B·EST

Think Health, Think BEST

Hospital Bed Sterilizer
Total Solution

CHENGDU BEST TECHNOLOGY CO. LTD

Company Profile

22 Years' Professional Experience in Medical Field

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.

Guided by market demand, a complete IPD product development process system is established . Before product development, professional market research, big data statistics of target customer demands, and demand statistics screening, classification and analysis are conducted to determine product performance and specifications to meet more customer's needs. Based on rigorous scientific technology development and harsh testing and verification, the product performance and quality are fully guaranteed, and it is far higher than the national industry standard requirements.

BEST Tech is backed up by a strong R & D team of skilled scientific and technological talents. Through continuous research and breakthroughs, a number of invention patents and utility model patents have been applied.

The products are designed to be applied for
Medical field: Applicable to the second and third class of hospital environments, such as operating rooms, laboratories, diagnosis rooms, treatment rooms, infusion rooms, and other places with special requirements to provide corresponding products and services.
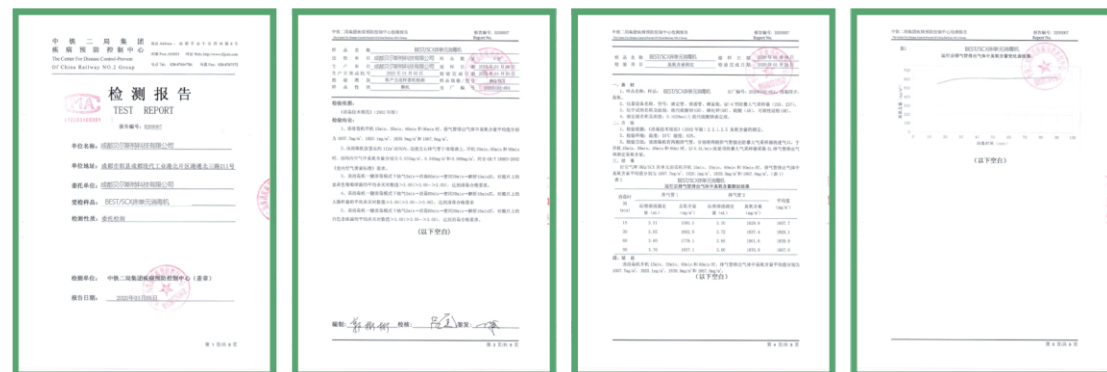Non-medical fields: factory workshops, hotels, schools, offices, conference rooms, homes, etc. provide corresponding products and services according to different needs such as venues and seasonal environments.

Qualifications

Patents

Test reports

Special Designed Bed Cover

Smart Control System
Convenient Operation

Enhacing Mornitor
Scientific & Accurate Management

AL Alloy Body
Dual Inlet Tube

Hidden Accessory Locker
Safe Power Supply

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
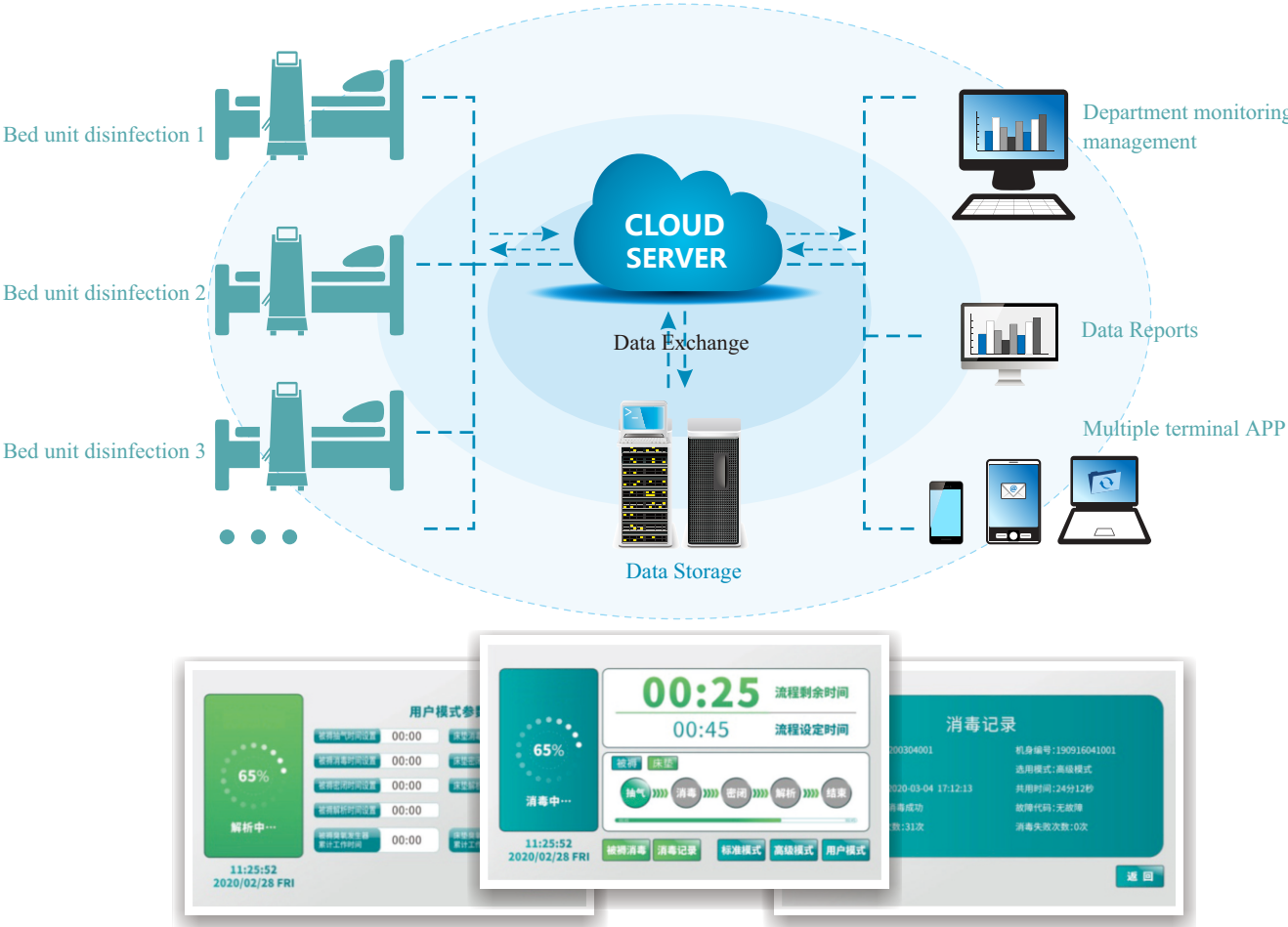
BEST/SCX Hospital Bed Sterilizer

Product Review

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

Working Principle

The air in the bed cover (the bed is sealed in a bed cover or a disinfection bag) is drawn out till nearly vacuum to provide better penetration and contact of disinfection agent; then O3 is delivered into the cover/bagfor disinfection. After disinfection, O3 is pumped out and decomposed into oxygen by catalyst filter.

Monitoring And Management System

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

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.
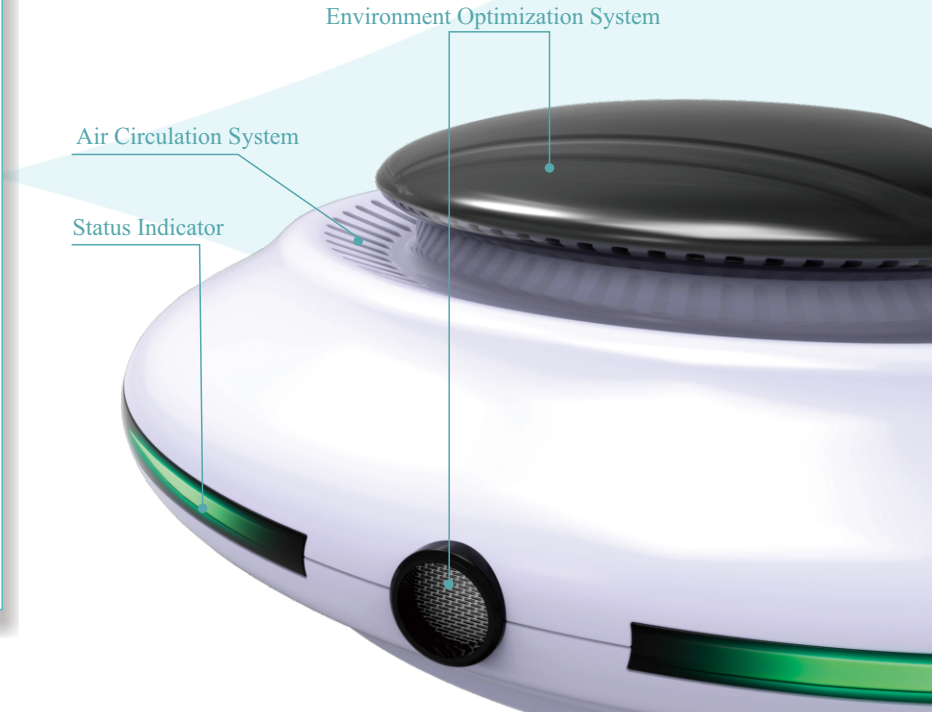
Enhancing Mornitor

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

Monitoring Management Report

Error Alarm

Temperature Sensor

Humidity Sensor

Micro Pressure Sensor

Ozone Concentration Sensor

Environment Optimization System

Air Circulation System

Status Indicator

智能床单元消毒机
监控管理报表

表单编号：	SCX-RF202015-1	报表生成日期：	2020-07-14
统计日期：	2020-07-14	出单人员：	张三
院区名称：	XXXX人民医院XX院区	科室或病区：	外科一病区
设备编号：	560000887706MTKTI	病床编号：	25床
设备型号：	SCX-A	操作人员：	李四
消毒处理统计：			备注
累计消毒时间：	XX天XX小时XX分钟		
累计消毒次数：	XXX次		
最近一次消毒时间：	XX小时XX分钟		
消毒结果统计（物理参数）：			备注
臭氧平均浓度(ug/m3)：	612		
湿度平均数值（%）：	65		
温度平均数值（℃）：	25		
压力平均数值（Pa）：	XX		
传感器状态：	正常		
传感器校准时间(小时)：	XX(小时)		
售后维护统计：			备注
设备状态：	正常		
无故障时间(小时)：	51765		
维护保养记录：	具有		
上次维护时间：	2020-01-12 10:42:27		
距离下次保养(小时)：	780		
床单元生化监测记录：			备注
化学监测结果：	合格		
生物监测结果：	合格		
监测操作人员：	王五		
结果监测日期：	2020-07-15 15:12:24		

Functions And Features

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

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

Enhanced disinfection, faster and more efficient

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

Separately disinfect the bedding and the interior of the brown mat (optional) to remove various peculiar smells (blood, musty, medicine , human waste, etc.)

Built in printer for printing disinfection data at any time

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

7"
7 inch large touch screen
Real time display of disinfection process and results

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

Unique design, beautiful and fashionable, made of durable alloy material

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

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

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

Technical Parameters

ITEMS	B.est BEST/SCX Bed Sterilizer
Working environment	Temperature range: 5℃-40℃ Relative humidity ≤90% (non-condensing) Atmospheric pressure range: 86kPa-106kPa No flammable, corrosive gas or conductive dust around
Power supply	AC220±22V 50±1Hz
Input power	≤260
Ozone concentration in the bed bag (or cover) (mg/m³)	≥500
Ozone leakage when the bed bag (or cover) is airtight (mg/m³)	≤0.10
Net weight	About 30
Dimensions	450 (length) X 390 (width) X1110 (height)
Main bactericidal factors	Ozone
Kill microorganism category	The logarithmic value of ozone killing of Escherichia coli (8099)>3.00, the logarithmic value of killing Candida albicans>3.00, Log killing value of Staphylococcus aureus (ATCC6583)>3.00
Disinfection program	Automatic control