

TOKAISUN

燦

for Amenity Space

MRSA

Scabies

Virus

Clean & Safety

# Infection prevention in facilities!!

Nowadays in-house (in-hospital) infection is considered a serious problem. TOKAISUN is appropriated to Infection control and prevention. In the disinfection process, TOKAISUN do not use any drugs containing toxicity with side reactions to the human body and environment. It's helping make a clean environment to the patients and to the workers.

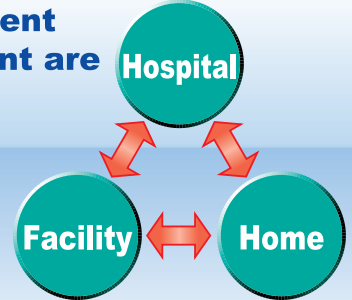
## Washing/Disinfection international standard ISO 15883

「A effective cleaning is a precondition for disinfection, and a precondition for sterilization guarantee.」

「The heat disinfection process have priority for chemical disinfection」

## Hospitalized patient and elderly patient are easy-infected

Basic physical strength decrease with age, increasing the possibility of infection.



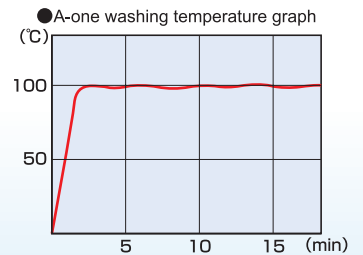
## Ozone water disinfection / High pressure & high temperature water washing machine O-3-750

Cleaning and disinfection of wheel chairs and bed parts Cleaning and disinfection of caster walker, air mat, slope, etc.



- Power source for 4 consecutive hours in high temperature water of 100 °C
- Only 10 seconds of rise time to use ozone water
- Usable as much as need, connection directly to the water pipe.
- High pressure and high temperature water cleaning, and sterilization and deodorization by ozone water washing.
- One easy push to change the functions.
- Very compact and can be used at home with 100 V outlet.
- Ozonized water washing is also effective to remove the floor sliminess.
- Fast drying due to high temperature water.

Interior and exterior All stainless steel



Wheelchair



wash bed wash



Mattress wash

### Product specification

Size Weight	W455 × L915 × H820mm
Power supply	140kg
Cleaning water temperature	Single phase 100 V 20 A 105 °C (Maximum)
Discharge amount	240 L/h 4.9MPa (Maximum)
Washing pressure	4.9MPa (Maximum)
Source	White kerosene (10 liter tank) 2.5 liter / H

### Bactericidal effect test data from JFRL (Japan Food Research Laboratories)

Bacterial species and sampling place		Viable bacterial count per surface tested	
Test fungus	Test surface	Specimen unactuated	Specimen actuated
E. coli	Handrail	1.2×10 <sup>6</sup>	< 100
E. coli	seat	1.6×10 <sup>6</sup>	< 100
Staphylococcus aureus	Handrail	2.1×10 <sup>6</sup>	< 100
Staphylococcus aureus	seat	1.6×10 <sup>6</sup>	< 100

<100: Not detected (Operation: high temperature water wash + ozone water 3 min)

TKC TOKAI KIKI Kogyo Co., Ltd.



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# The changes of scabies infection after mattress disinfectant and deodorant dryer machine introduction.



## ● Scabies

Scabies is a kind of skin infection that move from people to people, causing a very strong itch. Nowadays, showing frequent occurrence at hospital, (specially at psychiatric ward, convalescent wards of big hospitals), nursing home and places with elderly people with weak resistance.

### The situation before introduction

- Infection season :Frequently in April, May, September and October
- Patient infection status :Frequently occurred mainly in workers of the 5th and 6th floor. Elderly ward (Hospitalization management department II 71 floor )
- Routine works :change of position, Linen change, Meal helping, Change diaper, etc.
- Patient status :Dermatology consultation patients

### Infection situation transition

	Before	→	After (1year after introduction)
Scabies direct infection	16 people	→	0 people
Skin peeling allergy	12 people	→	2 people
TOTAL	28 people	→	2 people

## Welfare equipment Disinfection / Drying machine **SE-3**

**Compact body electric type Installation anywhere**

- To small amount operation of Mattresses, futons, blankets etc. Your bedding will reborn clean and healthy.
- Easy to work with trolley specifications, also available to wash wheelchair taking of the partition.
- Heat exchange method make the heated air always clean.
- Long durability with stainless steel specifications.
- Spraying the antibacterial agent Sunclean shower before processing, it can inhibit breeding of bacteria for a long.

**Bactericidal effect test data acquired**



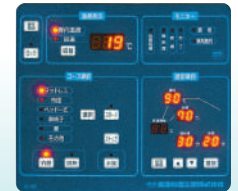
Size	W800×L2,300×H1,900mm
Power supply	Three-phase 200V 30A 8kW
Heat source	Electricity
Temperature control	50 to 100°C
processing power	3 mattresses or 4 futons or 2 wheelchairs / 2 H

## Welfare equipment Disinfection / Antibacterial / Drying machine **RC-W**

**Clean easily persistent dirt on the wheels just simply putting on the machine.**

- Available to handle whole beds that can not be disassembled.
- Available to handle tools entering the cabinet such as wheelchair.
- Disinfect firmly the inside, insecticide, miticide mattress and bedding.

**Bactericidal effect test data acquired**



Sheet key operation panel

Size	W1,780×L2,300×H1,560mm	Temperature control	50°C to 100°C
Power supply	AC 100V 20A	processing power	5 mattresses or 6 futons or 4 wheelchairs
Heat source	Kerosene		

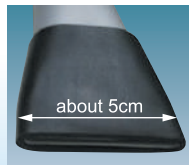
## Low pressure / large air volume blower **AR-1**

**For wheelchair and bed draining and drying after cleaning. Excellent stable pressure and air volume in continuous operation.**

**Low energy design**

**Low noise design**

- Low pressure and large air volume blower make an excellent energy saving effect and short time drain. (Save energy 270% than compressor)
- Even in continuous operation, pressure and air volume did not decrease and works with low noise.
- Appropriated to draining or drying with a moderate hot air.



Extrude with a strong wind pressure of about 5 cm wide

Size	W586×L610×H1,065mm	Weight	68kg
Power supply	Three-phase 200V 10A	Discharge pressure	20kPa
Noise	60dB(A) or less	Discharge air quantity	1,400L/min

## Wheel chair wheel washer **RM-2**

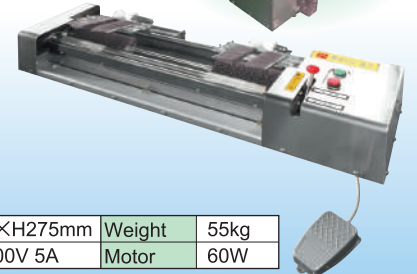
**Clean easily persistent dirt on the wheels just simply putting on the machine.**

- Available not only to self-propelled, but also to assistant and electric type.
- Available to clean walking aid and other goods also.
- Compact body and can effectively utilize to the working space.
- Available to clean wheels side also.



**Front wheel caster**

Before washing After washing



Size	W1,160×L430×H275mm	Weight	55kg
Power supply	Single phase 100V 5A	Motor	60W

**TKC TOKAI KIKI Kogyo Co., Ltd.**

URL <http://www.tokaisun.com/>

Head Office Plant 73 Osada Ubukuji, Kitagoya-city, Aichi 481-0035

TEL.0568-68-7111 FAX.0568-68-7011

Parts order FAX.0120-673139

● Agency



Head office / Factory



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