous	batch
Effluent	none ✓	none	yes	yes	none	yes

A company with a mission.

Clean Waste Systems is a privately held company headquartered in Fargo North Dakota and is the designer, manufacturer, parts and service company for the OMW-1000 Medical Waste Processing System in the United States and foreign markets. Clean Waste Systems specializes in the design and development of ozone-based technologies using Humidizone™ for its sterilization and sanitation processes. The Clean Waste Systems OMW-1000 is the latest design in new technology for waste treatment related to the medical industry. This system is a stand-alone system using "patented" technology to provide complete sterilization of bio-hazardous waste with zero emissions and low energy usage. Clean Waste Systems provides marketing, sales, installation and service maintenance contracts for products sold in the United States. And manufacture support for its international distributors. Our mission is to be the premier professional provider of innovative technologies that assists the healthcare industry in meeting their goals of sustainability and safety.

CleanWasteSystems.Com 877-478-5195

3535 Plymouth Blvd. • Suite 112 • Minneapolis, MN 55447 • USA



**we have a
PROBLEM**



The use of Incineration and autoclaves in the treatment of medical waste does not allow health care providers to fulfill the medical ethic to "first do no harm." It is their responsibility to manage medical waste in ways that help protect the public and the environment.

The growing awareness of increasing waste output and the negative effects on the environment is resulting in unmatched efforts and legislation to curb this problem. At the top of this list will be the reduction in pollutants

caused by the processing of bio-hazardous waste.

In the United States alone, almost a half of a million tons of this waste is generated annually. Most of this waste is either incinerated or auto-

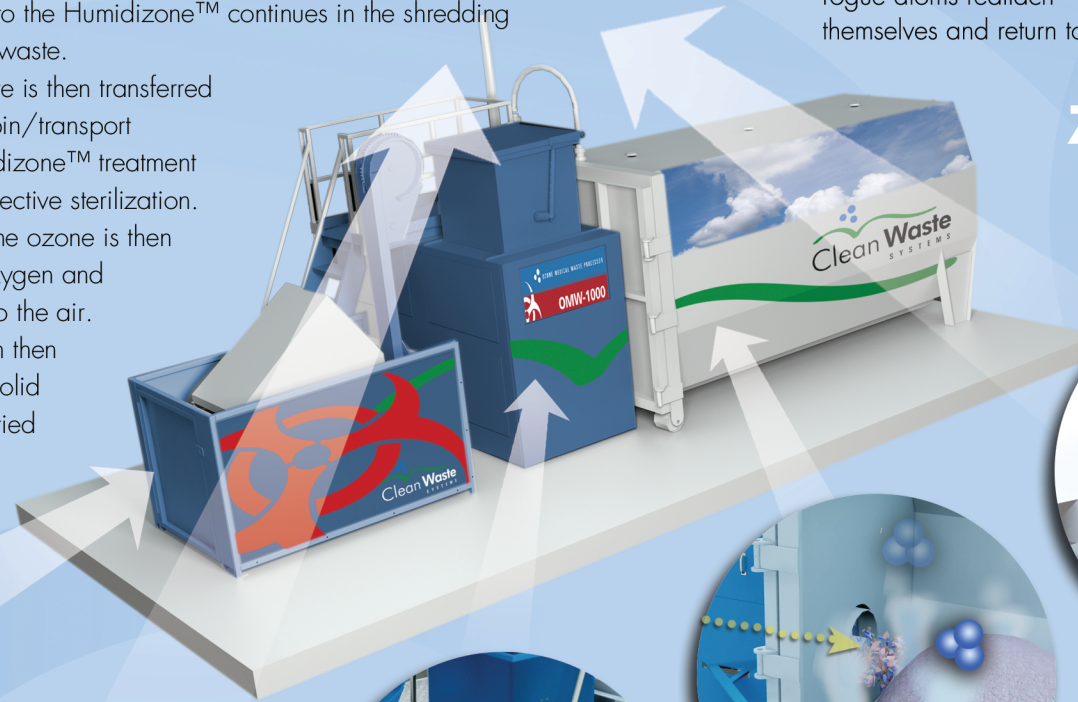
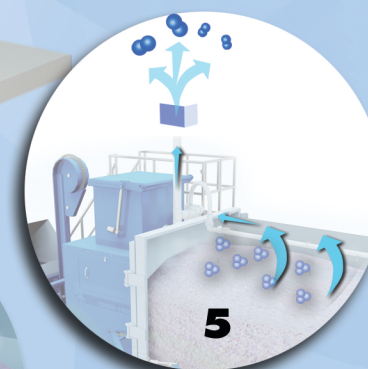
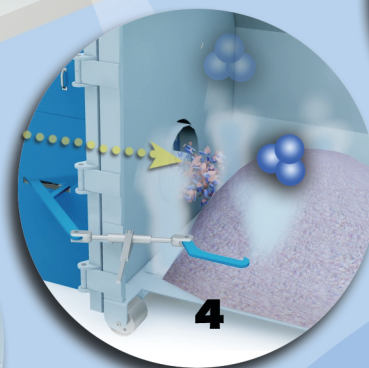
claved. While incineration causes unacceptable levels of toxins, autoclaves create horrific smells and water runoff. One ton of medical waste incinerated produces one ton of greenhouse gases and autoclaves squander our valuable natural resources. And with recently initiated EPA regulations and more to come in the near future, the pressure is on medical facilities and third party processors to either substantially upgrade current disposal systems or find viable alternatives.

Breakthrough **SOLUTION** for the **ENVIRONMENT**

The **Clean Waste Systems OMW-1000** is the latest design in new technology for waste treatment related to the medical industry. This system is a stand-alone system using "patented" technology to provide complete sterilization of bio-hazardous waste with zero emissions and low energy usage. The **OMW-1000** is a sustainable technology. By using this technology, we no longer need to put the environment of our future generations at risk. Using only ambient air, a small amount of water and a little electricity, our unique technology has a very small environmental footprint.

HOW IT WORKS

- 1.** Bio-hazardous waste is carted directly to the Clean Waste Systems OMW-1000 for processing. This highly efficient method of transferring this dangerous material eliminates the need for refrigeration and special packaging as required for typical haul-away disposal programs, and greatly reduces handling.
- 2.** A Waste cart is automatically hoisted and dumped onto an industrial strength shredding mechanism substantially reducing the volume of the waste.
- 3.** This process insures materials are reduced to a size optimized for effective decontamination. The material is exposed to Humidizone™ for ODOR CONTROL. Exposure to the Humidizone™ continues in the shredding system to pre-treat the waste.
- 4.** The shredded waste is then transferred to a sealed treatment bin/transport container where Humidizone™ treatment is applied to ensure effective sterilization.
- 5.** After processing, the ozone is then converted back into oxygen and harmlessly released into the air. The filled container can then be safely hauled to a solid landfill where it is emptied and returned for another load.

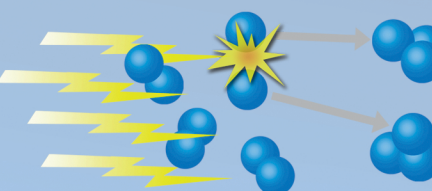


Using the natural power of **OZONE**

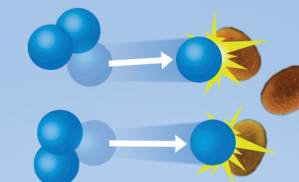
Ozone, (O₃), sometimes called "activated oxygen", contains three atoms of oxygen rather than the two atoms we normally breathe. Ozone is the second most powerful sterilizer in the world and can be used to destroy bacteria, viruses and odors. Interestingly ozone occurs quite readily in nature, most often as a result of lightning strikes that occur during thunderstorms. In fact the "fresh, clean, spring rain" smell that we notice after a storm most often results from nature's creation of ozone.

HOW THE OMW-1000 USES OZONE

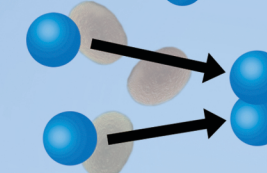
Oxygen molecules are electrically charged, splitting some apart. The split atoms then attach to remaining oxygen molecules and form OZONE.



An atom from the unstable OZONE then splits to attack and destroy pathogens.



After the pathogens cell walls are destroyed the rogue atoms reattach themselves and return to OXYGEN.



**ZERO
TOXIC
EMISSIONS**



The unrecognizable sterilized waste is then safely hauled to a municipal landfill.

improve your
BOTTOM LINE
immediately

Unlike many other green technologies, the Clean Waste Systems OMW-1000 combines environmental leadership with lower cost of operation resulting in immediate impact on your bottom line.

- Greatly reduced energy consumption
- Reduced paperwork
- Reduced liability
- Predictable budgeting
- Improved financial controls
- No special packaging or handling
- No refrigeration required

types of waste **PROCESSED**

- Biohazardous/Infectious (red bag) Waste
- Cultures and stocks of infectious agents and associated biologicals
- Liquid human and animal waste, including blood and blood products and body fluids
- Pathological Waste
- Contaminated waste from animals
- Sharps
- Suction Canisters
- Household/Solid waste (i.e. hospital ward or kitchen waste, etc.)



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