



BinoGlass - Smart Trash Can for Medical Glass and Gas Lamps

The smart solution for the safe management of medical glass waste and lamps containing hazardous gases. BinoGlass combines automation, sorting, safety and gas processing into a closed, clean and traceable cycle.

What is BinoGlass?

BinoGlass is much more than just a garbage can. It is a smart station for sorting, compacting and processing glass waste and gas-contaminated lamps.

It allows 100% contactless use, guided sorting by interface, a 3-stage gas suction and filtration system, and precise feedback of usage data.





Interaction Intuitive Without Contact

Motion Sensor

The display lights up as soon as a user approaches their hand, allowing for touchless use to avoid contamination.

Oval touchscreen

Allows you to select the type of glass or lamp to be disposed of (blood tube, vial, ampoule, etc.).

Internal statistics

This choice feeds internal statistics and helps predict fill cycles for optimized maintenance.

Sorting & Deposit System

Selection

The user selects the type of waste on the touch screen.

Secure Deposit

A special tray allows glass objects or lamps to be gently placed.

Automatic opening

The lid opens automatically without the need for manual contact.

Compaction

When closed, the compactor is activated to reduce the volume of waste (excluding gas).

Intelligent Gas Treatment



Aspiration

When compacting lamps containing gas, an internal vacuum cleaner recovers the released gases.



Triple Filtration

- Q5 filter: particles and dust
- Q7 filter: chemical neutralization of noble/toxic gases
- Q8 Filter: Final Conversion to Purified Oxygen



Purification

The purified oxygen is released into the ambient air without harming the environment.



Security & Access Control



RFID Authentication

Secure opening with RFID badge to control access and ensure traceability.

Fill Monitoring

Weight sensor to monitor fill rate and optimize maintenance cycles.

Auto-lock

Lockout in case of saturation or anomaly detection to prevent any incident.

Tracking and Connectivity



Local Interface

Access data via the built-in touchscreen or network connection for remote management.



Detailed statistics

Types of waste, frequency, total weight, history of use for a complete analysis.



API Available

Easy integration into existing hospital or maintenance systems.



Technical specifications



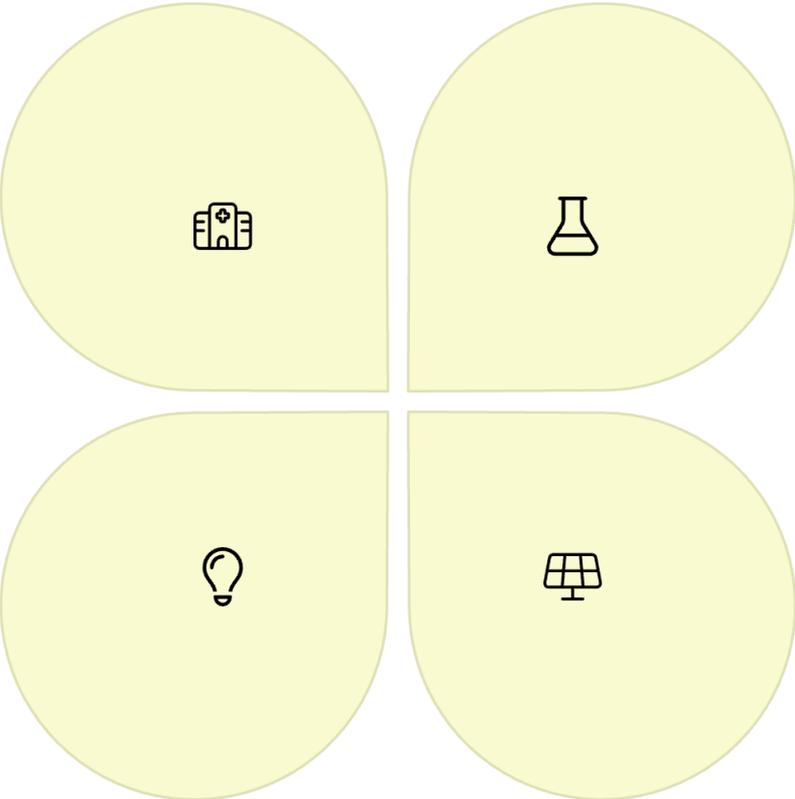
Version Standard

- Height: 125 cm
- Width : 55 cm
- Depth : 65 cm
- Curb weight: 60 kg
- Material: Stainless steel + anti-shock and anti-bacteria coating

Target Applications

Clinics & Hospitals

Secure management of medical glass waste in healthcare environments.



Laboratories

Analysis and sampling services requiring the disposal of tubes and vials.

Medical Lighting Zones

Safe disposal of lamps containing hazardous gases.

Sterilization Centers

Treatment of glass waste in medical sterilization areas.

Competitive Advantages

Maximum Safety

Zero contact and full gas filtration for a safe working environment.

Green Innovation

Transformation of hazardous gases into purified oxygen for a positive environmental impact.

Ergonomic Design

Attractive and functional design suitable for demanding medical environments.

Actionable data

Detailed statistics for optimizing internal processes and reducing costs.

Unique positioning

An unrivalled solution in the medical market for the management of special waste.