

Range of application

KINO is always on standby and dispatched to any area that needs to be disinfected to quickly resolve terminal disinfection tasks and address biological contamination risks

Medical institution
pharmaceutical factory

Biological laboratory
CDC

public transport
Gene&Cell Therapy

终末消毒[®]

卫生防疫的终极卫士

Manufacturing enterprise: Shanghai Vanton Biotechnology Co., LTD
Production address: Room B201, 2 / F, Building 5, 785 Tieli Road, Baoshan District, Shanghai
Contact number: 400 135 0535
Website: www.51xd.tech



终末消毒
www.51xd.tech

生命科学
环境消毒整体解决方案

KINO[®] series

Terminal disinfection robot Portable disinfection

Vaporized hydrogen peroxide disinfection technique
A holistic solution for biological decontamination



上海梵通生物科技有限公司
Shanghai Vanton Biotechnology Co.,LTD

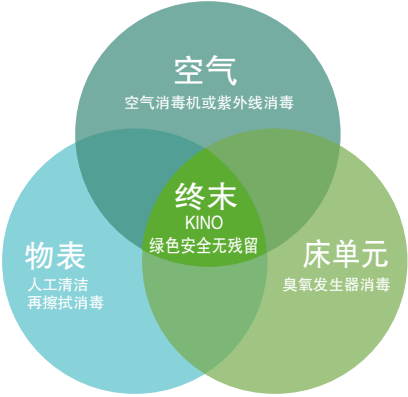
The technology principle

Broad spectrum sterilization of vaporized hydrogen peroxide (VHP)

All pathogenic microorganisms can be killed by using vaporized hydrogen peroxide sterilization technology

High efficiency:

The spores kill rate > log6



Broad spectrum:

Hydrogen peroxide kills pathogenic microorganisms by releasing highly oxidized free radicals (OH) that alter cell structures (cell walls, membranes) and attack components (proteins, DNA/RNA).



Bacterial propagator

Mycobacterium tuberculosis
Acinetobacter bowman



Virus

Coronavirus
Hepatitis virus



Fungi

Mold, aspergillus, mold spores



Bacterial spores

Bacillus subtilis black variant spore
Bacillus thermophilus

Safe, residue free:



Good material compatibility

Security:

- ✓ Excellent: Aluminum/stainless steel/glass/quartz/Teflon /PEPP/ polyphenylene ether
- ✓ Very good: Polycarbonate PC/ acrylic Resin ULTEM/ tree ester/medical-grade silicone ABS/PVC/PVDF
- ✓ Good: soft electroplated aluminum/polyamide/natural rubber/polystyrene/polyurethane/some silicone
- ✓ General: brass/copper/silver/fiber/nylon

Material Compatibility:

Metals

Aluminum	Excelent	Stainless Steel	all grades Excelent
Anodized Aluminim	Good	steel	Good
Brass	Good	Titanium	Excelent
Copper	Good		
Stainless Steel	all grades Excelent		
steel	Good		
Titanium	Excelent		

Plastics

ABS	Excelent	Polyacetal(Delrin)	Excelent
Afas	Excelent	Polycarbonate	Excelent
CPVC(chorinated polyviyichionde	Excelent	Poluetherimide(Ultem)	Excelent
Kel-f	Excelent	Polymethylepentene	Excelent
Nylon	Fair	Polyphenylene oxide	Excelent
PMMA	Excelent	Polyetherketone (PEEK)	Excelent
Polyethersulfone(PES)	Excelent	Polyethylene(HDPE,LDEP HUMWPE)	Excelent
Polethlene Terephthalate(PET)	Good		

Elastomers

Buna N	Fair	Hypalon	Excelent
Butyl Rubber	Good	Polyurethane	Excelent
Chem Raz	Good	Slicone Rubbers	Excelent
EPDM	Fair	Kelrez	Excelent
Viton	Excelent		

KINO[®] PRO disinfecting robot

Intro:

- Gather the latest disinfection, laser navigation as well as artificial driving technology.
- Omni-directional nozzle, uniform vaporization diffusion, saturation without dead Angle.
- Comfort push handle design, ergonomic, light and easy.
- The weighing module adopts electronic tray to monitor the amount of H2O2 in real time and adjust it automatically.
- Eye-catching operation indicator light, soft light source, safety identification equipment condition.
- Mute universal casters, flexible movement, conducive to narrow space to move.
- Remote panel control, real-time display of concentration and operation status.



Technical parameters:

Disinfection space size	300m ³
Sterilization time	60~90分钟
Hydrogen peroxide consumption	3.0g/m ³
Working temperature	常温
Working humidity	≤ 75%
The power supply requirements	1.5KW 220V 50Hz
KINO size	550*550*1200mm
KINO weight	60kg
Amount of solution	2000ml
Wireless range control	20米
Battery capacity	48V 90AH



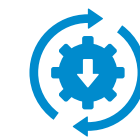
01. Driverless

Laser navigation, with lithium batteries, can move autonomously, complex environment unmanned driving



02.Crisis management

Equipped with wide-angle HD camera and real-time image transmission, it can be manually operated remotely to enter high-risk biological pollution areas and perform biological decontamination functions



03.Follow yourself

Using the latest sensor interaction technology, the device can follow the operator autonomously, without manual handling



04.Multi-functional integration

Integrated space disinfection, rapid connection of the pipe cavity disinfection, according to the need



KINO[®] SE Portable vaporized hydrogen peroxide sterilizer

Intro:

- Omni-directional nozzle, uniform vaporization diffusion, saturation without dead Angle.
- Comfortable handle box, ergonomic, light and easy.
- Precision weighing system, accurate delivery.
- Eye-catching operation indicator light, soft light source, safety identification equipment condition.
- Mute universal casters, flexible movement, conducive to narrow space to move.
- Remote panel control, real-time display of concentration and operation status.



Technical parameters:

Disinfect ability	200m ³
Sterilization time	30~60分钟
Hydrogen peroxide consumption	3.0g/m ³
Working temperature	常温
Working humidity	≤75%
The power supply requirements	1.2KW 220V 50Hz
KINO size	400*500*600mm
KINO weight	20kg
Amount of solution	1000ml
Wireless range control	≤20米

Product Features:

01 Man - machine separation, remote computer control

02 Simple operation, one key start, automatic operation

03 Running status, system data, real-time display

04 Light and convenient, easy to transport

05 Space + pipe dual mode, one machine multi-purpose

