



MIDORI ANZEN
THAILAND

SAFETY SOLUTIONS

FOR EVERY WORKPLACE

ความปลอดภัย
เพื่อทุกก้าวของการทำงาน

NO.1
SAFETY
SHOES
IN JAPAN



AG3 SERIES

AG3590 NAVY



AG3595
NAVY

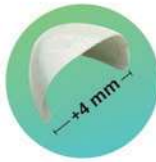


AG3595
WHITE

 **ESD SAFETY SHOES** **RESIN TOE CAP**

JIS T8103 Standard Class S Safety Sneaker

Toe cap Wide Resin Toe cap 70J
Upper Artificial Leather
Insole 3D EVA Cup Insole
Outsole Dual Density PU Sole
Size 22.0 - 28.0, 29.0, 30.0 cm (EEE)
Weight 750g/pair
ESD Value $1.0 \times 10^5 \leq R \leq 1.0 \times 10^8$



AS-05



RESIN TOE CAP

JSAA Standard Class A Protective Sneaker

Toe cap Wide Resin Toe cap 70J
Upper Artificial Leather & Breathable Mesh
Insole Antibacterial & Deodorizing EVA 3D Cup Insole
Outsole EVA / High-Grip Synthetic Rubber
Size 22.0 - 24.0 (EE)
24.5 - 28.0, 29.0, 30.0 cm (EEE)
Weight 830g/pair



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

MPN-305S



 **ESD SAFETY SHOES** **RESIN TOE CAP**

JSAA Standard Class A Protective Sneaker

Toe cap Wide Resin Toe cap 70J
Upper Artificial Leather
Insole Antibacterial & Deodorizing EVA Cup Insole
Outsole EVA / Synthetic Rubber
Size 22.0 - 28.0, 29.0, 30.0 cm (EEE)
Weight 800g/pair
ESD Value $1.0 \times 10^5 \leq R \leq 1.0 \times 10^8$



NHF-600

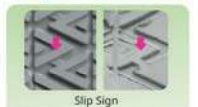
EXCELLENT SLIP RESISTANCE



 **RESTAURANT & HOTEL INDUSTRY** **RESIN TOE CAP**

JSAA Standard Class A Protective Sneaker

Toe cap Wide Resin Toe cap 70J
Upper Artificial Leather
Insole Antibacterial & Deodorizing EVA Cup Insole
Outsole EVA foam / High-Grip Synthetic Rubber
Size 22.0 - 28.0, 29.0, 30.0 cm (EEE)
Weight 610g/pair



UG3 SERIES



ESD SAFETY SHOES

STEEL TOE CAP

- JIS T8103 Standard U Type
- SIRIM MS ISO 20345: 2008

Toe cap Wide Steel Toe cap 200J

Upper Artificial Leather

Insole 3D EVA Cup Insole

Outsole Dual Density PU Sole

Size 22.0 - 28.0, 29.0, 30.0 cm (EEE)

ESD Value $1.0 \times 10^5 \leq R \leq 1.0 \times 10^9$



UG3695 NAVY

Weight 880g / pair

UG3695 WHITE

Weight 880g / pair



UG3695 BLACK

Weight 990g / pair

STEEL PLATE



ACF SERIES



- JIS T8101 Standard U Type
- CE Standard EN: ISO 20345:2011
- SIRIM MS ISO 20345: 2008

ENHANCED COMFORT WITH 3D EVA CUP INSOLE



ESD SAFETY SHOES

STEEL TOE CAP

Toe cap Wide Steel Toe cap 200J

Upper Authentic Leather

Insole 3D EVA Cup Insole

Outsole Dual Density PU Sole

Size 22.0 - 28.0, 29.0, 30.0 cm (EEE)

ESD Value $1.0 \times 10^5 \leq R \leq 1.0 \times 10^9$



ACF220

Weight 1,100g / pair



ACF200

Weight 950g / pair



ACF210

Weight 950g / pair



ACF211

Weight 950g / pair



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

MANUFACTURING


RT712N


Upper Authentic Leather
Sole Dual Density Rubber Sole
Size 22.0 - 28.0, 29.0, 30.0 cm (EEE)
Weight 950g/pair


G4690


Upper Artificial Leather/Mesh
Sole Dual Density PU Sole
Size 21.0 - 28.0, 29.0, 30.0 cm (EEE)
Weight 780g/pair
Color ● Navy ● Black


RT4009N


Upper Authentic Leather
Sole Dual Density Rubber Sole
Size 23.5 - 28.0 cm (EEE)
Weight 1,060g/pair


G4695


Upper Artificial Leather/Mesh
Sole Dual Density PU Sole
Size 21.0 - 28.0, 29.0, 30.0 cm (EEE)
Weight 800g/pair
Color ● Navy ● Black ● White

LOGISTICS


WL-110


Upper Artificial Leather/ Mesh
Sole EVA/Synthetic Rubber
Size 22.0 - 28.0, 29.0, 30.0 cm (EEE)
Weight 700g/pair
Color ● Blue ● Black
 ● Red ● Gray


 IA-801
Lace-up

IA-801 ESD
IA-805 ESD


Upper Artificial Leather/ Mesh
Sole EVA/Synthetic Rubber
Size 22.0 - 28.0, 29.0, 30.0 cm (EEE)
Weight IA-801 810g/pair
 IA-805 830g/pair

CONSTRUCTION


MV-01


Upper Artificial Leather/ Mesh
Sole EVA/ Synthetic Rubber
Size 22.0 - 28.0, 29.0, 30.0 cm (EEE)
Weight 810g/pair
Color ● Black ● Black•Red
 ● White•Blue

FOOD SERVICE


NHG1000


Upper PVC
Sole PVC
Size 22.0 - 28.0, 29.0, 30.0 cm (4E)
Weight 1,720g/pair
Color ● Super Black
 ● Super White

HOSPITALITY

NON TOE CAP

CSS-700Si ⚡ ESD

Upper Artificial Leather/Mesh
Sole EVA/Synthetic Rubber
Size 21.5 - 28.0, 29.0, 30.0 cm (EEE)
Weight 420g/pair


CSS-706Si ⚡ ESD

Upper Artificial Leather/Mesh
Sole EVA/Synthetic Rubber
Size 21.5 - 28.0, 29.0, 30.0 cm (EEE)
Weight 440g/pair


HR-501

Upper Artificial Leather
Sole EVA/Synthetic Rubber
Size 21.5 - 25.5 cm
Weight 360g/pair


H-950M

Upper Artificial Leather
Sole Synthetic Rubber
Size 23.5 - 28.0, 29.0 cm
Weight 800g/pair

SIZE CONVERSION CHART

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EURO	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49

MIDORI FOOTWEAR

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.



HIGH ANTI-SLIP GRIP

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



LIGHTWEIGHT WITH STEEL TOE PROTECTION

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



INTERNATIONAL CERTIFICATION

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



3D EVA CUP INSOLE

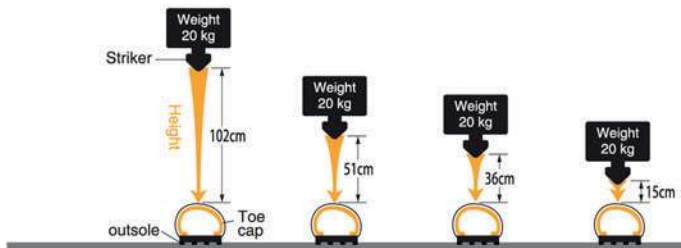
Delivers long-lasting, high cushioning while enhancing stability and promoting a more balanced posture.

JIS AND JSAA — SAFETY ENSURED BY JAPANESE STANDARDS



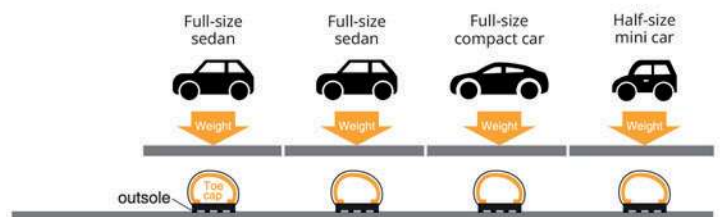
Impact Resistant Test

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



FOOTWEAR ACCESSORIES

ADVANCED PROTECTION

PROTECTION & COMFORT UPGRADE



Instep Guard Pro for Sneaker

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

Just 3 Steps to wear



Instep Guard Pro E Black for ACF

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



Highly Flexible

Steel Plate Insole

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)

3D EVA Cup Insole (ESD)

Material	Size	Color
EVA	22.0 - 30.0	Yellow





ME-400S

ESD SHOES AND WRIST STRAP CHECKER

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

Quick and Easy Checking

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




MSCR SERIES



ESD SAFETY SHOES **RESIN TOE CAP** **Japan Import**

JIS T8103 Standard Class S ESD Safety Shoes

Toe Cap	Wide Resin Toe Cap 70J
Upper	Artificial Leather
Sole	Dual Density PU Sole
Size	23.5 - 28.0, 29.0, 30.0 cm (EEE)
ESD Value	$1.0 \times 10^5 \leq R \leq 1.0 \times 10^8$



MSCR1200N
Weight 710g / pair



MSCR1200 HALF HOOD
Weight 780g / pair



MSCR1200 HOOD
Weight 820g / pair

ELEPASS SERIES



NON TOE CAP

ESD SHOES **Japan Import**

Equivalent to JIS T8103 standard for general antistatic footwear

Upper	Artificial Leather/Mesh
Sole	EVA 2 layers/Synthetic Rubber
Size	22.0 - 28.0, 29.0, 30.0 cm (EEE)
ESD Value	$1.0 \times 10^5 \leq R \leq 1.0 \times 10^8$



ELEPASS 307
Weight 590g / pair



ELEPASS CSS-300N
Weight 560g / pair



ELEPASS COOL LIGHT N

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

(UNIT: CM)

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

ELEPASS COOL N

Upper	Artificial Leather
Sole	Polyurethane Foam
Size	22.0 - 28.0, 29.0, 30.0 cm
Weight	440 g / pair
ESD Value	$1.0 \times 10^5 \leq R \leq 1.0 \times 10^8$

SIZE CONVERSION CHART

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SAFETY GLASSES



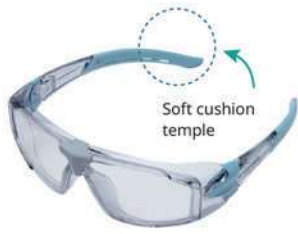
Double-Sided Anti-Fog



JIS/ANSI standard



UV CUT



VD-202FT

Material PC, Nylon, PVC
Lens PC (Double sides anti-fog coating)

Weight 37g



SPARE LENS VD-202FT

Changable Lens

DOUBLE PROTECTION! GASKET FOR VD-202FT

Effective Shielding from Dust and Liquid Splashes

LENS

Non-coating



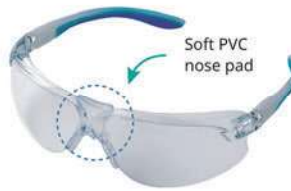
Perfect fit & Dust Protection

Easy Attachment and Removal

VS-301F

Material PC, Elastomer, Lens PC (Double sides anti-fog coating)

Weight 50g



Soft PVC nose pad

MP-822

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

Weight 28g



TALK NAVI II



IDEAL FOR

- ✓ Construction zones
- ✓ Factories & Warehouses
- ✓ Parking lots
- ✓ Public spaces

Material ABS resin

Size 100 x 340 x 45 mm thick

Power supply 4 x AA alkaline batteries
AC adapter (Option)

Battery Life Approx. 1,200 hours (Continuous Use)

Weight 600g

Maximum volume 80dB (1m ahead)

Recording method Built-in microphone/line input

Recording time Up to 10 seconds

Sensor detection Up to 3 meters and a 50° horizontal and vertical coverage area.



Automatic Voice Alert

Detects movement and plays a warning message



Customizable Messages

Easily record and update messages



Can be powered by alkaline batteries



Weatherproof Design

Suitable for outdoor use with rainproof capabilities

Watch Your Step



SAFETY HARNESS

FULL BODY MESH HARNESS MHF-790N

Approximate weight
790G

* M size without lanyard



One Touch Buckle



Mesh Harness Patent



MAXIMUM ARREST FORCE 130 KG

SV RING

The swivel hook connection rotates 360°, preventing the strap from twisting.



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



WEIGHT
720G



WEIGHT
1,200G



WEIGHT
840G



WEIGHT
1,540G



WEIGHT
1,400G

NVS

STRETCHABLE SINGLE LANYARD SV RING

Size W 32mm x L 1,250 mm (Retracted)/

2NVS

STRETCHABLE DOUBLE LANYARD SV RING

EZSV

SELF-RETRACTING SINGLE LANYARD SV RING

Size W 18mm x L 1,650 mm

2EZSV

SELF-RETRACTING DOUBLE LANYARD SV RING

2EZNVSV1.3

SELF-RETRACTING & STRETCHABLE DOUBLE LANYARD SV RING

Size W 18mm x L 1,650 mm (Self-Retracting)

FLATMET 3

FOR WORKING & EMERGENCY



Model SC-T29 B KP
Material ABS / PC (Visor)
Weight 385g
Head size 52.5 - 63 cm
Visor Color ● Smoke ● Green ● Blue
Shell Color ● Yellow ● Green ● Blue
 ● Navy ● Black ● White

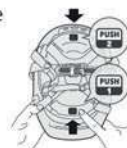
size reduced by **50%**



**COMPACT DESIGN
FULL PROTECTION**



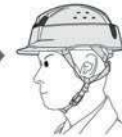
EASY SETUP. EASY STORAGE.



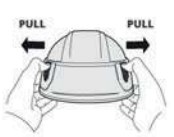
Check **Push**
Position No.1
and No.2



Push until you
hear a "click"



Secure chin
strap.



Pull sides outward
to flatten.

Visor



FLATMET 2

FOR EMERGENCY ONLY



Model TSC-10 N
Material PP / ABS / PC
Weight 420g
Head size 47 - 62 cm



**6 YEAR
LIFESPAN**

WORLD THINNEST HELMET



Only
3.3 cm.



Foldable
Helmet



Easy to keep

HELMET ACCESSORIES



**HELMET HANGER
SC KEEPER2**



**PAPER CAP
PC-800**

**INNER CAP
INC-200B**



SAFETY HELMET MATERIAL CHARACTERISTICS AND SERVICE LIFE

MATERIALS	HEAT RESISTANCE	WEATHER RESISTANCE	INSULATION	CHEMICAL RESISTANCE	REPLACEMENT STANDARD	NOTE
FRP	○	○	×	○ ~ ○	5 years	Excellent weather resistance and heat resistance, but it cannot be used as an electrical protective helmet.
ABS	△ ~ ○	△ ~ ○	○ ~ ○	×	3 years	Excellent protection against electric shock, but not suitable for use in high-temperature environments
PC	○ ~ ○	○ ~ ○	○	×	3 years	Better weather resistance than ABS, but it is not suitable for solvents or chemicals
PE	×	○	○ ~ ○	○ ~ ○	3 years	Ideal for environments where organic solvent-based chemicals are used

○ Particular Excellent
 △ Slightly Weakness
 ○ Excellent
 × Weak

Replacement
 Helmet accessories: Within 1 year, even if no abnormalities are observed
 Disaster-prevention use: Within 6 years, even if no abnormalities are observed

SPECIFIC WORK ACTIVITIES	MATERIALS
Electrical work (e.g., electrical construction)	ABS, PC, PE
Outdoor work (e.g., construction)	FRP, PC, ABS, PE
High-temperature work (e.g., furnace-front work)	FRP
Low-temperature work (e.g., freezer work)	FRP
Oil & chemical handling work (e.g., machinery/equipment maintenance)	FRP, PE

SHOCK ABSORBING LINER



KP (KEEP PAD)
Limited airflow, humidity builds up inside



● RADIANT HEAT
▲ VENTILATION



ALPHA LINER
Enhanced airflow



● RADIANT HEAT
▲ VENTILATION



WINDFLOW
Enhanced airflow



▲ RADIANT HEAT
▲ VENTILATION



SAFETY HELMET

SC-21 PCL S RA3

Material	PC
Weight	565g
Head size	52.5 - 63 cm
Color	



SC-11 FV RA

Material	FRP
Weight	375g
Head size	55 - 62 cm
Color	



SC-MB RA

Material	ABS
Weight	380g
Head size	55 - 62 cm
Color	



ULTRA-LIGHTWEIGHT

SC-31 BV RA2

Material	ABS
Weight	265g
Head size	53 - 62 cm
Color	



SC-19 PCL RA3

Material	PC
Weight	415g
Head size	52.5 - 63 cm
Color	



SC-11 PCL S RA

Material	PC
Weight	520g
Head size	55 - 62 cm
Color	



SC-23 B DR2

Material	ABS
Weight	430g
Head size	52 - 63.5 cm
Color	



OPTIONAL PURCHASE



BUMP CAP

FOR LIGHT INDUSTRY

SCL-200A

Material	PE
Weight	175g
Head size	53 - 62 cm
Color	



COOL FAN VEST



WEV91 SILVER GRAY



WEV97 NAVY

Material	Polyester 100%
Zipper	Resin (Front opening, left side through-pocket)
Fan set	High-Power Fan 2 units, Battery, Charging Adapter
Airflow Settings (Operating Time)	High: Approx. 5 hours Medium: Approx. 10 hours Low: Approx. 15.5 hours
Battery Life	Approx. 500 Charge Cycles
Charging time	Approx. 7 hours/time

(UNIT: CM)

SIZE	S	M	L	LL	3L	4L	5L
Length	60	63	66	69	72	75	75
Shoulder width	41	42	44	46	48	50	50
Chest circumference	114	118	122	126	134	142	150
Hem circumference	88	92	96	100	106	112	118

* Normally, use the "Medium" airflow setting



Side-mounted fan

Design prevents airflow blockage when leaning against objects.



Battery Control Pocket (Left Side)

Power switch can be operated directly from the side pocket.



Inner Battery Pocket

Battery pocket accessible from the left side.



Rear Neck Ventilation

Airflow design directs air from the neck to the back of the head.



Underarm Ventilation (Patented)

Air flows from the collar to cool the sleeves and underarms.



Ice Pack Pocket

Supports cooling gel packs for enhanced cooling.

FOR USE WITH SAFETY HARNESS



WEV73 ROYAL BLUE



WEV71 SILVER GRAY



WEV77 NAVY



HIGH POWER TYPE FAN SET

Material	100% Cotton (High-Density Plain Weave)
Zipper	Resin (Front opening, left and right chest pockets)
Fan set	High-Power Fan 2 units, Battery, Charging Adapter
Airflow Settings (Operating Time)	High: Approx. 5 hours Medium: Approx. 10 hours Low: Approx. 15.5 hours
Battery Life	Approx. 500 Charge Cycles
Charging time	Approx. 7 hours/time

(UNIT: CM)

SIZE	S	M	L	LL	3L	4L	5L
Length	60	63	66	69	72	75	75
Shoulder width	41	42	44	46	48	50	50
Chest circumference	110	114	118	122	130	138	146
Hem circumference	86	90	94	98	104	110	116



Shoulder hook hanger

A large D-ring that can be used to attach a lanyard hook.



Harness fixing tab

The harness can be attached to the tabs on the inside of the shoulders, integrating it with the uniform for easier wear.



Back harness pass-through

It is possible to thread the lanyard through the back.

e-FUJIYAMA (Smart Alert System)

e-Fujiyama detects abnormalities before equipment failure, enabling predictive maintenance, reducing downtime, and lowering labor costs. It gives you time to take action before problems occur.



Real-Time Monitoring

Instantly track temperature and vibration



Monitor Up to 600 Units

Manage multiple machines at once



Long-Range Connectivity

Monitor equipment up to 1 km (outdoor)



Easy Installation

Suitable for any motor, any size

SYSTEM CONFIGURATION



BASIC SOFTWARE



GRAPH DISPLAY

Monitors trends with trend graphs for 3-axis vibration and temperature, allowing you to grasp the equipment status from a remote location.



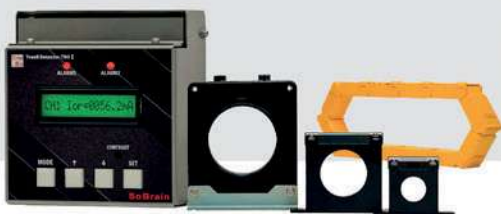
ALARM DISPLAY

Notify with screen and sound when the set alarm value (threshold) is exceeded.

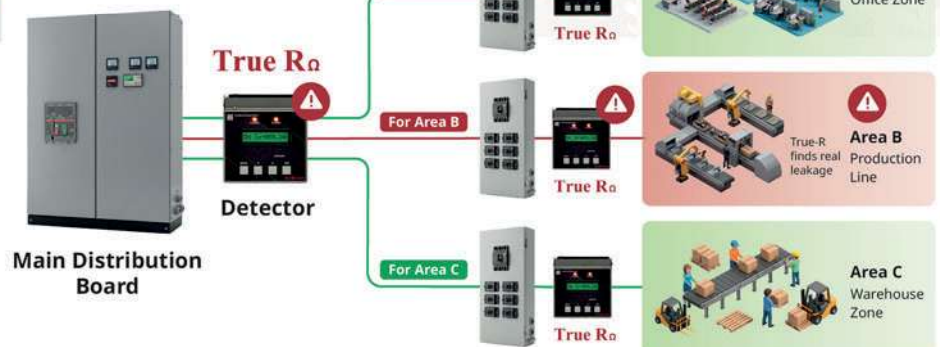
True R_Ω

ADVANCED PRECISION IN ELECTRIC LEAK DETECTION

Separately measure I_{oc} and I_{or} for improved safety



DIAGRAM



Accurate Insulation Abnormality Detection

Reliably detects true leakage-related insulation abnormalities, minimizing false alarms and ensuring precise diagnosis.



Fast and Precise Signal Detection

Detect abnormalities early and respond instantly for maximum protection.



No Downtime Required

Identify issues in real time without interrupting operations.



Alarm notification when threshold is exceeded



Easy-to-read LCD display with backlight

Technical Tips

I_{oc} Normal leakage current ✓ Safe

I_{or} Fault leakage current ✗ Dangerous

Model Number
Dimensions
Leakage Current Measurement
Material
Power Consumption
Power Supply
External Interface

Operating Temperature

True R Detector-TRO I
 W 156mm × H 145mm × D 61mm
 Number of Channels : 2CH
 Steel
 Approx 12W
 AC 220V ± 10% 50/60Hz or DC 24V ± 10%
 Contact Input: COMMON DC/AC 600V or less
 Contact Output: a1/a2 NO. b1 NC, External
 Output RS-485
 0°C to +50 °C

Facing These Challenges in **Workplace Safety Training**?

Enhance Hazard Awareness Step into the **Virtual**

Increase "Risk Sensitivity"

Only 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

Experience simulated dangers with VR

How about using VR (Virtual Reality) to simulate danger and improve awareness?

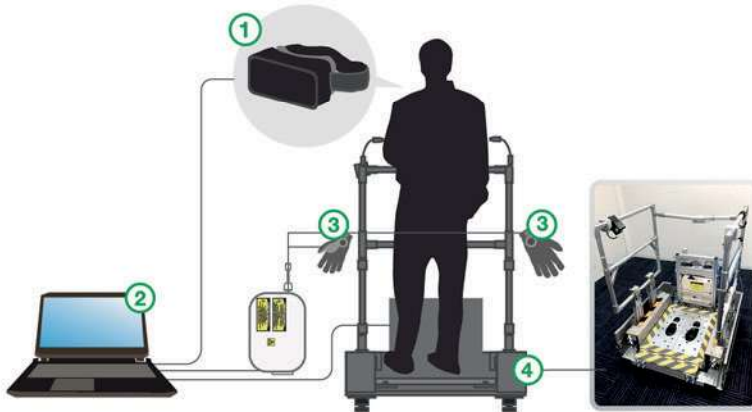
It's not just for fun like a VR game...

Experience the "fear" linked to work

New training tool to raise safety awareness without the risk of actual injury.

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

FREE 1 SCENARIO

FIXED

1 VR Goggles (HMD)

2 Notebook

3 Electrostatic simulation gloves

SCE-06 Electric shock accident

RIMM FULL SET

FREE 2 SCENARIO

FIXED

1 VR Goggles (HMD)

2 Notebook

3 Electrostatic simulation gloves

4 Gull wing motion base

SCE-05 Fall down accident

SCE-06 Electric shock accident

VR RIMM - Virtual Reality Safety Training

✓ Immersive 3-Sense Experience

Engage sight, sound, and touch to build real hazard awareness

✓ Realistic Hazard Simulation

Electrostatic gloves and gull wing motion base simulate electric shock, falls, and loss of balance
Experience risk—not just see it

✓ Portable & Cost-Efficient

Packed in a military-grade protective case, no annual subscription fees

✓ Compact & Quick Setup

Requires only 3 × 3 m space, ready in 15 minutes

✓ Multi-Language Support

Available in Thai / English / Japanese

✓ 100+ Training Scenarios

Covers common workplace and everyday accidents



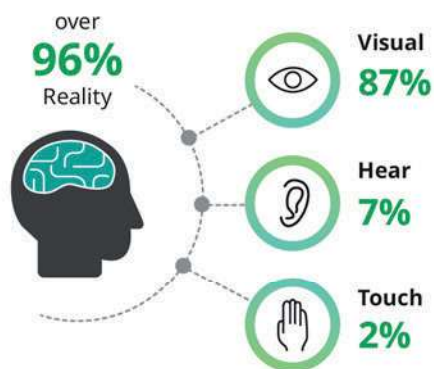
All items can be stored in this **carrying case** (except Gull wing motion base)

SCENARIOS



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

AVAILABLE FOR RENTAL



STANDARD SET



VR Goggles (HMD)

Notebook

FULL SET



VR Goggles (HMD)

Notebook

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 AND RENTAL with a **Wide Range of Set Options!**

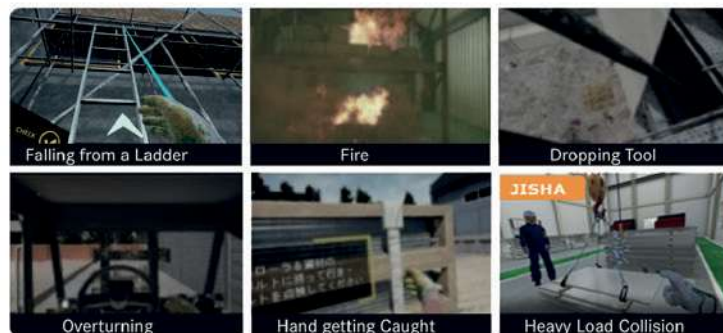
Content is also available by subscription, so you can keep experiencing the latest simulations as they're released.

POINT 3

REVIEW THE SITUATION

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

CONTENTS



OIL MIST COLLECTOR



CLEAN WONDER WR SERIES

High-speed Rotating Disc Centrifugation

HIGH-SPEED ROTATING DISC CENTRIFUGATION

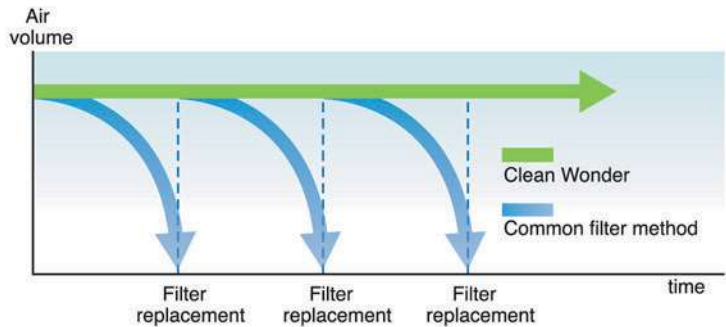
A rotating disc is mounted on the collection part to collect oil mist through inertial collision and centrifugation. In addition, the self-cleaning action of the disc by centrifugal force alleviates the problem of reduced air volume due to clogging compared to the filter method, and maintains performance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



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 $\pm$ 10% 50/60Hz		
Maximum air volume (50/60 Hz)	4.6/5.4 m ³ /min	7.3/8.6 m ³ /min	13/15 m ³ /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/m ³ 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)/Munsell No. 0 (door, motor base)		
Other	CE and RoHS compatible		

EASY MAINTENANCE



1

Open the inspection door



2

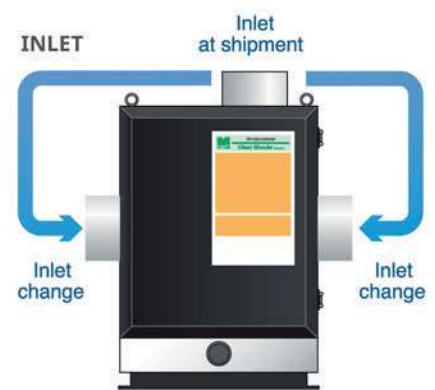
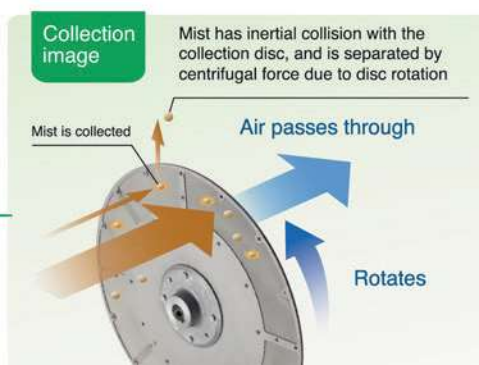
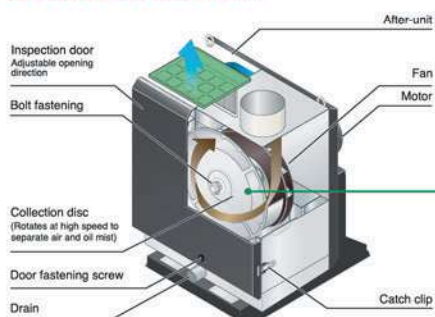
Air blow cleaning



3

Washing

CONFIGURATION



OIL MIST COLLECTOR



SPECIFICATION

Power supply	Three-phase 200V AC $\pm$ 10% 50/60Hz
Related air volume	15 m ³ /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/m ³
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, mortar base)

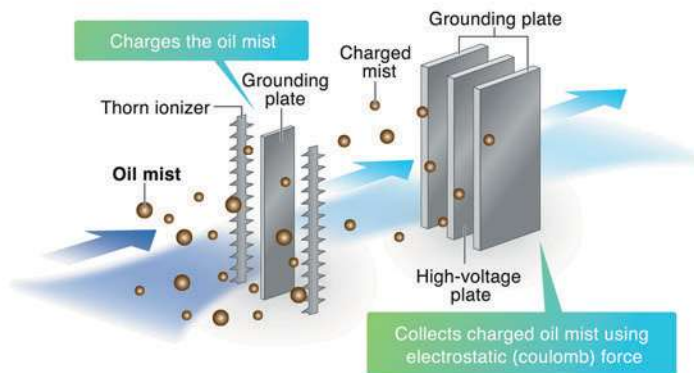
*1: At 15 m³/min, inverter output frequency is 39.5 Hz (at the time of factory shipment)

*2: At 15 m³/min, inverter output frequency is 60 Hz (maximum)

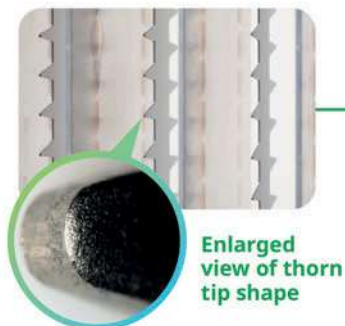
M-CLEAN MCH-15

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

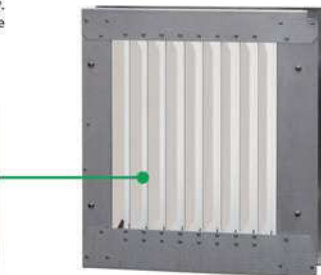


Enlarged view of thorn tip shape



NEW THORN IONIZER

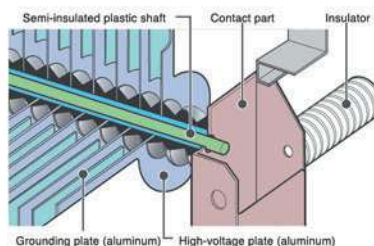
The discharge electrode material is made of pure titanium with excellent durability. The thorn tip shape is optimized to achieve high efficiency.



CONVENTIONAL IONIZATION LINE METHOD IONIZER

SPARKLESS TECHNOLOGY

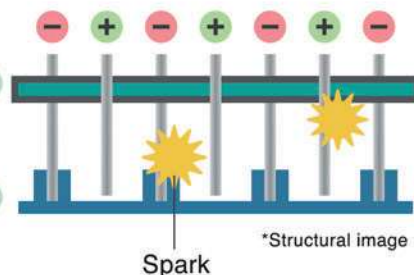
Stable mist collection performance by adopting semi-insulated plastic shaft!



"**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 mist collection performance.

Semi-insulated plastic shaft
(+: High-voltage electrode plate support)

Aluminum slit parts
(-: Ground electrode plate support)



*Structural image