Hospital Bed Sterilizer

Content

Why do we need a bed sterilizer ?

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Infection control is a top priority for everyone working in healthcare environments.
NICE has estimated that 300,000 patients a year in England develop a healthcare-associated infection (HCAI).
However, these figures only included NHS facilities – where HCAI was found to cost over £1 billion per year – so the true scale of the issue across the entire healthcare sector is likely to far exceed the NICE estimate.

Why do we need a bed sterilizer?

Healthcare-Associated Infections

HEALTHCARE ASSOCIATED INFECTIONS

C. difficile

WHAT IS HCAI?

Healthcare-associated infection covers any infection that develops as a direct result of medical intervention, e.g. surgical treatment, or indirectly as a result of being in contact with a healthcare setting e.g. a hospital or care home.

Due to the prevalence and cost of HCAI, both to patient wellbeing and financially, healthcare professionals work hard to comply with infection prevention and control policy.

Individual policies may vary slightly to suit the needs of a specific facility, but all policies will include guidelines for personal hygiene e.g. handwashing, proper disposal of single-use equipment, and maintenance of reusable equipment – including mattresses.

This means that proper mattress decontamination isn't just important, it's actually a requirement in many healthcare settings.

What is bed sterilizer ?

About us

22 Years' Professional Experience in Medical Filed

With 22 years' professional accumulation in medical field, BEST Tech is established to provide leading medical air purification, hospital bed disinfection, space and surface disinfection and other solutions to hospital and non-hospital filed including designing, installation, commissioning, maintenance, service and IT monitoring service.

Product Overview

BEST/SCX Hospital Bed Sterilizer adopts ozone as the disinfection agent and to reach disinfection, deodorazation, and bleaching.
It has the characteristics of quick disinfection, no dead angles, no damage to the processed items, and convenient operaiton.

Working Principle

The air in the bed cover is drawn out till nearly vaccum to provide better penetration and contact of disinfect agent, then O3 is delivered into the cover/bag for disinfection. Afterward, O3 is pumped out and decomposed into oxygen by catalyst filter.

Real-time view of work process

About Ozone technology

Ozone technology is an alternative to conventional thermal washing machines. It uses a natural, cold water ozone laundry process rather than hot water and harsh bleaching agents.

The Department of Health and the FDA have validated ozone technology has a highly effective decontamination method. The ozone dissolves in water and then disinfects by oxidising microbial cells – destroying **99.999% of harmful micro-organisms** such as MRSA, E. coli, Norovirus and C. difficile spores.

Benefits of Ozone technology

Ozone technology has several key advantages over traditional decontamination methods:

Eco-friendly: using cold water and avoiding harsh chemicals reduces the environmental impact.

Fast: Ozone technology destroys bacteria 3,200x faster than chlorine solutions. So, you can get your mattresses back in use quicker.

Extends mattress life: Harsh chemicals and high temperatures can damage the mattress as well as the environment. Ozone technology avoids both and so can significantly increase the lifespan of mattresses.

Product advantages

Fast — Extremely fast disinfection, the shortest disinfection time is only 20 minutes

Automatically memorize the last working mode, only need "one-key disinfection" when used again

Built-in ozone concentration, temperature and humidity sensors, real-time monitoring of equipment working status

It can record the position of disinfection bed and the completion of disinfection, and provide data for hospital bed management and hospital infection management

7" — 7 inch large touch screen, human-computer interaction disinfection process and results of real-time viewing

O₃ — New generatoion ozone removing technology, dual purification ensures no residue and no secondary pollution

Large storage with hidden lock for multi-safety storage of accessories

APP — App remote monitoring, more convenient equipment management (optional)

Enhanced disinfection, faster and more efficient

Unique design, beautiful and fashionable, made of durable alloy material
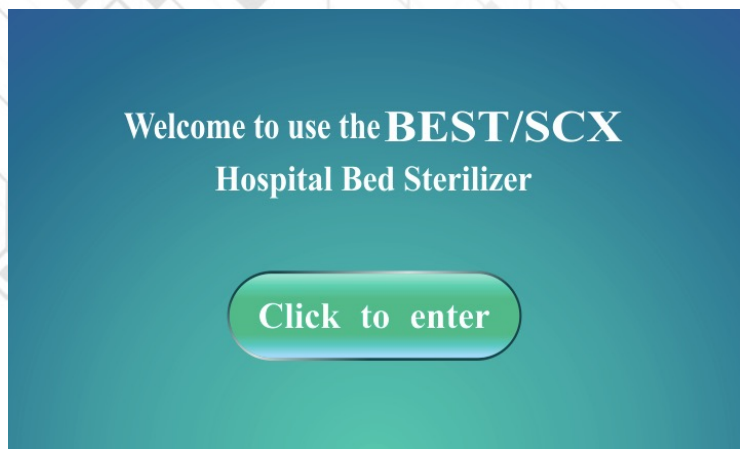
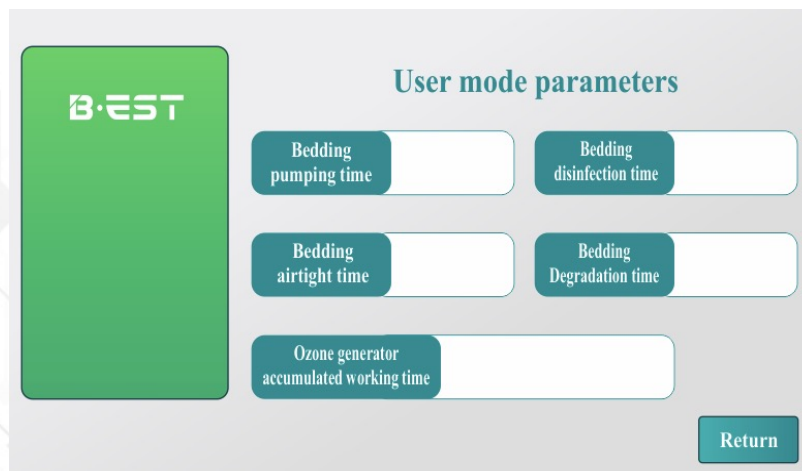Built in printer for printing disinfection data at any time

Separately disinfect the bedding and the interior of the brown mat (optional) to remove various peculiar smells (bloody smell, musty smell, medicine smell, big and urine smell, etc.)

7-inch large screen human-computer interaction

Welcome to use the BEST/SCX
Hospital Bed Sterilizer

Click to enter

Intuitive operation

User mode parameters

Bedding pumping time

Bedding disinfection time

Bedding airtight time

Bedding Degradation time

Ozone generator accumulated working time

Return

Disinfection parameter setting

Disinfection record of bedding

Record number: Serial number: SCX -

Operator: Disinfection mode:

Start time: Disinfection time:

End time: Disinfection results:

Department: Beds:

Printing   Return

Disinfection record query

One-key disinfection

One-key disinfection

Automatically memorize the last working mode ensuring "one-key disinfection" when used again

User Mode

Time parameters can be set by themselves.

After the mode and parameters are determined, press the corresponding start button to enter the corresponding automatic disinfection program according to the disinfection target.

The disinfection indicator light is on, and the bedding or mattress can be disinfected. It runs automatically without any other operations.

Ozone analysis + adsorption, double purification

Ozone analysis
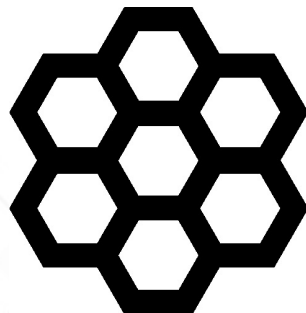
Activated carbon adsorption

After the disinfection process, the working gas is purified by the dual functions of analysis and activated carbon adsorption, with no residue and no secondary pollution

*Effect diagram

Enhancing Monitor (optional)

1. The device has temperature, humidity, micro pressure, ozone concentration sensor, WiFi and Bluetooth module, battery (supporting both wireless and wired charging);
2. It can exchange data with the bed sterilizer through Bluetooth, transmit data of the above sensors to the sterilizer, record and print all relevant data of the disinfection process. And the user can check the current working status through the machine screen at any time;
3. The humidity of the disinfection environment can be changed by intelligent atomization, so as to enhance the efficacy of ozone disinfection. The comprehensive monitoring data of multiple sensors can help the sterilizer to start the full automatic mode, so as to achieve more accurate and scientific disinfection purpose in the most convenient way;
4. The equipment has a separate air circulation system, which can quickly make the disinfection environment meet the most appropriate requirements and create a better working condition for high-level disinfection.
5. All monitoring data can be transmitted to local server through WiFi. Users can remotely view all disinfection records and traceability management information through PC or mobile phone monitoring management software, and realize remote control of equipment.

Temperature Sensor | Humidity Sensor | Ozone concentration Sensor | Pressure Sensor | WiFi Module | Bluetooth Module | Battery Module
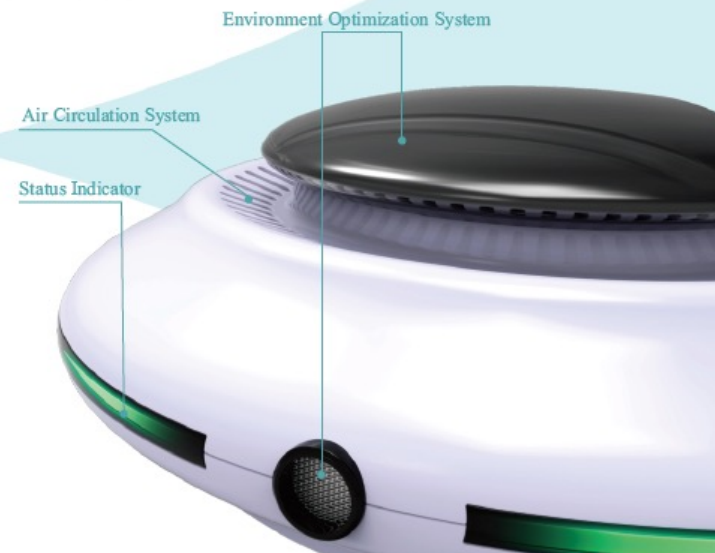
Error Alarm
Temperature Sensor
Humidity Sensor
Micro Pressure Sensor
Ozone Concentration Sensor
Environment Optimization System
Air Circulation System
Status Indicator

Monitoring Management Report

智能床单元消毒机
监控管理报表

Alloy material, durable

Smart Bed Sterilizer VS Traditional Bed Sterilizer

Belst bed sterilizer	Items		Other brands of bed sterilizer
7-inch touch screen, atmospheric and clear at a glance	☑	display	Digital tube display
Large capacity, high speed and high efficiency	☑	cpu	Small capacity, simple function
Mobile phone operation, simple, intuitive, easy to operate	☑	operating	Setting the time and other content is particularly troublesome
Yes, record the work content, parameters and disinfection success of each time	☑	printer	no
Equipped with temperature and humidity sensor and ozone concentration detection	☑	Ozone concentration, temperature and humidity	no
system (optional), it can provide real-time working status of equipment	☑	Internal disinfection of mattress	no
Yes, patented technology, faster, better and more comprehensive disinfection for bed unit (optional)	☑	Sterilization enhancer	no
Access to smart cloud services, mobile APP operation, more convenient device management (optional)	☑	Cloud service	no
Alloy covers, beautiful and safer	☑	Covers	Rough structure
Large-capacity storage space, can be placed in disposable sterilization cover and non-disposable disinfection cover.	☑	Storage room	Small capacity

Monitoring & Management System

Organization (optional)

Bed unit disinfection 1

Bed unit disinfection 2

Bed unit disinfection 3

CLOUD SERVER

Data Exchange

Data Storage

Department monitoring management

Data Reports

Multiple terminal APP
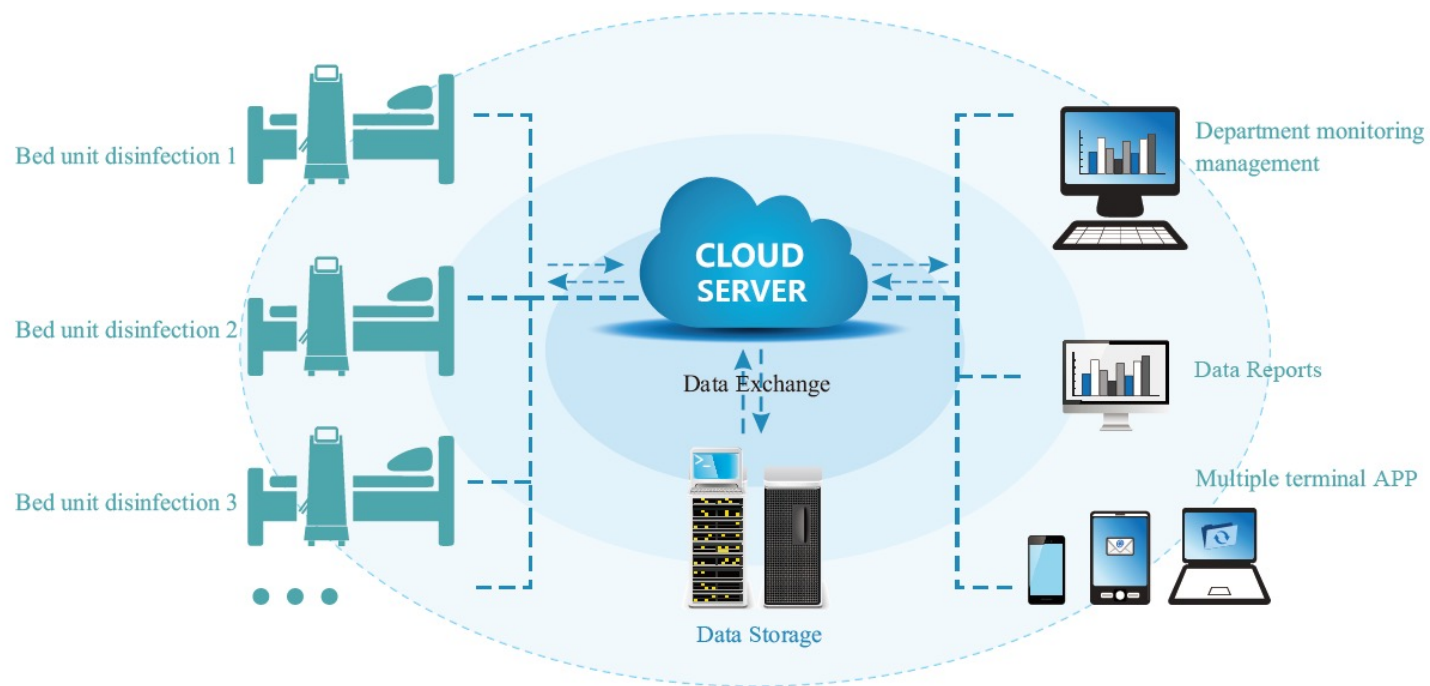
6 Innovations

Smart Sensors
Collectting ambient data

Efficiency Enhancer
Unique humidity controlling to reach faster and higher efficiency

Smart Control System
Provide smart control of enhancer according to ambient data

Could service
Record disinfection data and provide record printing, reports, graphics

Smart Management
Clear and intuitive management of beds in different departments

Efficiency Comparison
Compare disinfection data with local disinfection standard to verify disinfection efficiency

Features

① Group Management

The device and the bed unit in the department can be bounded together on mobile APP,including the category number of the articles to be disinfected and also the operator number for traceablity of disinfection.

② Real Time Positioning

Map View in the software provides realtime positions of the devices, the remaining disinfeciton time to drastically improve the utilizing efficiency and the turn over time of multiple devices.

③ Real Time Monitoring

Real time mornitoring and displaying of key parameters of the deivces. Timely provide users erros and malfunctions and realize instant service support.

④ Disinfection Records

All work parameters of devices connected to the software can be recorded. Disinfection quality could be traced and viewed at any timne. Monthly and yearly report could be generated automatically for analysis and review.

Qualification & related test reports

营业执照

统一社会信用代码
91510124MA690AFN7G

（副本）

名　称	成都贝尔斯特科技有限公司	注册资本	伍佰万元整
类　型	有限责任公司(自然人独资)	成立日期	2020年01月08日
法定代表人	海大益	营业期限	2020年01月08日 至 长期
经营范围	净化设备的研发、生产、销售，防护用品的生产、销售；销售：家用电器、五金产品、电子元器件、办公用品、家具、医疗技术推广服务、医疗实验室医院用消毒设备等器具制造、生活消毒、消毒服务、机械设备安装、销售及技术研发；空气净化工程；室内外装饰装修工程、机电设备安装工程、建筑智能化工程设计、施工、自动化设备、电子设备检测；计算机软硬件研发、销售及技术服务；信息系统集成服务；商务信息咨询服务(不含投资及资产管理类咨询服务)、企业管理咨询服务(不含投资及资产管理类咨询服务)、花卉苗木种植（另具体地从事经营活动）、房屋租赁、通讯设备（不含无线电发射设备）租赁服务、机械设备租赁服务；货物及技术进出口；消毒剂、消毒器械的生产。（依法须经批准的项目，经相关部门批准后方可开展经营活动）	住　所	成都市郫都区成都现代工业港北片区小微企业创新园龚家碾路99号
登记机关			2020年6月17日

国家企业信用信息公示系统网址:http://www.gsxt.gov.cn

国家市场监督管理总局监制

消毒产品生产企业卫生许可证

川（ 成都-郫都 ）卫消证字〔2020〕第 0006 号

单位名称:成都贝尔斯特科技有限公司

法定代表人（负责人）:海大益

注册地址:成都市郫都区成都现代工业港北片区小微企业创新园龚家碾路99号

生产地址:成都市郫都区成都现代工业港北片区小微企业创新园龚家碾路99号三号楼二层

生产方式:生产

生产项目:消毒器械

生产类别:其他消毒器械（等离子体、过滤、臭氧、过氧化氢）、紫外线消毒器

有效期限:2020年08月20日至2024年08月19日

注:本许可证只对许可批准时的生产条件负责，不是对企业所生产产品的许可，不代表对企业生产卫生质量的认可。应在卫生许可证有效期届满前30个工作日之前提出延续申请。

发证机关:（公章）

批准日期:2020年08月20日

第二类医疗器械经营备案凭证

备案编号：川蓉食药监械经营备 20204297 号

企业名称	成都贝尔斯特科技有限公司
住所	成都市郫都区成都现代工业港北片区小微企业创新园龚家碾路99号
经营场所	成都市郫都区成都现代工业港北片区小微企业创新园龚家碾路99号三号楼二层201
库房地址	成都市郫都区成都现代工业港北片区小微企业创新园龚家碾路99号三号楼二层202
经营方式	批零兼营
法定代表人	海大益
企业负责人	海大益
经营范围	Ⅱ类：6857 Ⅱ类：11

备案部门（公章）

备案日期：2020年09月16日

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Patented technology inspection report
Breaking through technical barriers

Ozone analysis + adsorption
Double effect, lower residue

kindly contact us for more detail

成都贝尔斯特科技有限公司

Thanks!