

# GermiBAN<sup>®</sup>

Advanced Integrated Sterilization and Air Purification  
System for Operation Theatres

by  Neoinventronix



Smart Sterilization | Reliable Protection | Proven Safety

**CDSO**

Approved



4-in-1  
Technology



Validated

# The Hidden Costs of Traditional Sterilization

While hospitals invest heavily in maintaining sterile environments, current disinfection methods have limitations impacting patient safety, operational efficiency, hospital economics, and OT equipment longevity.



## Chemical hazards are putting your teams at risk

Daily exposure to chemical sterilants harms the skin, eyes and lungs. The chemical sterilants are classified as carcinogenic and put healthcare workers at long-term risk.



## Harsh chemicals are damaging equipment investments

Frequent chemical exposure and moisture corrode sensitive medical equipment in OTs, shortening equipment life and risking inaccurate readings during surgeries.



## Every hour of downtime is a missed chance to save lives

With chemical fumigation locking down OTs for 6-9 hours, hospitals lose precious surgical capacity daily. That's fewer surgeries and delayed care when patients need it most.



## Manual cleaning can be inconsistent

Even with skilled staff, manual cleaning can sometimes miss areas, which can harbour harmful pathogens, putting patients at risk.

# Introducing GermiBAN® – The Smarter, Safer Way to Sterilize

GermiBAN® is the world's first  
Integrated 4-in-1 mobile  
360° sterilization & air purification  
patented system, engineered to  
eliminate pathogens on surfaces  
and in the air, ensuring a safe  
and sterile environment.

4x

Proven  
Technologies

1

Powerful Device



## High-Intensity UV-C Light (480W, 254 nm)

Disrupts the DNA and RNA of bacteria, viruses, fungi, and yeast in air and on surfaces within minutes.

## Controlled Ozonation (20 mg/hr, OSHA Compliant)

Reaches every corner to neutralize surface and airborne pathogens, neutralizes pollutants, VOCs, and harmful gases, resulting in odour removal, ensuring a sterile environment after UV-C irradiation.

## High-Density Negative Ionization (10 million ions/cm<sup>3</sup>)

Releases ions to remove airborne particulate matter. Improves well-being by regulating serotonin and reducing allergens for cleaner, healthier air.

## Medical-Grade HEPA Filtration (0.3 Micron)

Captures 99.5% of airborne particles, helping operation theatres maintain clean air in line with infection control protocols.



# Engineered for **Operational Excellence**



## Rapid Sterilization for Large Areas

Covers up to 1500 sq. ft. in just 15-20 mins, for faster OT turnaround.



## 360° Microwave Motion Sensor

Automatically stops UV-C when motion is detected, for maximum safety.



## Multiple Control Options

Mobile app control, remote control, & on-device console for easy & flexible operation.



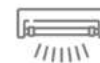
## Plug-and-Play Setup

No installation or specialized setup required.  
Lightweight (30 kg) & space-efficient.



## 100% Residue-Free and Chemical-Free

Leaves no harmful residues or chemical odours, allowing immediate re-entry into sterilized spaces.



## Long-Lasting UV-C Lamp (8000+ Hours)

Delivers consistent performance over extended operational cycles.

Scientifically Validated.  
Clinically Approved.  
Government Recognized.



4-in-1  
Technology

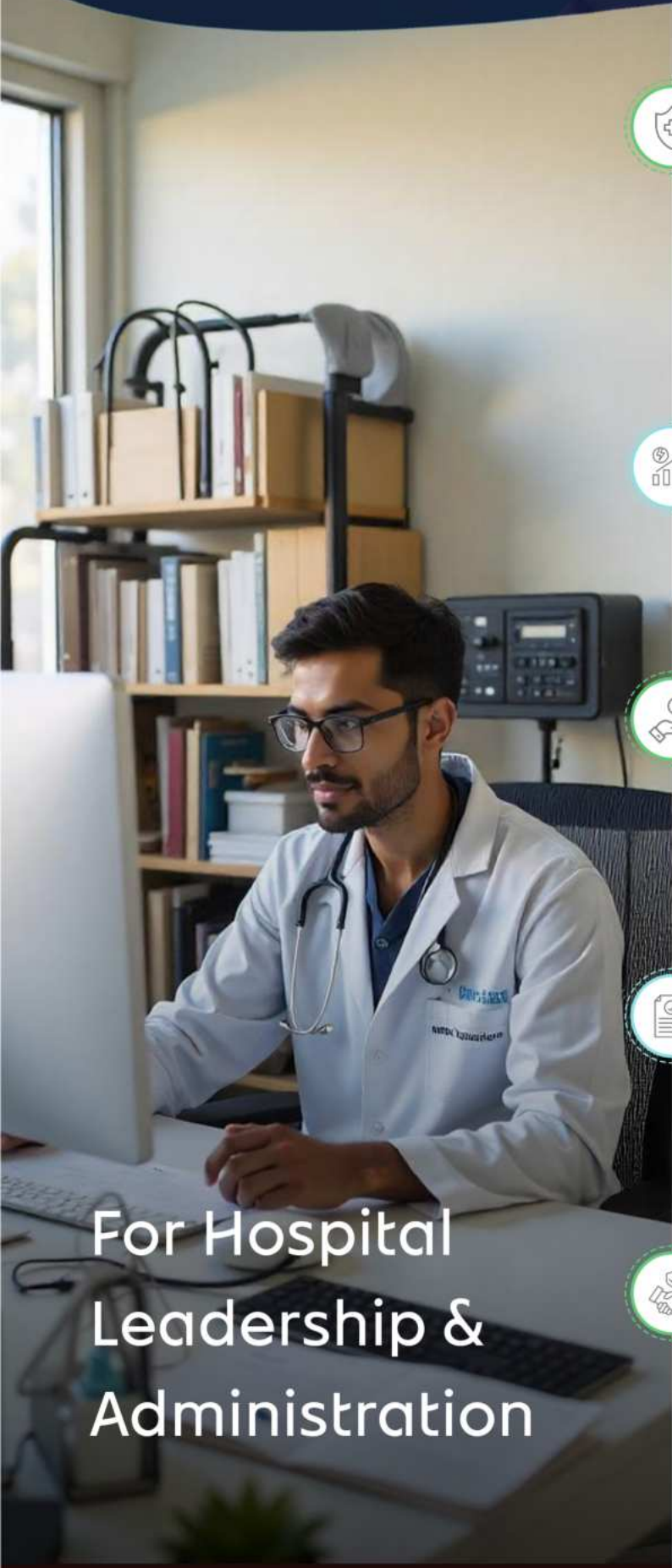
**CDSCO**

Approved



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# Why GermiBAN® Delivers Superior Value for Hospitals



## Unmatched Infection Control

Clinically proven to eliminate 99.99% of bacteria, viruses, mould, and yeast, and enables rapid in-between surgeries sterilization.



## Boosts OT Operational Efficiency

Cuts room downtime from hours to minutes, enabling more surgeries.



## Significant Cost Savings

No recurring chemical costs, OT equipment degradation, & maintenance costs, ensuring longevity.



## Regulatory & Accreditation Compliance

Supports adherence to NABH and WHO infection control guidelines.



## Brand Differentiation and Patient Trust

Showcases your commitment to world-class hygiene & patient safety.

## For Hospital Leadership & Administration

## Enhanced Occupational Safety

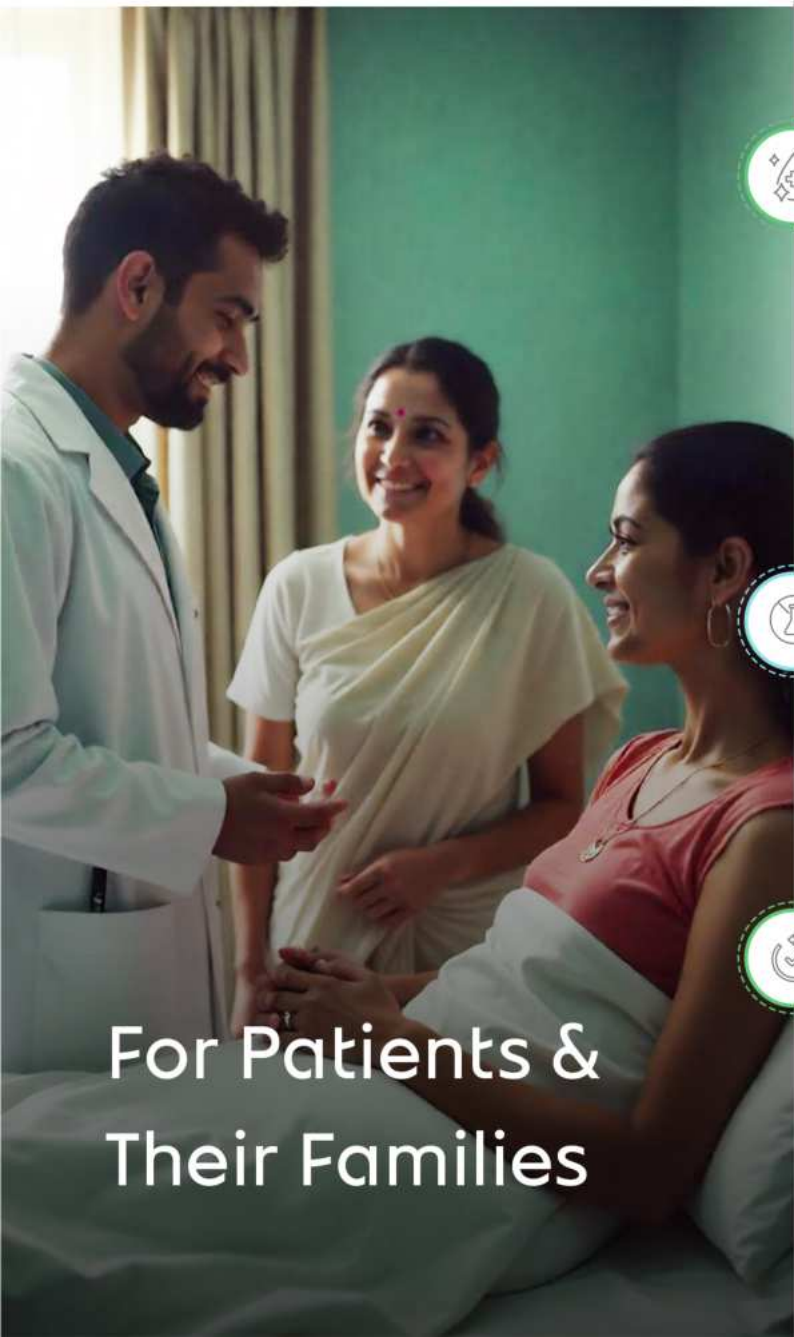
No exposure to toxic chemical fumes, risk of skin/eye irritation, respiratory issues, or long-term health hazards.

## Automation Reduces Workload

Fully programmable via mobile app or remote control—no need for manual intervention



For  
Healthcare  
Staff



## Cleaner, Safer Care Environments

GermiBAN® ensures that both air and surfaces are continuously sterilized, providing a safer environment for treatment and recovery.

## Comfortable, Chemical-Free Atmosphere

No chemical odours, no respiratory discomfort.

## Faster Recovery and Better Clinical Outcomes

Reduced exposure to pathogens means fewer infections, faster recoveries, and shorter hospital stays.

For Patients &  
Their Families

# Detailed Technical Specifications

## Sterilization Technologies

UV-C Light	16 Tubes, 254 nm wavelength, 480W power
Ozonator	Controlled 20 mg/hour ozone output
Ionizer	High-density 10 million ions/cm <sup>3</sup> output
HEPA Filtration	0.3 Micron, 99.5% particle capture efficiency

## Physical & Operational Build

Coverage Area	Up to 1500 sq. ft
Dimensions	530 x 530 x 1500 mm
Weight	30 kg
Material	ABS body with aluminum frame, stainless steel reflector
Mobility	4 Lockable Castor Wheels

## Control & Safety Features

Multiple Control Modes	Mobile App, Remote, On-Device
360° Microwave Motion Sensor	Auto UV shutoff on movement detection
Indicators	LED status lights and countdown timer
Safety Controls	Emergency stop, soft power-on

## Mechanical & Electrical Components

Fan Capacity	40 CFM DC fan for air circulation
Electronics	Advanced 5.1 motherboard, Electronic Ballast (2x36W)
UV Lamp Life	Over 8000 operational hours
Power Cord	3 meters, 3-pin plug

# Next-Generation Disinfection. Zero Chemicals. Maximum Safety.

## About Neoinventronix:

Neoinventronix is a leading clean-tech and health-tech innovator, developing advanced sterilization and air purification technologies to elevate healthcare safety standards.

## Our Recognitions Include:

- ISO 13485 Medical Device Certification

-  Registration  
ISO 9001 : 2008

-  &  Recognition

-  Air & Surface Sterilization Technologies

- Supported by  &  **ALEAP**  
Association of Lady Entrepreneurs of India  **ALEAP we hub**  
Alal Incubation Centre

Designed, Engineered, and Manufactured in India.

GermiBAN® is trusted by hospitals nationwide to deliver world-class patient safety.



# Neoinventronix



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[www.neoinventronix.com](http://www.neoinventronix.com)



[info@neoinventronix.com](mailto:info@neoinventronix.com)



+91 83099 18023



Neoinventronix Pvt. Ltd.

Plot No. 490/A, Road No. 12, 1st Floor,  
Bhagath Singh Nagar, Kukatpally,  
Hyderabad, Telangana - 500 085