

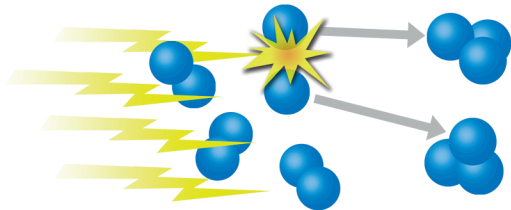
proven,
Breakthrough Technology

Ozone . . . a marvel of nature.

Ozone purifies and sanitizes the air we breathe, the water we drink, and food we eat. Long used in medical therapies, Ozone has shown remarkable antibacterial, anti-viral, and anti-fungal activity. Ozone is a form of oxygen, consisting of three oxygen molecules (O₃). Unlike diatomic oxygen (O₂; the breathable oxygen present in the atmosphere), ozone is very unstable, and decays to O₂ within about 30 minutes under normal atmospheric conditions. Ozone is a powerful oxidizing agent. It is able to oxidize a number of molecules including metals (with the exception of gold, platinum, and iridium).

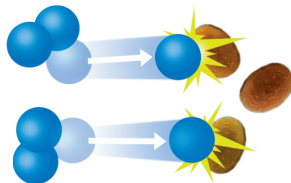


Humidizone™ is Clean Waste Systems proprietary process of injecting ozone through water for maximum decontamination.

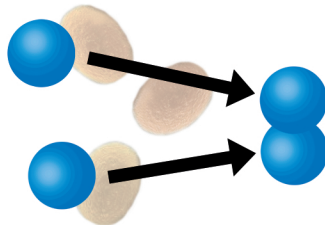


1. Oxygen molecules are electrically charged, splitting some apart. The split atoms then attach to remaining oxygen molecules and form OZONE.

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



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



PATENT pending

OZONE MEDICAL WASTE PROCESSOR
OMW-1000

- ✓ **Cost Effective** • Immediate cost savings
- ✓ **Reduced Liability** • Increased peace of mind
- ✓ **Environmentally Responsible** • Cleaner, safer

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.)



providing **Breakthrough** technology for a **Cleaner** earth

CleanWasteSystems.Com

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**On-Site
Bio-Hazardous
Waste Solution
for
Healthcare
Facilities**

OMW-1000

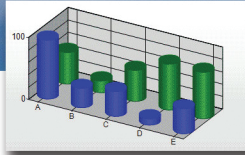
**OZONE Medical Waste Treatment System
PROCESS SUMMARY**



Immediate Cost Savings

The Ozone solution for treatment of medical waste has provided hospitals and processing facilities with **substantial cost savings** through some or all of the following::

- **Reduced energy consumption**
- **Reduced staff and training requirements** (utilize current household or maintenance staff)
- **Reduced maintenance costs**
- **Reduced risk to workers**
- **No special handling containers, boxes, liners etc.**
- **No expensive refrigeration systems required**



Reduced Liability

You are responsible for biohazardous waste long after it leaves your facility. Onsite processing with the OMW-1000 ensures the waste leaving your facility is in compliance with environmental and safety standards. Additionally, all operations of the machine are closely monitored with safeguard systems to **protect employees** from harm. The process of using ozone for sanitation also **eliminates odors**, creating a much **more pleasant work environment**.



- **Lowest staff exposure of any other system**
- **No harmful chemicals**
- **No dangerous steam or heat**
- **Reduced paperwork & tracking**

Environmental Responsibility



Priority . . . Green.

The growing awareness of increasing waste output and the negative effects on our environment is resulting in unmatched efforts and legislation to curb this problem. At the top of this list will be the reduction of pollutants caused by the processing of bio-hazardous waste. In the United States alone, over **465,000 tons of biohazardous waste** is generated. With recently initiated legislation, and more to come in the near future, the pressure is on medical facilities to either substantially upgrade current disposal systems or find viable alternatives.

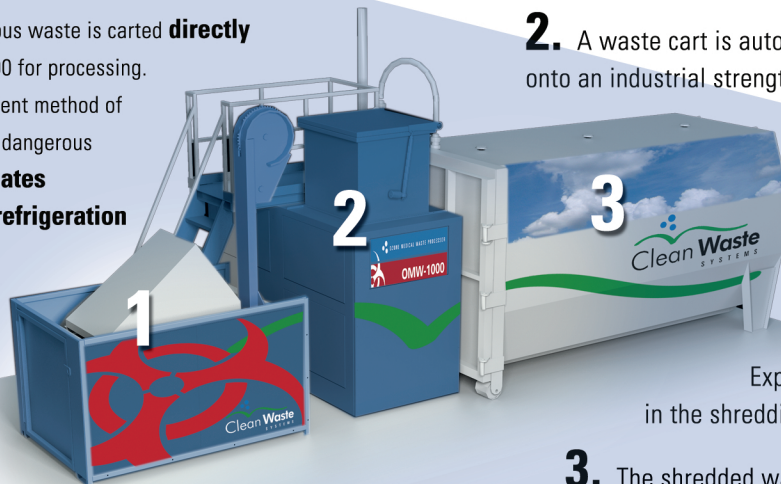
Zero emissions?

After used for processing in the **OMW-1000**, the highly concentrated ozone is converted back into OXYGEN, essentially resulting in **NO EMISSIONS**. Only a small amount of water is required in this process.

How It Works



1. Bio-hazardous waste is carted **directly** to the 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. This process ensures materials are reduced to a size optimized for effective decontamination. The material is **humidized™** for ODOR CONTROL.

Exposure to Humidizone™ continues in the shredding system to pre-treat the waste.

3. The shredded waste is then transferred to a **sealed treatment bin** where it is again **humidized™** to ensure effective sterilization. Once filled, the treatment bin can be **safely hauled to a municipal landfill** where it is emptied and returned for another load.



After processing, the odorless, inert waste is safely hauled in the sealed container to a sanitary landfill. Large tonnage loads are possible due to the integrated compactor.