



# MIDORI ANZEN

MIDORI ANZEN



## NO.1 SAFETY SHOES IN JAPAN

Products For Safety, Health And Comfortable Workplace



# ACTIVE SAFETY WORK SNEAKER AS-05

TYPE : AS-05 EE.AS-05EEE

COLOR : BLACK/RED,NAVY/LIME

## COOL DESIGN!

- ✓ Synthetic Leather & Breathable Mesh
- ✓ Lightweight only 720g / pair !
- ✓ Ultra-Cushioning Midsole
- ✓ JSAA Certified  
(Japan Standard)



### Reinforced Toe Protection for Extra Durability



A TPU toe cap enhances abrasion resistance, protecting the toe area from wear—especially when operating machinery with your feet.

### 3D EVA Cup Insole for Arch Support

Designed to match the natural contours of your feet



3D-molded EVA cup insole provides superior arch support

### Breathable Mesh



The side part of the upper uses a highly breathable mesh, effectively releasing heat and moisture inside the shoe.

### Exceptional Cushioning for All-Day Comfort



The midsole features a newly formulated high-cushion EVA material that effectively absorbs impact, reducing strain on your feet.

### Slip sign and Abrasion Resistance



With a top-tier Slip Resistance Level 5, the outsole offers outstanding grip and durability. Plus, a built-in slip wear indicator lets you know when it's time for a replacement.

## RESIN TOE CAP



### JSAA Standard Class A Protective Sneaker

Toe Cap  
Upper  
Insole  
Outsole  
Size

Wide Resin Toe Cap 70J  
Artificial Leather & Breathable Mesh  
Antibacterial & Deodorizing EVA 3D Cup Insole  
EVA + high-grip synthetic rubber  
22.0 – 24.0 cm (EE)  
24.5 – 28.0, 29.0, 30.0 cm (EEE)  
720g (23.5 cm) / 830g (26.0 cm)



### SIZE CONVERSION CHART

Midori Size (cm.)	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28	29	30
Euro	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
UK	3	3.5	4	5	5.5	6	6.5	7	8	8.5	9	9.5	10	11.5	12.5



BLACK/RED

NAVY/LIME

# AG3 SERIES

**ESD SAFETY SHOES RESIN TOE CAP** 

## JIS T8103 Standard Class S Safety Sneaker

Toe Cap	Wide Resin Toe Cap 70J
Upper	Artificial Leather
Sole	Dual Density PU Sole
Size	22.0-28.0, 29.0, 30.0 cm (EEE)
Standard Weight	750g / pair (Reference Size 26 cm)
ESD Value	$1.0 \times 10^5 \leq R \leq 1.0 \times 10^8$



### AG3590 NAVY



### AG3595 NAVY



### AG3595 WHITE



# MPN305S

**ESD SAFETY SHOES RESIN TOE CAP** 

## JSA Standard Class A Protective Sneaker

Toe Cap	Wide Resin Toe Cap 70J
Upper	Artificial Leather
Sole	EVA Synthetic Rubber
Size	22.0-28.0, 29.0, 30.0 cm (EEE)
Standard Weight	800g / pair (Reference Size 26 cm)
ESD Value	$1.0 \times 10^5 \leq R \leq 1.0 \times 10^8$



### BLACK



### WHITE



# FOOTWEAR ACCESSORIES

## INSTEP PRO FOR SNEAKER



Just 3 Steps to Wear



Material	Size
Resin / Artificial leather	M (22.0 - 24.0 cm)
	L (24.5 - 26.0 cm)
	LL (26.5 - 30.0 cm)

## STEEL PLATE CUP INSOLES



Adjustable to your foot size



Highly flexible



0.5mm Anti-penetration steel plate

Material	Size
Non woven / Stainless steel plate	SS (21.0 - 22.5 cm)
	S (23.0 - 24.5 cm)
	M (25.0 - 26.5 cm)
	L (27.0 - 28.5 cm)
	LL (29.0 - 31.0 cm)

## INSTEP E BLACK FOR ACF



Material	Aluminum	
Size	M (23.5 - 25.5 cm)	L (26.0 - 28.0 cm)

## ACF CUP INSOLE



Material	Size	Color
EVA	22.0-30.0	Yellow

# UG3 SERIES

## UG3695 BLACK



Steel Plate

### ESD SAFETY SHOES STEEL TOE CAP

**JIS T8103 Standard U Type**  
**SIRIM MS ISO 20345 2008**



Toe Cap  
Upper  
Sole  
Midsole  
Insole  
Size  
Standard Weight  
ESD Value

Wide Steel Toe Cap 200J  
Artificial Leather  
Dual Density PU Sole  
Steel Plate  
3D EVA Cup Insole  
22.0-28.0, 29.0, 30.0 cm (EEE)  
990g / pair (Reference Size 26 cm)  
 $1.0 \times 10^5 \leq R \leq 1.0 \times 10^9$



### ESD SAFETY SHOES STEEL TOE CAP

**JIS T8103 Standard U Type**  
**SIRIM MS ISO 20345 2008**



Toe Cap  
Upper  
Sole  
Insole  
Size  
Standard Weight  
ESD Value

Wide Steel Toe Cap 200J  
Artificial Leather  
Dual Density PU Sole  
3D EVA Cup Insole  
22.0-28.0, 29.0, 30.0 cm (EEE)  
880g / pair (Reference Size 26 cm)  
 $1.0 \times 10^5 \leq R \leq 1.0 \times 10^9$



## UG3695 NAVY



## UG3695 WHITE



# ACF SERIES

### ESD SAFETY SHOES STEEL TOE CAP



## ACF211



## ACF210



## ACF200



**SIRIM MS ISO 20345 2008**  
**CE Standard EN: ISO 20345:2011/**  
**JIS T8101 Standard**

Toe Cap  
Upper  
Sole  
Size  
Standard Weight  
ESD Value

Wide Steel Toe Cap 200J  
Authentic Leather  
(Light Embossed Leather)  
Dual Density PU Sole  
(Slip Resistant)  
22.0-28.0, 29.0, 30.0 cm (EEE)  
950g / pair  
(Reference size 26 cm)  
 $1.0 \times 10^5 \leq R \leq 1.0 \times 10^9$

## ACF220



**SIRIM MS ISO 20345 2008**  
**CE Standard EN: ISO 20345:2011/**  
**JIS T8101 Standard**

Toe Cap  
Upper  
Sole  
Size  
Standard Weight  
ESD Value

Wide Steel Toe Cap 200J  
Authentic Leather  
(Light Embossed Leather)  
Dual Density PU Sole  
(Slip Resistant)  
23.5-28.0, 29.0, 30.0 cm (EEE)  
1,100g / pair  
(Reference Size 26 cm)  
 $1.0 \times 10^5 \leq R \leq 1.0 \times 10^9$



#### SIZE CONVERSION CHART

Midori Size (cm.)	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28	29	30
Euro	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
UK	3	3.5	4	5	5.5	6	6.5	7	8	8.5	9	9.5	10	11.5	12.5

# MIDORI FOOT WEAR

Midori Anzen safety shoes are thoughtfully designed with the user in mind—combining Japanese innovation with ergonomic research and high-quality materials.

## Wide Toe Cap

**4 mm wider toe cap**, based on 20,000+ foot shape surveys, offers a better fit for all-day wear.



## Flexible & Cushioned

**Dual-density PU sole** using Midori's proprietary formula provides superior flexibility and shock absorption.



## Lightweight with Steel Toe Protection

Less than **950g per pair**—ideal for professionals on their feet all day.



## High Anti-Slip Grip

Advanced outsole technology delivers **Level 4–5 slip resistance** under Japanese testing standards.



## International Certification

Compliant with JIS and CE standards for trusted protection and durability.

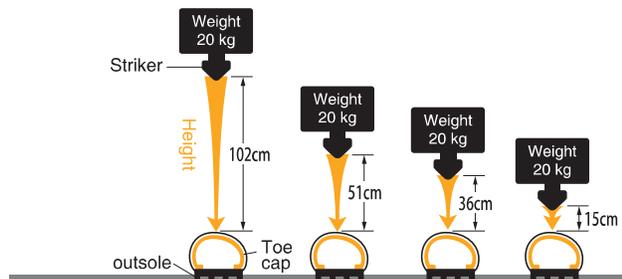


## JIS and JSAA SAFETY ENSURED BY JAPANESE STANDARDS



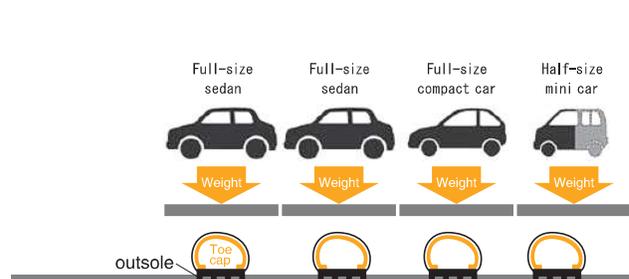
### Impact Resistant Test

Standard	Ultra Heavy Duty	Heavy Duty	Standard	Light
JIS	U Type	H Type	S Type	L Type
JSAA	—	—	A Type	B Type
Impact Energy (J)	200J	100J	70J	30J



### Compression Test

Standard	Ultra Heavy Duty	Heavy Duty	Standard	Light
JIS	U Type	H Type	S Type	L Type
JSAA	—	—	A Type	B Type
Pressure Resistant	15kN	15kN	10kN	4.5kN



## HYDROLYSIS

Polyurethane (PU) soles naturally deteriorate over time when exposed to moisture and humidity, leading to **cracking, crumbling, or sole separation**.

### Main Causes of Hydrolysis:

- Storage in humid or poorly ventilated areas
- Long periods of non-use
- Exposure to high heat or direct sunlight



### Warning Signs:

- The soles crumbled even without wearing the shoes
- The sole is peeling off

## HOW TO KEEP

### Safety Shoe Care Tips

- **Store in dry, ventilated areas**
  - Avoid humidity and sealed containers.
- **Use regularly**
  - Long-term storage without use accelerates degradation.
- **Keep away from heat and sunlight**
  - High temperatures speed up damage.
- **Never store wet shoes**
  - Ensure they are fully dry.
- **Use moisture absorbers**
  - Silica gel helps reduce humidity in storage.

# CLEANROOM MES-400 ESD SHOES AND WRIST STRAP CHECKER



Quick and Easy Checking

### ONLY STAND AND TOUCH

- Individually checks each ESD shoe
- Adjustable upper and lower threshold limits
- Checks ESD shoes and wrist straps simultaneously or separately
- Free software for displaying measurement data on a computer

Measure Resistance Level	Shoe High Limit 10MΩ / 100MΩ / 1000MΩ (Option 35MΩ) Shoe Low Limit 0.1MΩ / 1MΩ (Option 0.75Ω) Wrist High Limit 10MΩ / Wrist Low Limit 0.75MΩ
Power Supply	AC Adapter ( DC6V ) Display   LED
Dimension	Measurement part : 200 mm × 130 mm × 40 mm Dual electrode plate: 350 mm × 160 mm × 35 mm

## MCG SERIES ELECTROSTATIC DISSIPATIVE

### MCG601N

15-Gauge



### MCG801N

13-Gauge



### ESD-Safe Precision Gloves

- ✓ Full carbon yarn knit for reliable static protection
- ✓ Reinforced cuffs for long-term, washable use
- ✓ Soft urethane coating for comfort and precision in delicate tasks

Gloves	Nylon with Carbon
Grip Coating	Conductive Yarn Polyurethane
Size	SS / S / M / L / LL

## MSCR SERIES RESIN TOE CAP

### JIS T8103 Standard Class S ESD Safety Shoes

Toe Cap	Wide Resin Toe Cap 70J
Upper	Artificial Leather
Sole	Dual Density PU Sole
Size	LSCR1200 22.0~23.0 MSCR1200 23.5~28.0, 29.0, 30.0cm
ESD Value	$1.0 \times 10^5 \leq R \leq 1.0 \times 10^8$



MSCR1200N



MSCR1200 HALF HOOD



MSCR1200H HOOD

## ELEPASS SERIES

### JIS T8103 Standard ELEPASS COOL N



WHITE

GRAY



Upper	Artificial Leather
Sole	Polyurethane Foam
Size	22.0 - 28.0, 29.0, 30.0 cm
Standard Weight	440g / pair (Reference size 26 cm)
ESD value	$1.0 \times 10^5 \leq R \leq 1.0 \times 10^8$

### ELEPASS COOL LIGHT N

WHITE

GRAY



Upper	Artificial Leather
Sole	Polyurethane Foam
Size	S / M / L / LL / LLL
Standard Weight	420g / pair (Reference size L)
ESD Value	$1.0 \times 10^5 \leq R \leq 1.0 \times 10^8$

#### SIZE CONVERSION CHART

Midori Size (cm.)	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28	29	30
Euro	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
UK	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

S	M	L	LL	LLL
23.5-24	24.5-25	25.5-26	26.5-27	27.5-28

# SAFETY GLASSES

Double-Sided Anti-Fog JIS ANSI JIS/ANSI standard UV CUT UV CUT

## VD-202FT



Material | PC, Nylon, PVC  
Lens PC (Double sides anti-fog coating)  
Weight | 37g



### Double Protection!

#### Gasket for VD-202FT

Effective Shielding from Dust and Liquid Splashes



## MP-822



Material | PC, Elastomer, Soft PVC (nose pad)  
Lens PC (Double sides anti-fog coating)  
Weight | 28g

## VS-301F



Material | PC, Elastomer, Lens PC (Double sides anti-fog coating)  
Weight | 50g

# NITRILE GLOVES

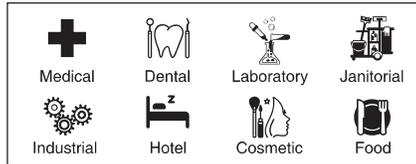


- ✓ Powder Free
- ✓ Oil Resistance
- ✓ Chemical Resistance
- ✓ Perfect Fit
- ✓ Anti - Slip

### STANDARD



Material | 100% Nitrile  
Thickness | 6.2 mil (0.16 mm)  
Size | S / M / L  
Color | Blue  
Package | 100pcs / box (50 pairs)

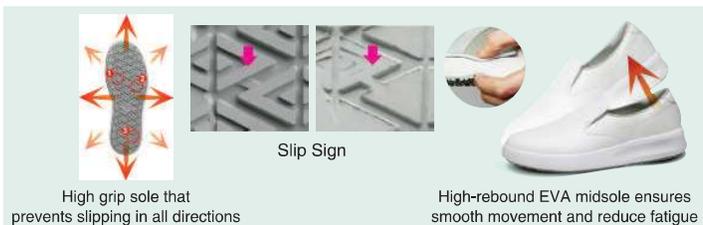


# NHF-600 HiGRIP THE 4<sup>th</sup>

RESTAURANT & HOTEL INDUSTRY JSAA

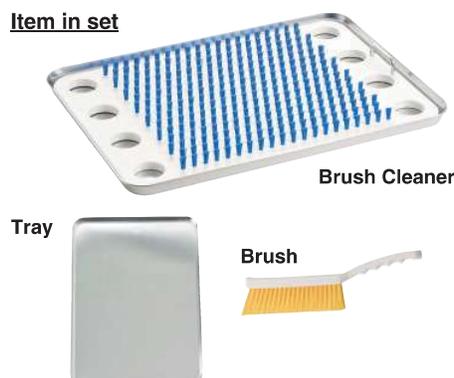
## JSAA Standard Class A Protective Sneaker

Toe Cap | Wide Resin Toe Cap 70J  
Upper | Artificial Leather  
Sole | EVA Foam / Synthetic Rubber  
Size | 22.0-28.0, 29.0 cm, 30.0 cm (EEE)  
Standard Weight | 610g / pair (Reference Size 26 cm)



# SHOES SOLE CLEANER SET

### Item in set



### How to Use

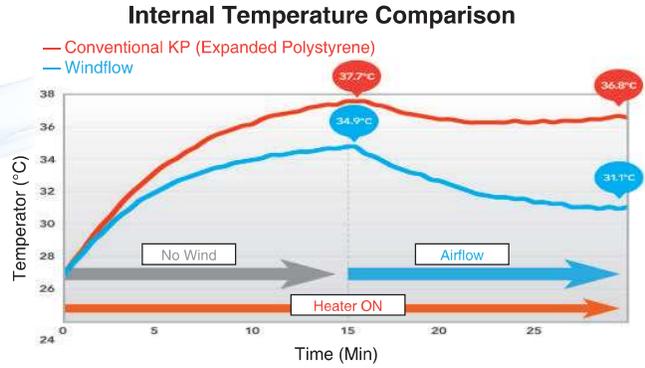
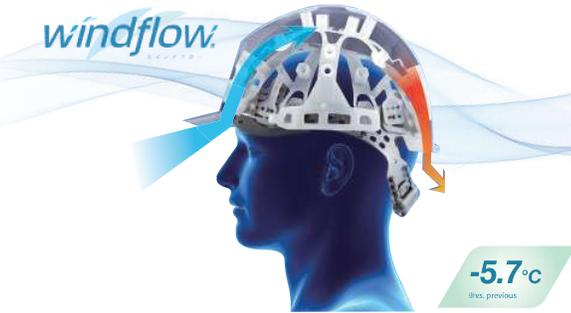
- Step 1** Pull from front to back **Step 2** Twisting while scrubbing **Step 3** Twist and scrub the toes and heels as well.



Material | PP/SUS304  
Dimensions | 461 × 341 × 23 mm

# HELMET

## THE NEXT-GENERATION HELMET ENHANCED VENTILATION & ADVANCED SAFETY



- New design prevents heat buildup and cools faster, keeping you comfortable all day.

### Innovative Dual-Layer Impact Absorption Liner



Radiant heat

Ventilation

- Replaced Styrofoam liners with a dual-layer pad system. More space = better ventilation.

### Washable for lasting cleanliness. Easy hygiene!



- Durable resin pad
- Water-washable, easy to clean

### One-Touch Removal System



- One-touch system for quick inner lining removal.

### Other Inner Options



Alpha Liner

- Upgraded KP better absorption liner (Made of Styrofoam)
- Improved air circulation keeps you cooler
- Provides extra comfort during work under the blazing sun



Radiant heat

Ventilation



(Keep Pad)

- Styrofoam impact absorption liner
- Designed for fall protection with high impact absorption
- Helps reduce temperature from direct sunlight with insulation



Radiant heat

Ventilation

### Logo and Line Printing



Leave it to Midori Anzen!  
Create Your Own Original  
Helmet with Your Company's  
Logo Printed Directly!

## FLATMET 2

- Emergency
- Working



### EASY TO KEEP



### Color Variation



Material | PP / ABS / PC  
Weight | 420g  
Head Size | 47~62 cm  
Accessories | Bag

\*Foldable Helmet  
\*The most slim foldable helmet in the world  
**Only 3.3 cm!!**

## FLATMET 3

- Emergency
- Working



### Lightweight and compact

Material | ABS / PC  
Weight | 385g  
Head Size | 52.5~63 cm  
Accessories | Bag

### Helmet for Real Work



Strong enough for actual worksite use, not just emergencies

### Choose from a variety of colors!



## HELMET ACCESSORIES

### HELMET HANGER



SC Keeper 2

### INNER CAP



INC-200B

### PAPER CAP



PC-800

### EARMUFF



### FACE SHIELD



# MIDORI ANZEN'S HELMET SELECTION FIND THE PERFECT FIT



<p><b>SC-11PCL RA</b></p> 	<ul style="list-style-type: none"> <li>● Material: PC</li> <li>● Weight: 450g</li> <li>● Head Size: 55-62 cm</li> <li>● Visor: Smoke</li> </ul> 	<p>windflow. Alpha Liner KP (Keep Pad)</p> 
<p><b>SC-12PCLV RA</b></p> 	<ul style="list-style-type: none"> <li>● Material: PC</li> <li>● Weight: 440g</li> <li>● Head Size: 55-62 cm</li> </ul> 	<p>windflow. Alpha Liner KP (Keep Pad)</p> 
<p><b>SC-13PCLV RA</b></p> 	<ul style="list-style-type: none"> <li>● Material: PC</li> <li>● Weight: 445g</li> <li>● Head Size: 55-62 cm</li> <li>● Visor: Orange</li> </ul> 	<p>KP (Keep Pad)</p> 
<p><b>SC-17BV RA</b></p> 	<ul style="list-style-type: none"> <li>● Material: ABS</li> <li>● Weight: 410g</li> <li>● Head Size: 55-62 cm</li> </ul> 	<p>KP (Keep Pad)</p> 
<p><b>SC-19PCLVS RA</b></p> 	<ul style="list-style-type: none"> <li>● Material: PC</li> <li>● Weight: 510g</li> <li>● Head Size: 52.5-63 cm</li> <li>● Visor: Smoke</li> </ul> 	<p>windflow. Alpha Liner</p> 
<p><b>SC-21PCLS RA</b></p> 	<ul style="list-style-type: none"> <li>● Material: PC</li> <li>● Weight: 565g</li> <li>● Head Size: 52.5-63 cm</li> <li>● Visor: Green</li> </ul> 	<p>KP (Keep Pad)</p> 
<p><b>SC-23B DR2</b></p> 	<ul style="list-style-type: none"> <li>● Material: ABS</li> <li>● Weight: 430g</li> <li>● Head Size: 52-63.5 cm</li> </ul> 	<p>Alpha Liner</p> <p>Suitable for use with earmuffs</p> 
<p><b>SC-MB RA</b></p> 	<ul style="list-style-type: none"> <li>● Material: ABS</li> <li>● Weight: 380g</li> <li>● Head Size: 55-62 cm</li> </ul> 	<p>KP (Keep Pad)</p> 
<p><b>BUMP CAP SCL-200A</b></p> 	<p><b>FOR LIGHT INDUSTRY</b></p> <ul style="list-style-type: none"> <li>● Material: PE</li> <li>● Weight: 175g</li> <li>● Head Size: 53-62 cm</li> </ul>	<p><b>Lightweight Work Cap</b> Replaces fabric caps and helps prevent minor head injuries.</p> 

# CONSTRUCTION (SAFETY BELT/HARNESS)

**130kg** Maximum Arrest Force 130 kg

## FULL BODY MESH HARNESS MHF-790N

Shoulder belt	Width 45 mm, Polyester
Chest Buckle	One touch aluminum buckle
Chest belt	Width 30 mm, Nylon
D-Rings	Steel
Shape	Back X type · Thighs V type

Approximate weight  
790G

※M size without lanyard



# SAFETY BELT

Maximum Arrest Force

**100kg**



## MSK-700L

Buckle	Weight	Color	Size	
Aluminum made slide	850g	Blue Yellow Black	Belt	W 50mm x L 1200mm
			Lanyard	W 17mm x L 1150mm

**130kg**



## MFD-500L-10L-LL

Buckle	Weight	Color	Size	
Aluminum made slide	1,790g	Blue Yellow Black	Belt	W 50mm x L 1600mm
			Retractable Lanyard	W 15mm x L 1400mm
			Elastic Lanyard	W 32mm x L 800-850mm

**100kg**



## MSK-501-10L

Buckle	Weight	Color	Size	
One-touch	1,720g	Blue Yellow Black	Belt	W 50mm x L 1200mm
			Retractable Lanyard	W 17mm x L 1650mm
			Elastic Lanyard	W 27mm x L 1250mm

# TALKNAVI II



### Specification

Material	Product size	Weight	Power supply
ABS	100 x 340 x 45 mm	600g (excluded battery)	4 AA alkaline batteries or AC Adapter (Option)

### Ideal for:

- ✓ **Construction zones** – Warn workers about high-risk areas and remind them to wear PPE.
- ✓ **Factories & Warehouses** – Prevent unauthorized access to restricted zones.
- ✓ **Parking lots** – Alert pedestrians and drivers to potential hazards.
- ✓ **Public spaces** – Improve safety in high-traffic or dangerous locations.



- Automatic Voice Alert – Detects movement and plays a warning message
- Can be powered by alkaline batteries
- Customizable Messages – Easily record and update messages
- Weatherproof Design – Suitable for outdoor use with rainproof capabilities

# CUT GUARD GLOVES

## Cut Guard

- Cut Level 3
- 13G
- Polyethylene (VERPLANTS(R)), PU
- PU Coating



130V



130BV



## Cut Guard CB130

- Cut Level 5
- 15G
- Tsunooga
- Nitrile Coating

ESD

# RUBBERTEC SERIES

**RT712N** ESD RESIN TOE CAP

## JIS T8103 Standard Class S

Toe Cap	Wide Resin Toe Cap 70J
Upper	Authentic Leather
Sole	Dual Density Rubber Sole
Size	22.0-28.0, 29.0, 30.0 cm (EEE)
Standard Weight	950g / pair (Reference Size 26 cm)
ESD Value	$1.0 \times 10^5 \leq R \leq 1.0 \times 10^7$



**RT4009N** RESIN TOE CAP

Toe Cap	Wide Resin Toe Cap 70J
Upper	Authentic leather
Sole	Dual Density Rubber Sole
Size	23.5 – 28.0 cm (EEE)
Standard Weight	1,060g / pair (Reference Size 26 cm)



Polyurethane (PU) Rubbertec®

# LOGISTICS

- ✔ No More Stretch Film!
- ✔ Reusable Pallet Cover
- ✔ Washable

- ✔ Reduce Waste Less CO2
- ✔ Minimize Working Time
- ✔ Fits Any Shape



## Reusable Wrap

Size | 75 cm x 320 cm  
Material | Polyester, PU



## Reusable Pallet Cover

Size | 90 cm x 150 cm  
Material | Nylon, PU



# COOL FAN VEST VERSION 2

Cooler, Stronger, Smarter-Experience the Next Level with Turbo Power



- ✔ Turbo Mode delivers maximum cooling for up to 1 hour of continuous use - perfect for extreme heat or high - activity tasks.
- ✔ Ultra - Long Batter Life up to 20 hours.
- ✔ Fully recharges in just 7 hours, to maintain performance throughout your workday.
- ✔ Lightweight and durable - only 1,101g, designed for all-day wear without fatigue.
- ✔ Greater control, stronger airflow, and enhanced comfort for all - day wear.

# POLO SHIRT



Quick Dry

Soft Touch

Pilling Prevention

High Durability

Size: S, M, L, XL

Material: 100% polyester

Color: ● Khaki ● Navy ● Blue ○ White ● Gray

# ACTIVE SAFETY SNEAKER

## IA-805

Next-Level Sneakers with an Air cushion

Toe cap: Wide Resin Toe Cap 70J  
Upper: Artificial Leather / Mesh  
Sole: EVA / synthetic rubber (Air cushion)  
Size: 22.0 - 30.0 cm  
Standard: JSAA



## QL-15

Quantum Bounce QL FOAM

Toe cap: Wide Resin Toe Cap 70J  
Upper: Synthetic leather / Mesh  
Sole: EVA (QL foam) / synthetic rubber  
Size: 22.0 - 30.0 cm  
Standard: JSAA



## AS-10

Next-Level Sneakers with a Flexible Fit

Toe cap: Wide Resin Toe Cap 70J  
Upper: Synthetic leather / Mesh  
Sole: EVA / synthetic rubber  
Size: 22.0 - 30.0 cm  
Standard: JSAA



## G4 Series

New-Gen for safety G4 Sneaker

Toe cap: Broad Resin Toe Cap 70J  
Upper: Synthetic leather / Mesh  
Sole: Dual Density PU Sole  
Size: 21.0 - 31.0 cm (EEE)  
Standard: JSAA / JIS T8101 / JIS T 8103





# Enhance Hazard Awareness Step into the Virtual

Increase "Risk Sensitivity"

Facing These Challenges in  
Workplace Safety Training?

**Experience simulated dangers with VR**  
How about using VR (Virtual Reality) to simulate danger and improve awareness?  
It's not just for fun like a VR game...

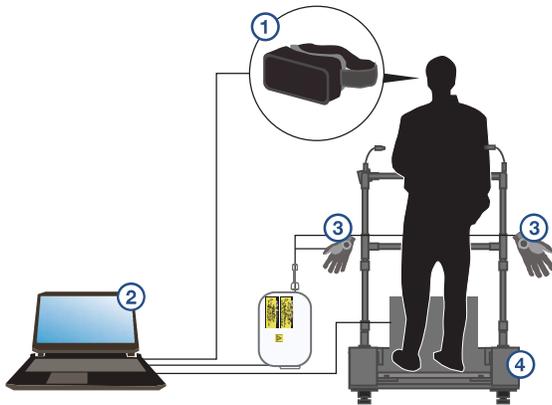
**Experience the "fear" linked to work**  
A training tool to raise safety awareness without the risk of actual injury.

**Just classroom learning doesn't feel real.**  
I'm used to it. I don't get in accidents.

**It's hard to convey the fear of workplace accidents...**  
Falls down  
Electric shocks  
Getting caught or entangled in machinery

Using VR in safety training allows for realistic and memorable disaster experiences—almost like the real thing.

## VR RiMM (Risk Management Method)



### RiMM STANDARD SET

VR Goggles (HMD)	Notebook	Carrying case	Electrostatic simulation gloves	SCE-06 Electric shock accident

### RiMM FULL SET

VR Goggles (HMD)	Notebook	Carrying case	Electrostatic simulation gloves	Gull wing motion base	SCE-05 Fall down accident	SCE-06 Electric shock accident

#### Point 1

#### Electrostatic simulation gloves

The sensation of static electricity from the gloves enhances the realism of accident simulations, providing a more immersive and lifelike experience. Also, the frequency of the static electricity can be adjusted.

#### Point 2

#### Gull wing motion base

The up-and-down motion combined with wind effects simulates a realistic falling sensation, making it feel as if the object is truly dropping.

#### Point 3

#### Variety of scenarios

More than 100 scenarios and Available with voice dubbing in your preferred language.

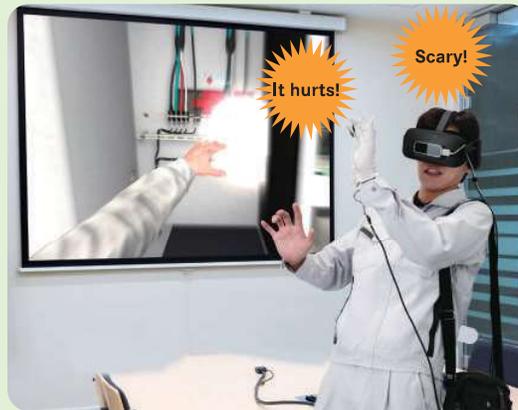
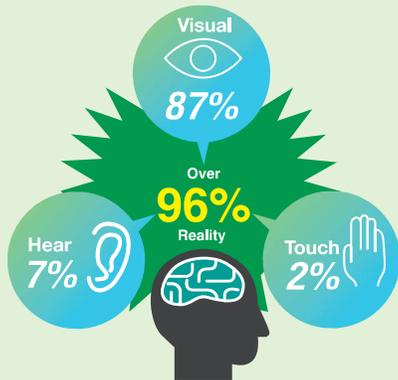
### Scenario



Experience It for Yourself – Demo Unit Available!

# with VR Disaster Simulations World for Safety Training

In addition to visual and auditory simulation, the system also recreates the sense of touch, achieving up to 96% sensory realism. By making users feel emotions like "scary!" or "unpleasant!", it enhances their sensitivity to danger.



## 3-AXIS VR SIMULATOR

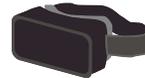


### STANDARD SET



1. VR Goggles (HMD) 2. Notebook

### FULL SET



1. VR Goggles (HMD) 2. Notebook 3. 3-axis VR simulator

#### Point 1

##### 3-axis simulator

Moves in three directions to closely match actions in the virtual world for a more realistic experience.

#### Point 2

##### Available for Purchase or Rental — with a Wide Range of Set Options!

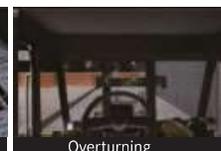
Content is also available by subscription, so you can keep experiencing the latest simulations as they're released.

#### Point 3

##### Review the situation

Each contents explores the cause of the accident and provides key safety tips to help prevent future incidents.

### Contents



Contact us to arrange a hands-on demonstration.

# OIL MIST COLLECTOR

## CLEAN WONDER WR SERIES

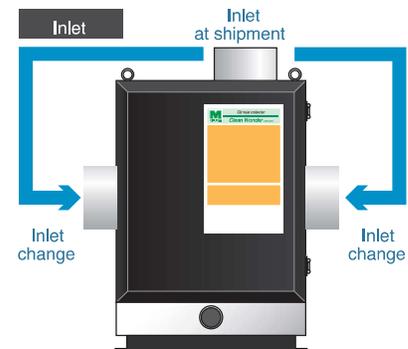
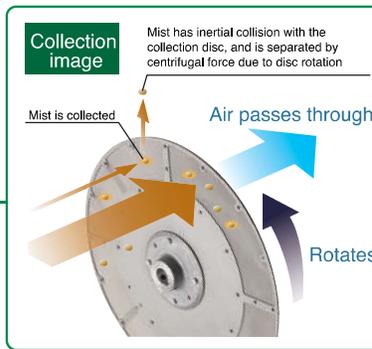
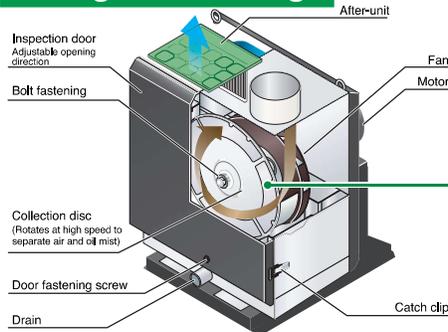
### High-speed Rotating Disc Centrifugation

#### High-speed Rotating Disc Centrifugation

A rotating disc is mounted on the collection part to collect oil mist through inertial collision and centrifugation. In addition, the self-cleaning action of the disc by centrifugal force alleviates the problem of reduced air volume due to clogging compared to the filter method, and maintains performance for prolonged periods. (Efficiently collects particles of 1µm or more)



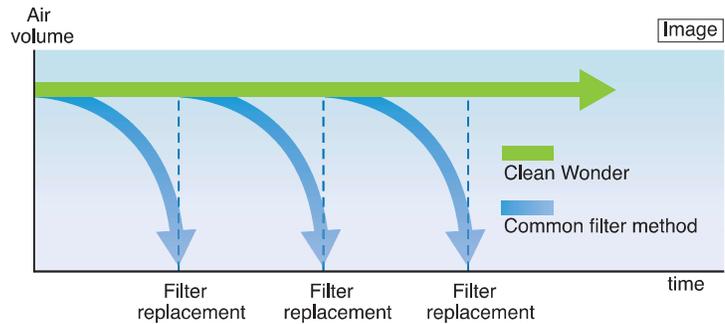
#### Configuration image



#### No Filter Replacement Required

Because the equipment is filter-free, there is less clogging and air volume is maintained. The disc can be reused simply by cleaning, therefore there is no waste, making the equipment environmentally-friendly.

A typical filter method leads to a reduction in air volume over time, as well as a decrease in collection capability. The centrifugal Clean Wonder is less susceptible to clogging due to self-cleaning, so there is little reduction in air volume, long-term collection capacity, and less maintenance work.



#### Specification

Model	WR-054-J	WR-104-J	WR-204-J
Power supply	Three-phase 200V AC ± 10% 50/60Hz		
Maximum air volume (50/60 Hz)	4,6/5,4 m³/min	7,3/8,6 m³/min	13/15 m³/min
Maximum external static pressure (50/60 Hz)	0,8/1,1 kPa	1,1/1,5 kPa	1,2/1,7 kPa
Collection method	High-speed rotating disc centrifugation		
Collection efficiency	99% (Water soluble mist)		
Motor output	0,4 kW 2P	0,75 kW 2P (IE3 high efficiency motor)	1,5 kW 2P (IE3 high efficiency motor)
Temperature and humidity of service environment	0°C to 40 °C, RH 90% or less (indoor specifications)		
Temperature of intake gas	0°C-50°C		
Collection target	Can be used for both oil-based and water-soluble oil mist (No collection of first and second petroleum products) (However, may not be possible to use depending on the oil mist generated)		
Maximum density at inlet	50 mg/m³ or less		
Intel	Φ 98 mm	Φ 123 mm	Φ 148 mm
Noise (50/60 Hz)	66/80 dB[A]	69/73 dB[A]	71/75 dB[A]
Weight	34 kg	44 kg	62 kg
Drain	Rp1" socket		
Collection disc outer diameter	Φ 280	Φ 330	Φ 360
Paint color	Munsell No. 5Y9/0.5 (housing)/MunsellNo. No.0 (door, mortar base)		
Other	CE and RoHS compatible		

#### Easy Maintenance



1. Open the inspection door



2. Air blow cleaning

# OIL MIST COLLECTOR

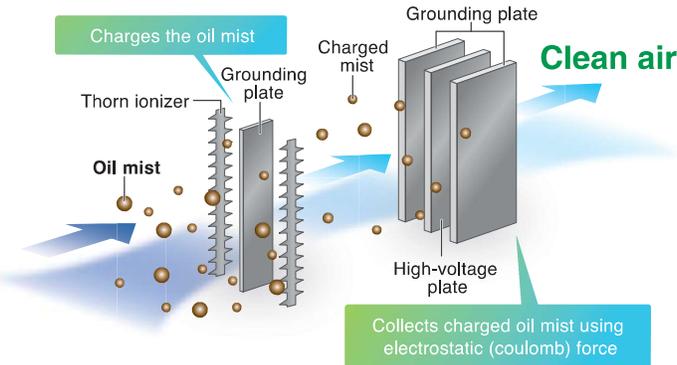
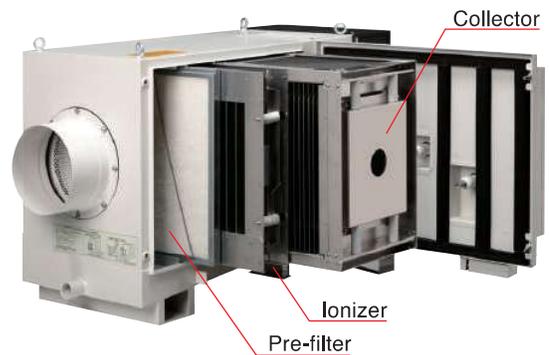
## M-CLEAN MCH-15

Power supply	Three-phase 200V AC ± 10% 50/60Hz
Related air volume	15 m³/min
External static pressure (50/60 Hz)	180*1 / 900Pa*2
Collection method	Two-stage type electrostatic mist collection
Collection efficiency	99.5% (weight ratio with filter paper)
Power consumption (50/60 Hz)	410*2 / 900W*2
Current Value (50/60 Hz)	2.1*2 / 4.5A*2
Motor output	0.75 kW/2 pole (inverter control)
Maximum density at inlet	200 mg/m³
Temperature and humidity of service environment	0°C to 40°C, RH 90% or less
Temperature of intake gas	0°C-40°C.
Collection target	Can be used for both oil-based and water-soluble oil mist (No collection of first and second petroleum products) (However, may not be possible to use depending on the oil mist generated)
Noise	65dB[A]*2
Weight	71kg
Drain	Rp1" socket
Paint color	Munsell No. 5Y9/0.5 (housing)/Munsellno. No.0 (door, motor base)

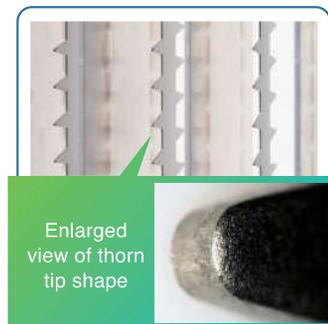
\*1: At 15 m³/min, inverter output frequency is 39.5 Hz (at the time of factory shipment)  
 \*2: At 15 m³/min, inverter output frequency is 60 Hz (maximum)

## Electrostatic Collector for Oil-based and Water-soluble Oil Mist

Collects oil mist (oil-based and water-soluble) with high efficiency and low-pressure loss using a collector equipped with a thorn ionizer and semi-insulated plastic shaft



## Ionizer Features

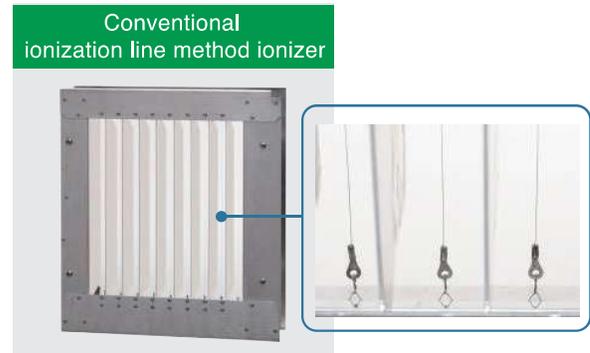


Enlarged view of thorn tip shape

The discharge electrode material is made of pure titanium with excellent durability. The thorn tip shape is optimized to achieve high efficiency.



New thorn ionizer

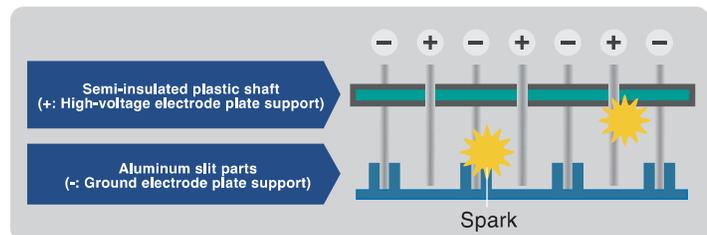
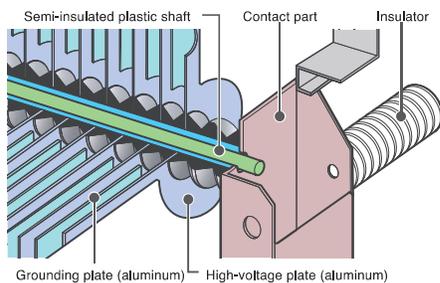


Conventional ionization line method ionizer

## Sparkless Technology

Stable dust collection performance by adopting semi-insulated plastic shaft!

"Sparkless" is achieved by adopting a semi-insulated plastic shaft structure for the high voltage supply of the collector. It is less likely to leak current or generate sparks, resulting in high efficiency and stable dust collection performance.



\*Structural image