

ACSEL series

Safety experience simulators
for risk prediction training



Safeness first for your **SUCCESS!**

Onsite training for new employees

Improve onsite awareness of safety

Safety measures and guidance

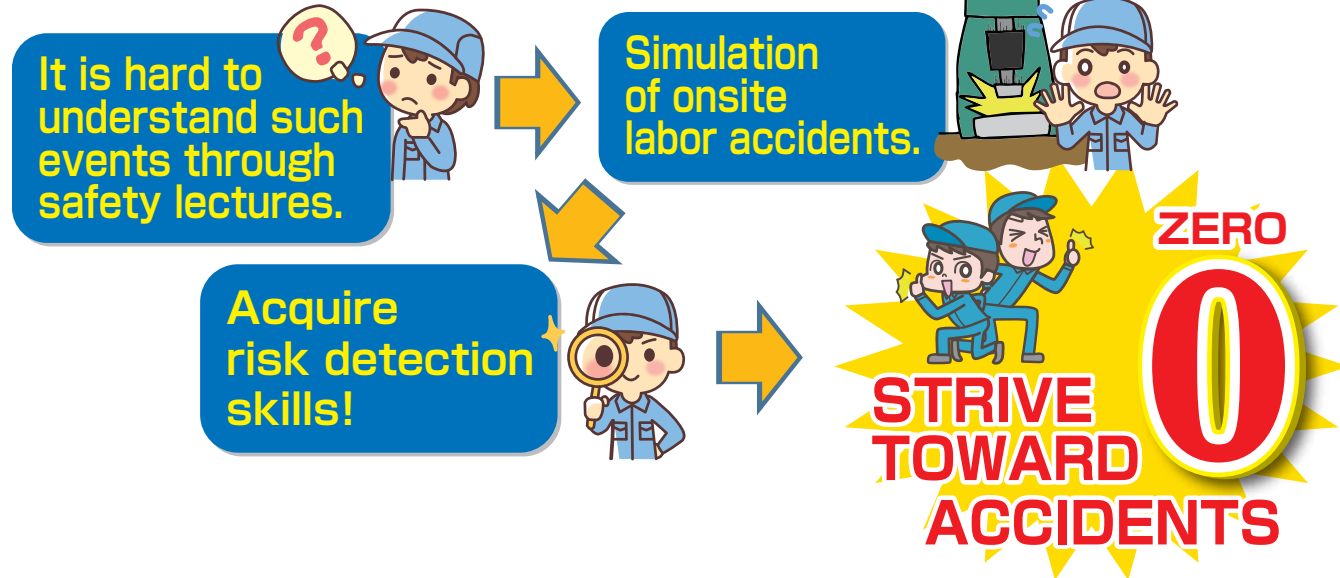
Simulation training

ASIA CREATE CO.,LTD JAPAN

Safety Experience Simulator

A safety experience simulator is a device which allows people to simulate onsite labor accidents.

The device reproduces realistic dangerous situations to improve the awareness of safety and serve as safety measures and guidance. It is designed to train operators' risk detection skills and prevent labor accidents by providing them opportunities to experience how frightening an accident can be using actual equipment, as it is hard for them to understand such events though safety lectures.



For your information

"A work-related accident could never happen to me."
Both people who fall victim to work-related accidents and people who don't very frequently think this way.

"I'll be OK."
Why do you think they can say this kind of thing?

Most work-related accidents are caused not by natural phenomena or equipment breakdowns, but by humans.
"Just this much will be OK." "It'll never happen to me." This kind of overconfidence and laxness cause accidents.

More than 1000 people die per year from work-related causes. (all industries)
This means about three people die per day.
Some say there are more work-related deaths than deaths from traffic accidents.

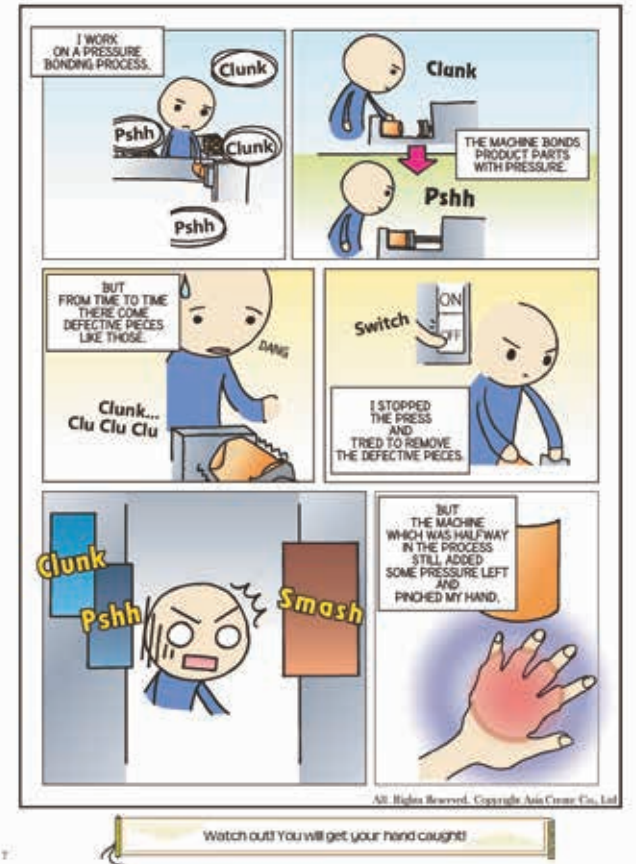
Are you familiar with the famous saying "one person in ten thousand"?
No matter how large the company, each individual employee is irreplaceable.
There is no one to substitute for them.
I want each of you to engage in your daily work without forgetting about your valuable family, friends and colleagues.

Asia Create Co., Ltd

Getting caught in a chain incident



Getting Pinched from Residual Air Pressure Incident



Jamming



- Rotating(Multiple) Jamming Accident Simulator
- Vee Belt Jamming Accident Simulator
- Chain Jamming Accident Simulator
- Small Roller Jamming Accident Simulator

Slipping / Falling



- Slipping and Falling Down Simulator
- Stairway Slipping and Falling Down Simulator
- Unsteady Stepladder Accident Simulator
- Dropping Impact Measurement Simulator

Explosion



- Solvent Explosion Simulator
- Dust Explosion Simulator
- Solvent Combustion and Explosion by Static Electricity Simulator

Impact / Crushing



- Coupler Remaining Pressure Accident Simulator
- Air Cylinder Movement Jamming Accident Simulator
- High Remaining Pressure Accident Simulator
- Tank Deformation by Fluid Transfer Simulator

There are more Safety Simulator for other accidents.

- 05 ... 1010 Rotating(Multiple) Jamming Accident Simulator
1020 Vee Belt Jamming Accident Simulator



- 06 ... 1025 Chain Jamming Accident Simulator
1050 Sheet Jamming Accident Simulator



- 07 ... 1140 Bench Drill Jamming Accident Simulator
1100 Small Roller Jamming Accident Simulator



- 08 ... 1120 Belt Conveyor Jamming Accident Simulator
1030 Manual Drive Belt Conveyor Jamming Accident Simulator



- 09 ... 1040 Manual Drive Roller Jamming Accident Simulator
1080 Manual Drive Roller Jamming Accident Simulator "Swing"



- 10 ... 1021 Manual Drive Vee Belt Jamming Accident Simulator
1060 Manual Drive Chain Jamming Accident Simulator



- 11 ... 1070 Camshaft Jamming Accident Simulator
2010 Press Jamming Simulator



- 12 ... 2020 Coupler Remaining Pressure Accident Simulator
2021 Coupler Remaining Pressure and Uncontrolled Hose Accident Simulator



- 13 ... 2030 Air Cylinder Movement Jamming Accident Simulator
2060 Chucking Jamming Accident Simulator



- 14 ... 2040 High Remaining Press Accident Simulator
2041 Water Pressure Danger Simulator



- 15 ... 2090 Tank Deformation by Fluid Transfer Simulator
2091 Tank Deformation by Fluid Transfer Simulator : Light



- 16 ... 3010 Solvent Explosion Simulator
3020 Dust Explosion Simulator



- 17 ... 3030 Solvent Combustion and Explosion by Static Electricity Simulator
3040 Electric Shock, Overcurrent and Tracking Simulator



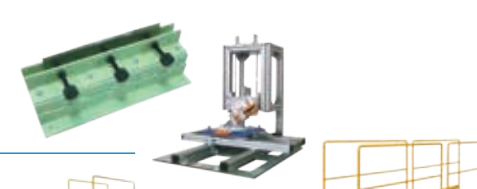
- 18 ... 3060 Short Circuit Simulator
3050 Circuit Breaker Power Failure Simulator



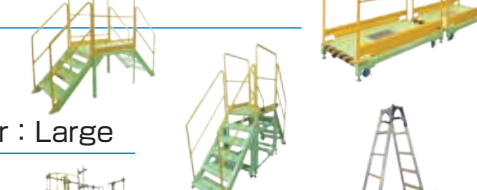
- 19 ... 1101 VR & Roller Jamming Accident Simulator
5051 VR Stepladder · Falling Accident Simulator



- 20 ... 5140 Cutting Accident Simulator
5170 Cutting Knife Accident Simulator



- 21 ... 5030 Slipping and Falling Down Simulator
5040 Stairway Slipping and Falling Down Simulator



- 22 ... 5041 Stairway Slipping and Falling Down Simulator : Large
5050 Unsteady Stepladder Accident Simulator



- 23 ... 5060 Elevated Workplace Accident Simulator
5110 Stage Incline Accident Simulator



- 24 ... 2070 Slinging Wire Accident Simulator
2050 Safety Shoes and Helmet Accident Simulator



- 25 ... 5120 Industrial Safety Belt Simulator : Single
5121 Industrial Safety Belt Simulator : Double



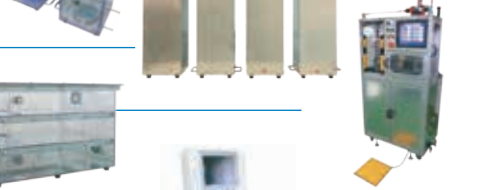
- 26 ... 2080 Hand Grinder Running and Collision Simulator
5150 Dropping Impact Measurement Simulator



- 27 ... 5160 Human Body Impact Accident Simulator
5130 Lifting Weight Simulator



- 28 ... 5135 Lifting Weight Simulator "G-Type"
3070 Electrical Safety Devices Simulator



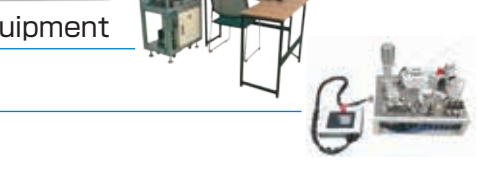
- 29 ... 5080 Low Oxygen Simulator
5010 Pointing and Calling Procedure Simulator : Standard



- 5020 Pointing and Calling Procedure Simulator : Light
5000 Pointing and Calling Procedure Simulator : Mini



- 30 ... 6000 Factory Automation Mechanism Learning Equipment
6010 Air Control & Circuit Trouble Training Device



- 31 ... Industrial Accident Illustration Guide
Industrial Accident Illustration Guide DVD version

- 32 ... Customized Models of Safety Simulators
33 ... Introduction of Safety Simulator's Shipping Map

- 34 ... Introduction of Training Center



Rotating(Multiple) Jamming Accident Simulator

ACSEL 1010



The device has three simulation functions including roller jamming, rotating shaft jamming and auto safety door.

Have you ever had this type of "Hiyari-hatto" experience before?

- While working with a printing machine, foreign substance was found on the roller and while the rollers were still moving, the operator attempts to remove the substance and nearly has their hand caught.

| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W1,050 x L1,270 x H1,580 (mm)(Excluding mat switch.) |
| Weight | Approximately 450kg |

Chain Jamming Accident Simulator

ACSEL 1025



This simulator is a different version of "ACSEL1020 Vee Belt Jamming Accident Simulator which has chain instead of Vee belt. You can learn the shock of jamming by inserting a disposable wooden chopstick.



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W700 x L410 x H1,160 (mm) |
| Weight | Approximately 160kg |

Vee Belt Jamming Accident Simulator

ACSEL 1020



This device simulates a jamming accident by inserting a foreign object such as a disposable wooden chopstick between a VeeBelt and a Pulley allowing people to experience the shock of a jamming accident.

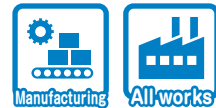
Have you ever had this type of "Hiyari-hatto" experience before?

- An operator, who tried to conduct maintenance without turning off the power, got their glove jammed in the machine.
- An operator tried to stop a Vee belt with their hand, and their hand got caught in the coasting Vee belt.

| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W700 x L410 x H1,160 (mm) |
| Weight | Approximately 160kg |

Sheet Jamming Accident Simulator

ACSEL 1050



The device allows a person to attempt the removal of foreign matter attached to a sheet using an imitation hand and experience the effects of a jamming accident.

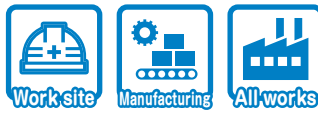
Have you ever had this type of "Hiyari-hatto" experience before?

- Trying to remove foreign matter attached to a sheet, a hand may get jammed in a moving roller.

| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | Approximately 0.6Mpa |
| Outside dimension | W1,250 x L1,025 x H1,510 (mm) |
| Weight | Approximately 550kg |

Bench Drill Jamming Accident Simulator

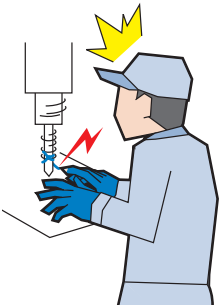
ACSEL 1140



This simulator shows you how gloves can easily get jammed in a bench drill by using an imitation hand with a glove and make it jammed. You can learn the danger of using bench drill with gloves.

Have you ever had this type of "Hiyari-hatto" experience before?

- I operated the Bench Drill while wearing gloves and the fabric of one of the gloves got hooked and jammed.



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W785 x L650 x H1,670 (mm) |
| Weight | Approximately 150kg |

Belt Conveyor Jamming Accident Simulator

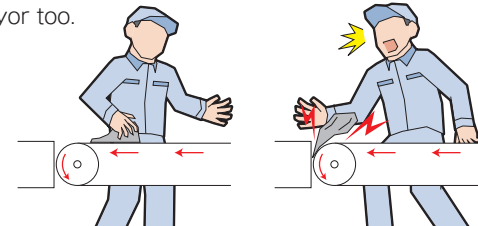
ACSEL 1120



This simulator allows you to experience "getting caught up" in a belt conveyor. Insert your hand in this simulator and you can learn that even a small conveyor has considerable power.

Have you ever had this type of "Hiyari-hatto" experience before?

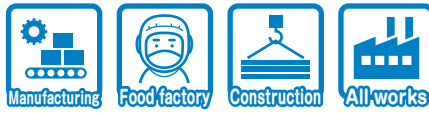
- I chased a passing defective product too far while performing sorting work on a conveyor, and I almost got caught up.
- I cleaned the conveyor without stopping the machine, my cloth got caught up, and I almost got caught up in the conveyor too.



| | |
|-------------------|--|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | Main body: W1,000 x L425 x H800 (mm) Control panel: W400 x L430 x H1,000 (mm) |
| Weight | Approximately 120kg |

Small Roller Jamming Accident Simulator

ACSEL 1100



This simulator demonstrates that even with small rollers, rotating at a low speed, the jamming force is very strong and can cause serious injury. You can experience the feeling of getting your hand trapped in rollers and once trapped, is impossible to remove.

Also, you can learn how to use the Enabling and Grip switches.



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W725 x L450 x H1,450 (mm) |
| Weight | Approximately 150kg |

Manual Drive Belt conveyor Jamming Accident Simulator

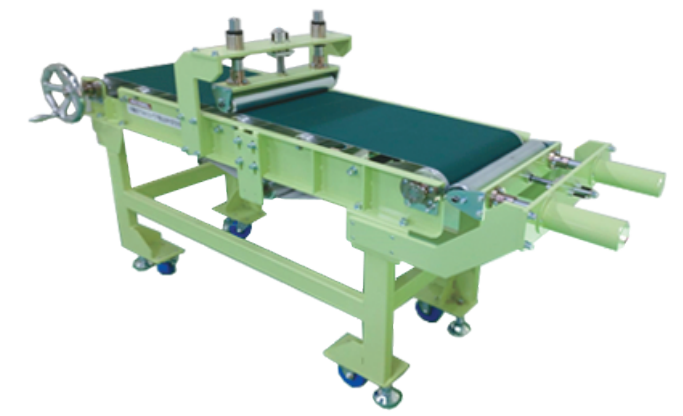
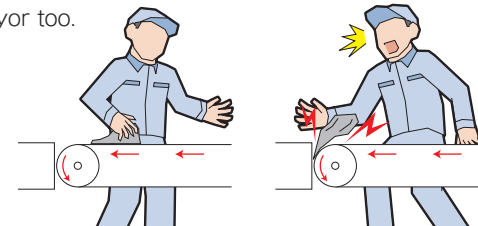
ACSEL 1030



This simulator lets you experience "getting caught up" in the various drive components of a belt conveyor. This unit can also be used for training to predict the risk of danger associated with drive components.

Have you ever had this type of "Hiyari-hatto" experience before?

- I chased a passing defective product too far while performing sorting work on a conveyor, and I almost got caught up.
- I cleaned the conveyor without stopping the machine, my cloth got caught up, and I almost got caught up in the conveyor too.



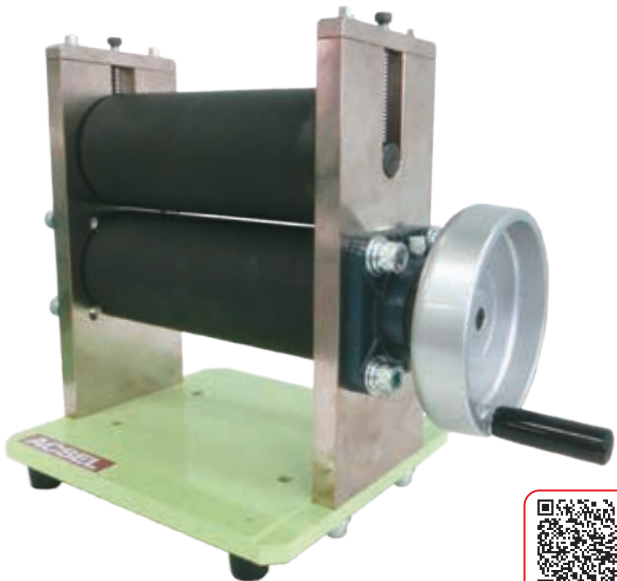
| | |
|-------------------|---------------------------|
| Voltage | |
| Air pressure | |
| Outside dimension | W1,540 x L630 x H980 (mm) |
| Weight | Approximately 120kg |

Manual Drive Roller Jamming Accident Simulator

ACSEL 1040



This simulator lets you experience the feeling of getting your hands trapped in rollers. Even with small rubber rollers, your hands will be trapped with more force than you would imagine. You'll also be able to experience how easy it is to get work gloves trapped.



| | |
|-------------------|-------------------------|
| Voltage | |
| Air pressure | |
| Outside dimension | W410 x L200 x H300 (mm) |
| Weight | Approximately 20kg |

Have you ever had this type of "Hiyari-hatto" experience before?

- I stretched out by hand to pick some dirt adhering to the rollers, and almost got my hands trapped.
- I wore gloves to operate a machine for which gloves were prohibited. They got caught, and I almost got my hands caught up in the rollers.

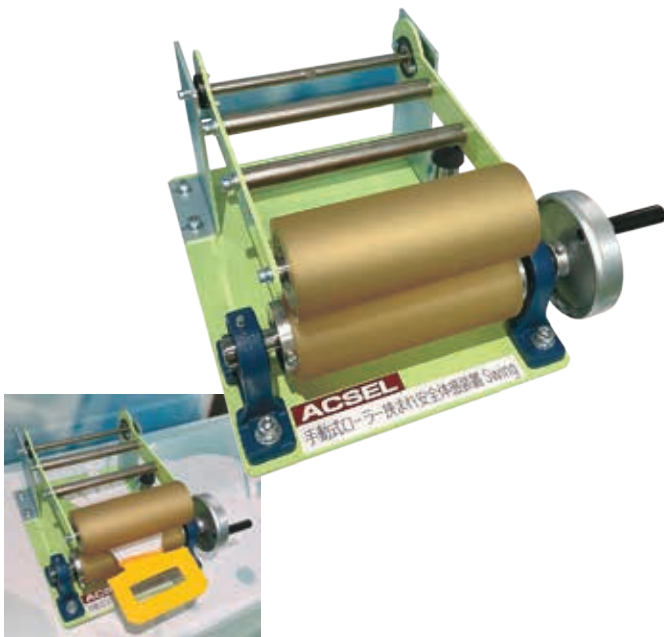


Manual Drive Roller Jamming Accident Simulator "Swing"

ACSEL 1080



This simulator lets you experience the feeling of getting your hands trapped in rollers. Even with small rubber rollers, your hands will be trapped with more force than you would imagine. You'll also be able to experience how easy it is to get work gloves trapped.



| | |
|-------------------|-------------------------|
| Voltage | |
| Air pressure | |
| Outside dimension | W420 x L380 x H240 (mm) |
| Weight | Approximately 19kg |

Have you ever had this type of "Hiyari-hatto" experience before?

- I stretched out by hand to pick some dirt adhering to the rollers, and almost got my hands trapped.
- I wore gloves to operate a machine for which gloves were prohibited. They got caught, and I almost got my hands caught up in the rollers.



Manual Drive Vee Belt Jamming Accident Simulator

ACSEL 1021



This simulator lets you experience the feeling of jamming by inserting a disposable wooden chopstick between a Vee belt and a Pulley. It helps you imagine how serious it could be in a real working environment.



| | |
|-------------------|-------------------------|
| Voltage | |
| Air pressure | |
| Outside dimension | W700 x L490 x H600 (mm) |
| Weight | Approximately 65kg |

Manual Drive Chain Jamming Accident Simulator

ACSEL 1060



PAT-NO.3200191

This simulator lets you experience the feeling of jamming by inserting your hand between a Roller Chain and Sprocket (both made from plastic). It helps you imagine how serious it could be in a real working environment.



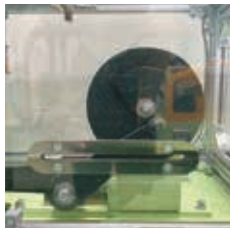
| | |
|-------------------|-------------------------|
| Voltage | |
| Air pressure | |
| Outside dimension | W700 x L340 x H410 (mm) |
| Weight | Approximately 40kg |

Camshaft Jamming Accident Simulator

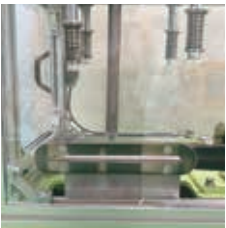
ACSEL 1070



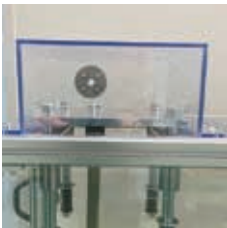
This simulator allows you to experience the danger of jamming by inserting a disposable wooden chopstick into Rotational motion and / or Reciprocating motion of Cam-mechanism. It also allows you to learn the invisible risk part by starting and stopping Cam-mechanism.



Cam jamming



Arm rod jamming



Up / Down plate jamming

| | |
|-------------------|---------------------------|
| Voltage | AC100V |
| Air pressure | |
| Outside dimension | W800 x L420 x H1,350 (mm) |
| Weight | Approximately 160kg |

Press Jamming Simulator

ACSEL 2010

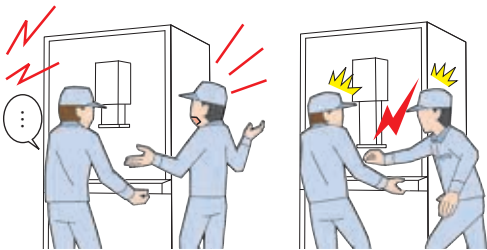


The device, which uses 0.5 ton air press machine, allows people to experience the risk of overestimating a safety device such as a photoelectric sensor.



Have you ever had this type of "Hiyari-hatto" experience before?

- An operator did not notice that someone put their hand into a press machine, and their hand almost got crushed.
- Overestimating a safety device, a worker operated without paying enough attention to the surroundings and almost caused an accident involving another worker.



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | Approximately 0.6Mpa |
| Outside dimension | W860 x L900 x H1,910 (mm) |
| Weight | Approximately 280kg |

Coupler Remaining Pressure Accident Simulator

ACSEL 2020



This simulator lets you experience the effect of remaining air pressure. By crushing an empty steel can with an air coupler propelled by remaining air pressure, you will understand the power and potential danger of remaining pressure.

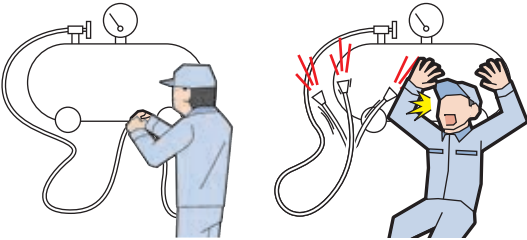


| | |
|-------------------|---------------------------|
| Voltage | |
| Air pressure | Approximately 0.2Mpa |
| Outside dimension | W780 x L730 x H1,340 (mm) |
| Weight | Approximately 100kg |



Have you ever had this type of "Hiyari-hatto" experience before?

- Air pressure remaining inside an air hose when disconnected causes the hose to thrash around wildly, almost resulting in injury.



Coupler Remaining Pressure and Uncontrolled Hose Accident Simulator

ACSEL 2021



This is the advanced version of the "ACSEL 2020 Coupler Remaining Pressure Accident Simulator". You can see how the hose acts abnormally when there is remaining air in addition to the propelling coupler.

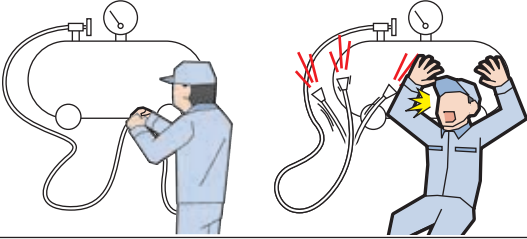


| | |
|-------------------|---------------------------|
| Voltage | |
| Air pressure | Approximately 0.5Mpa |
| Outside dimension | W900 x L730 x H1,460 (mm) |
| Weight | Approximately 110kg |



Have you ever had this type of "Hiyari-hatto" experience before?

- Air pressure remaining inside an air hose when disconnected causes the hose to thrash around wildly, almost resulting in injury.



Air Cylinder Movement Jamming Accident Simulator

ACSEL 2030



This simulator lets you experience the power of air cylinders. You can learn about the invisible dangers of air pressure, and the importance of releasing residual pressure.

Have you ever had this type of "Hiyari-hatto" experience before?

- I took a quick glance during auto operation, judged that the machine had stopped, and then put my hand out and almost ended up getting it trapped.
- I thought it would be okay to put my hand in the machine after cutting the air supply, but almost got it trapped due to the force of the residual pressure.



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | Approximately 0.4Mpa |
| Outside dimension | W920 x L470 x H1,090 (mm) |
| Weight | Approximately 100kg |

Chuckling Jamming Accident Simulator

ACSEL 2060



This simulator allows trainees to experience the risks of adjusting the chucking core center. You can learn how the chucking power can crush a finger badly if the correct method of using this kind of mechanism is not followed.

Have you ever had this type of "Hiyari-hatto" experience before?

- I touched pressurized equipment to set it back to its proper position, and my finger was about to get jammed between the equipment.



| | |
|-------------------|---------------------------|
| Voltage | |
| Air pressure | Approximately 0.3Mpa |
| Outside dimension | W820 x L565 x H1,110 (mm) |
| Weight | Approximately 120kg |

High Remaining Press Accident Simulator (Water Pressure)

ACSEL 2040



On this simulator, the pipe is purposely disconnected with water pressure still applied to the pipes inside the machine. You can experience how the coupler comes flying out at you vigorously due to the pressure, and learn about the significant dangers inherent in water pressure.

Have you ever had this type of "Hiyari-hatto" experience before?

- I felt overconfident because the pressure being applied to the machine was low, and the coupler flew out toward me with force when I disconnected it.



| | |
|-------------------|---------------------------|
| Voltage | |
| Air pressure | |
| Outside dimension | W680 x L990 x H1,670 (mm) |
| Weight | Approximately 80kg |

Water Pressure Danger Simulator

ACSEL 2041



This simulator is advanced model of "AC-SEL2040 High Remaining Press Accident Simulator (Water Pressure)". You can learn how a misaligned flange spews water due to water pressure.

Have you ever had this type of "Hiyari-hatto" experience before?

- The flange that was holding the pipes together was not secured tightly so the water spewed out everywhere!



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W700 x L1,000 x H1,670 (mm) |
| Weight | Approximately 100kg |

Tank Deformation by Fluid Transfer Simulator

ACSEL 2090



patent pending

This simulator demonstrates the vacuum collapse of a tank caused by fluid transfer and the danger of a negative and positive pressure inside the tank due to the misunderstanding of work procedure when transferring fluid. Through this experience trainee can learn about the valve operation.



Have you ever had this type of "Hiyari-hatto" experience before?

- Due to an incorrect valve procedure, the excess negative and/or positive pressure inside the tank caused a very dangerous condition and destroyed the tank!



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W1,700 x L900 x H1,042 (mm) |
| Weight | Approximately 260kg (Excluding water.) |

Tank Deformation by Fluid Transfer Simulator:Light

ACSEL 2091

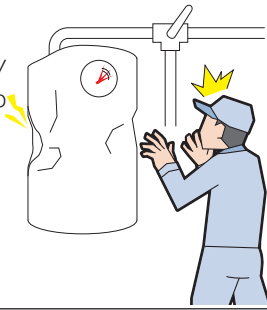


This simulator demonstrates the negative and positive pressure conditions that occur when liquid is transferred using an 18-liter square can or plastic bottle.



Have you ever had this type of "Hiyari-hatto" experience before?

- During liquid transfer, the vent valve was operated incorrectly which caused the equipment to overload!



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W1,300 x L540 x H1,214 (mm) |
| Weight | Approximately 100kg (Excluding water.) |

Solvent Explosion Simulator

ACSEL 3010

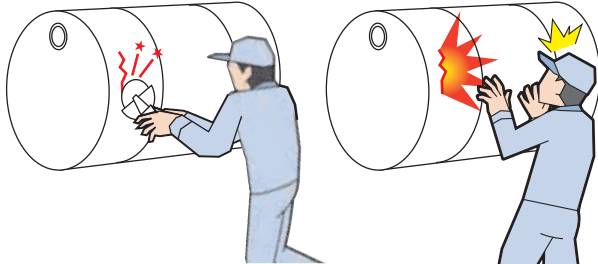


By igniting vaporized organic solvent people will observe and realize that small amounts of energy (sparks) can escalate into larger amounts of energy (explosions) and experience the shock from the reaction.



Have you ever had this type of "Hiyari-hatto" experience before?

- While cutting an empty drum, which had previously been used to store solvent, a spark from the hand grinder ignited the invisible vaporized solvent that remained and caused a small explosion.



| | |
|-------------------|--|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W900 x L600 x H1,670 (mm) |
| Weight | Approximately 50kg(Including the main body, workbench, and transformer.) |
| Note | Cover is included. Use toluene or acetone for simulation. |

Dust Explosion Simulator

ACSEL 3020



With fine particle powder suspended in the air, it only takes the smallest of ignition sources to result in a large-scale explosion. This simulator works by agitating the powder with bellows and triggering a spark to let you feel the power of an explosion.



Have you ever had this type of "Hiyari-hatto" experience before?

- Dust scattered into the air while separating the components of crushed electronic equipment for recycling is ignited by a spark, resulting in a fire.



| | |
|-------------------|--|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | 0.25Mpa |
| Outside dimension | W900 x L600 x H1,670 (mm) |
| Weight | Approximately 60kg(Including the main body, workbench, and transformer.) |
| Note | Cover is included. Use flour for simulation. |

Solvent Combustion and Explosion by Static Electricity Simulator

ACSEL 3030

Manufacturing

Food factory

All works

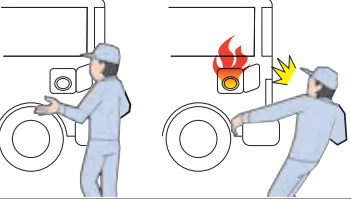
Plant

PAT-NO.319550

This simulator discharges static electricity at an organic solvent (benzene) to let you see it igniting. By observing the instant the benzene catches fire following the discharge you will immediately appreciate the necessity of static electricity elimination and ventilation.

Have you ever had this type of "Hiyari-hatto" experience before?

Static electricity occurs at the metal part of the fuel filler opening while filling up at the gas station, and the gas is vaporized and catches fire.





Voltage

Air pressure

Outside dimension

Weight

Note

Specifications of a power supply will be determined after consulting.

W1,800 x L600 x H1,670 (mm)

Approximately 80kg(Including the workbench.)

Use benzene and toluene or acetone for simulation.
Options: Insulating rubber mat, electricity removal mat, and static electricity measuring device

YouTube



Short Circuit Simulator

ACSEL 3060

Electrical

Work site

Manufacturing

Food factory

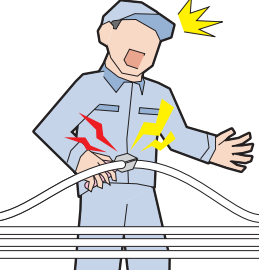
All works

The device allows people to experience and learn the risk of short circuit and spark by cutting energized wire using nippers.

CAUTION : Strong flash occurs when the wire is cut.

Have you ever had this type of "Hiyari-hatto" experience before?

I cut a wire that I did not know that was energized causing a short-circuit shock and sparking!





Voltage

Air pressure

Outside dimension

Weight

Specifications of a power supply will be determined after consulting.

W805 x L560 x H1,440 (mm)

Approximately 100kg

Short circuit experience



Indicator



Electric Shock, Overcurrent and Tracking Simulator

ACSEL 3040

Electrical

Work site

Manufacturing

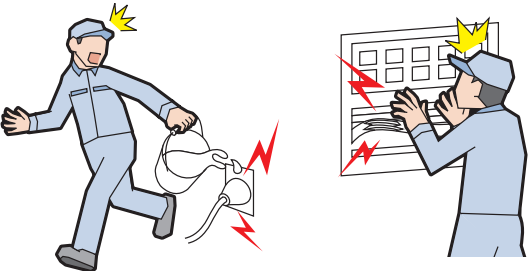
Food factory

All works

The device allows people to experience and learn the risk of overloading an electrical circuit and demonstrates the differences in the effects of an electrical shock under dry and wet conditions.

Have you ever had this type of "Hiyari-hatto" experience before?

The worker is electrocuted by accidentally touching a bare cable while checking a control box. Water is accidentally spilt onto an electrical outlet causing a short circuit.





Voltage

Air pressure

Outside dimension

Weight

Specifications of a power supply will be determined after consulting.

W975 x L850 x H1,700 (mm)

Approximately 250kg

YouTube



Circuit Breaker Power Failure Simulator

ACSEL 3050

Electrical

Work site

Manufacturing

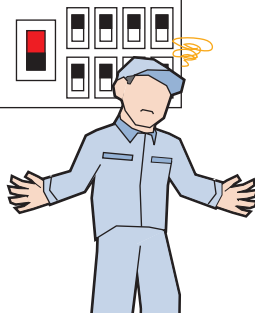
Food factory


All works

This simulator shows the effectiveness of using an ELB (Earth Leakage Circuit Breaker) with power failure and short circuit accidents.

Have you ever had this type of "Hiyari-hatto" experience before?

The circuit breaker was activated but it took me time to restore the power because I don't know where the leakage or short-circuit was coming from.





Voltage

Air pressure

Outside dimension


Weight

Specifications of a power supply will be determined after consulting.

W600 x L410 x H225 (mm)

Approximately 20kg

YouTube



VR & Roller Jamming Accident Simulator

ACSEL 1101



This simulator demonstrates what a jamming accidents by using Virtual Reality. It gives you more realistic feeling with a combination of Safety Experience Simulator and VR.



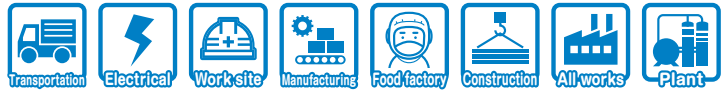
VR Software Development



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W700 x L1,000 x H1,415 (mm) (Excluding peripherals(PC, VR sensor, etc.)) |
| Weight | Approximately 170kg |

VR Stepladder · Falling Accident Simulator

ACSEL 5051



This simulator demonstrates a fall accident during stepladder work or due to wobbling of the handrail with VR. By combining Safety Simulator and VR using live-action video from a 360° perspective, more realistic experience is possible.



VR Software Development



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W1,270 x L880 x H2,000 (mm) |
| Weight | Approximately 150kg |

Cutting Accident Simulator

ACSEL 5140

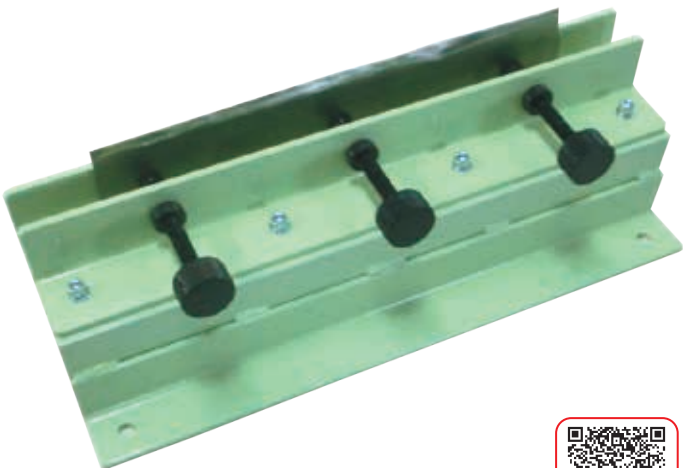


This Simulator demonstrates how burrs and papers can easily cut into your skin. You place gloves or papers and slide them on the thin metal plate.



Have you ever had this type of "Hiyari-hatto" experience before?

- I got cut by burrs when I carry a completed product.
- I did not pay much attention when I carried the documents because it was paper, not a blade or a knife, and I got cut by them.



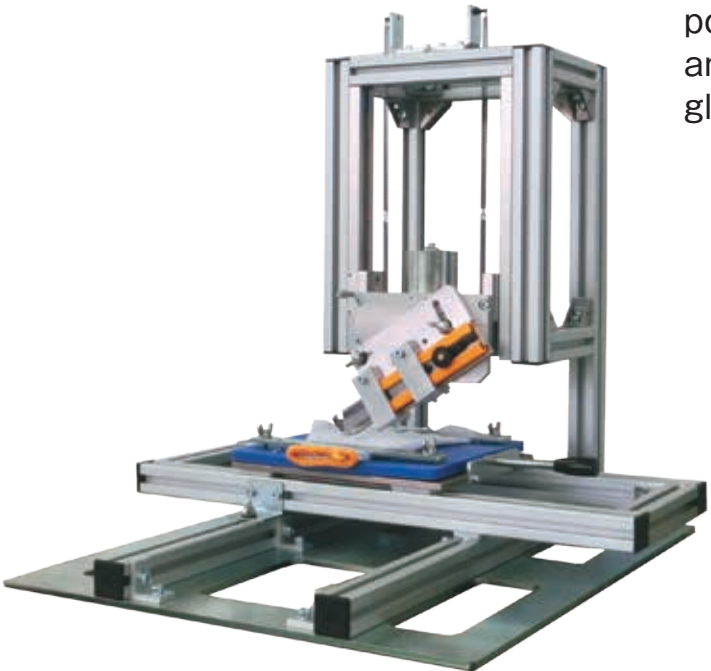
| | |
|-------------------|--|
| Voltage | |
| Air pressure | |
| Outside dimension | Main body: W400 x L205 x H160 (mm) Cover: W500 x L300 x H260 (mm) |
| Weight | Approximately 15kg |
| Note | Storage cover is included. |

Cutting Knife Accident Simulator

ACSEL 5170



This simulator lets you learn about the potential dangers when using a cutting knife and the benefits of wearing cut resistant gloves.



| | |
|-------------------|-------------------------|
| Voltage | |
| Air pressure | |
| Outside dimension | W520 x L530 x H530 (mm) |
| Weight | Approximately 20kg |

Slipping and Falling Down Simulator

ACSEL 5030



PAT-NO.5690304

People walk on a flat plate, a stage plank, a ball roller, checkered plates (2 sets) and a free roller surface, and experience slipping and falling down.

Have you ever had this type of “Hiyari-hatto” experience before?

- Accidentally stepping on a roller surface, a person slipped and fell down.
- Accidentally stepping on a nut left on a path, a person slipped and fell down.



| | |
|-------------------|---|
| Voltage | |
| Air pressure | |
| Outside dimension | W750 x L1,470 x H1,300 (mm) 2 sets (1 device uses 2 sets.) |
| Weight | Approximately 200kg |

Stairway Slipping and Falling Down Simulator

ACSEL 5040



This simulator has been designed to let you experience steps with steep gradients both visually and by walking on them, and teaches you about the dangers inherent in stairs. That way, you will learn the importance of holding onto handrails.

Have you ever had this type of “Hiyari-hatto” experience before?

- I climbed down the stairs without looking where I was going, and almost lost my footing.
- I lost my balance on the stairs and fell over because I wasn't holding onto the handrail.



| | |
|-------------------|-----------------------------|
| Voltage | |
| Air pressure | |
| Outside dimension | W750 x L2,790 x H1,900 (mm) |
| Weight | Approximately 200kg |

Stairway Slipping and Falling Down Simulator:Large

ACSEL 5041



This simulator demonstrates the danger of stairs by walking on the various types of the stairs and learn the importance of grabbing handrail.



| | |
|-------------------|-----------------------------|
| Voltage | |
| Air pressure | |
| Outside dimension | W840 x L2,780 x H2,300 (mm) |
| Weight | Approximately 400kg |

Unsteady Stepladder Accident Simulator

ACSEL 5050



PAT-NO.3197026

This simulator allows the worker to experience the potential dangers of using stepladders in an unsafe manner.

Have you ever had this type of “Hiyari-hatto” experience before?

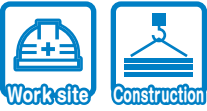
- The hinge is not locked so the stepladder may collapse without warning. The stepladder is on an uneven surface and becomes unstable.



| | |
|-------------------|--|
| Voltage | |
| Air pressure | Approximately 0.5Mpa |
| Outside dimension | Main body: W800 x L1,500 x H2,000 (mm) Control panel: W350 x L410 x H800 (mm) |
| Weight | Approximately 150kg |

Elevated Workplace Accident Simulator

ACSEL 5060



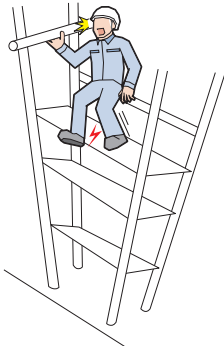
This elevated platform allows the worker to learn the benefits of using a safety harness correctly. The top bar is adjustable to demonstrate how it affects worker's safety at different levels.



| | |
|-------------------|--|
| Voltage | |
| Air pressure | |
| Outside dimension | W2,420 x L1,540 x H3,540 (mm)(Excluding ladder.) |
| Weight | Approximately 650kg |

Have you ever had this type of "Hiyari-hatto" experience before?

- This worker is disconnecting one of the bars, losing his balance and potentially falling.



Stage Incline Accident Simulator

ACSEL 5110



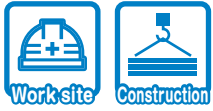
This Simulator features two simulation functions: Handrail movement and platform instability experiences. You can understand the risk of falling from an unstable work platform.



| | |
|-------------------|--|
| Voltage | |
| Air pressure | Approximately 0.4Mpa |
| Outside dimension | Main body: W1,040 x L2,230 x H1,860 (mm) Control panel: W310 x L306 x H830 (mm) |
| Weight | Approximately 250kg |

Slingsing Wire Accident Simulator

ACSEL 2070



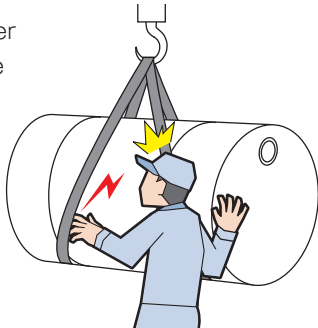
This simulator allows you to experience the danger of a workplace accident while operating a hoist and sling wire. You can understand and observe the danger of jamming incident by inserting an imitation hand or a thin bamboo stick.



| | |
|-------------------|--|
| Voltage | Specifications of a power supply will be determined after consulting.(For chain block) |
| Air pressure | |
| Outside dimension | W1,200 x L1,200 x H2,300 (mm) |
| Weight | Approximately 450kg (With an empty drum.) |
| Note | Fill the drum with water before simulation. (About 220kg when full capacity.) |

Have you ever had this type of "Hiyari-hatto" experience before?

- I was about to jam my finger between the cargo and the sling wire during slinging work.



Safety Shoes and Helmet Accident Simulator

ACSEL 2050

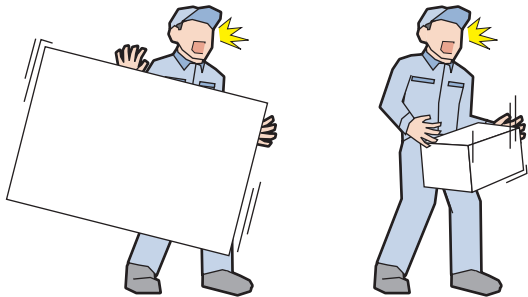


This device simulates the effectiveness of wearing safety shoes and helmets when a worker drops heavy items onto their feet.



Have you ever had this type of "Hiyari-hatto" experience before?

- A heavy item slipped from my hands and the item was about to drop on my foot.



| | |
|-------------------|--|
| Voltage | |
| Air pressure | |
| Outside dimension | W400 x L755 x H1,880 (mm)(Excluding handle.) |
| Weight | Approximately 170kg |

Industrial Safety Belt Simulator



ACSEL® 5120

ACSEL® 5121



This device lets the worker experience the shock of falling and how their body is compressed by the body belt type safety belt and the harness belt type.



Single

| | |
|-------------------|--|
| Voltage | Specifications of a power supply will be determined after consulting.(For chain block) |
| Air pressure | |
| Outside dimension | W1,700 x L1,000 x H2,680 (mm) |
| Weight | Approximately 125kg |
| Capacity | 1-person, Max load 150kg |

Double

| | |
|-------------------|--|
| Voltage | Specifications of a power supply will be determined after consulting.(For chain block) |
| Air pressure | |
| Outside dimension | W2,670 x L1,000 x H2,680 (mm) |
| Weight | Approximately 200kg |
| Capacity | 2-persons, Max load 150kg for each |

Hand Grinder Running and Collision Simulator

ACSEL® 2080



This simulator allows you to learn the danger of an uncontrolled grinder when it is plugged in with its switch already turned on. Also, you can experience the impact when a grinder hits a wall or some form of protuberance.



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W750 x L610 x H1,770 (mm) |
| Weight | Approximately 200kg |

Dropping Impact Measurement Simulator

ACSEL 5150



This simulator measures the impact when you fall from height. Looking at the number readout of the impact, and you can imagine how serious it could be when you fall from height.



Have you ever had this type of "Hiyari-hatto" experience before?

- When I was working at height, I made a false step and was about to fall.



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | Control panel : W800 x L500 x H1,250 (mm) Main body : W1,000 x L600 x H310 (mm) |
| Weight | Approximately 400kg |
| Note | Prepare a hoist crane, a sandbag or mannequin to drop, stage which drop sandbag from, and safety fence. |

Human Body Impact Accident Simulator

ACSEL 5160



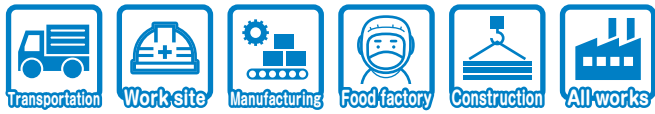
This simulator is created to achieve safety consciousness by seeing the effects to the fake human body when it is hit by heavy moving goods with a strong impact. Trainees can hear the strong impact sound while the impact force measurement is displayed on a monitor to show its full effect.



| | |
|-------------------|--|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | Control panel: W800 x L500 x H1,260 (mm) Main body: W780 x L940 x H1,010 (mm) |
| Weight | Approximately 500kg |

Lifting Weight Simulator

ACSEL 5130

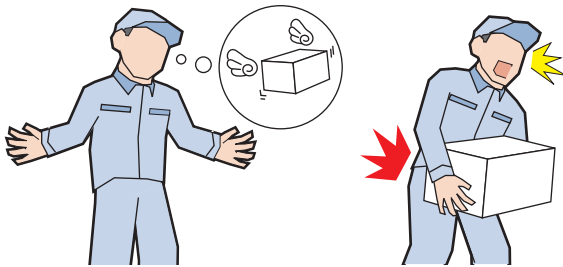


This simulator allows you to experience the mental miscalculation of lifting heavy items. Using three types of objects which are all the same weight but of different volume. You also can learn how the feel of the weight varies by how you lift it.



Have you ever had this type of "Hiyari-hatto" experience before?

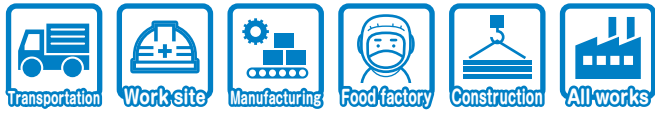
I injured my back as I lifted up a heavy box without due care. I thought the box was light but actually it was much heavier than I expected.



| | |
|-------------------|--|
| Voltage | |
| Air pressure | |
| Outside dimension | W250 x L250 x H390 (mm) |
| Weight | Approximately 7.5kg x 3 (Excluding weights.) |
| Note | Options: 5kg weights for each materials. |

Lifting Weight Simulator "G-Type"

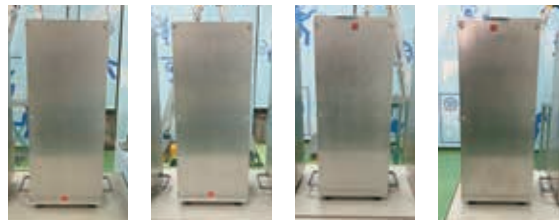
ACSEL 5135



This simulator allows you to experience the mental miscalculations of lifting heavy items. You can learn how the feel of the weight varies by how you lift and by the differences of the gravity of each box.



Type



1.Low gravity with grip 2.Low gravity without grip 3.Upper gravity with grip 4.Upper gravity without grip



| | |
|-------------------|--|
| Voltage | |
| Air pressure | |
| Outside dimension | W352 x L250 x H676 (mm) x 2, W252 x L252 x H676 (mm) x 2 |
| Weight | Approximately 10kg x 4 |

Electrical Safety Devices Simulator

ACSEL 3070



This equipment demonstrates the features and performance of electric safety devices such as sensors, light curtains, interlock switches, emergency stop devices, enabling switches, awareness lamps etc. The electric motor in this simulator is controlled (start/stop) by the usage of these various electric safety features to demonstrate their effectiveness.



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W920 x L540 x H1,700 (mm) |
| Weight | Approximately 150kg |

Low Oxygen Simulator

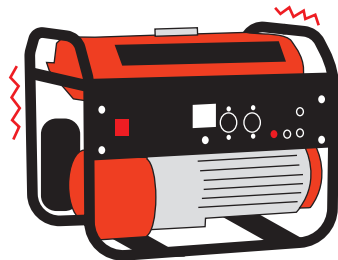
ACSEL 5080



This simulator shows you how a hypoxic environment occurs by using carbon dioxide from dry ice.

Have you ever had this type of "Hiyari-hatto" experience before?

An internal combustion engine running in an enclosed area without enough ventilation can lead to a shortage of oxygen.



| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W960 x L590 x H485 (mm) |
| Weight | Approximately 30kg |

Pointing and calling! Are you doing it?

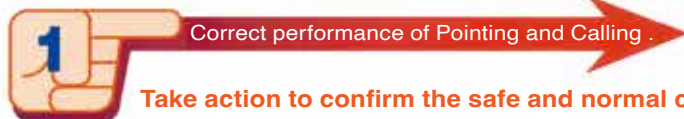
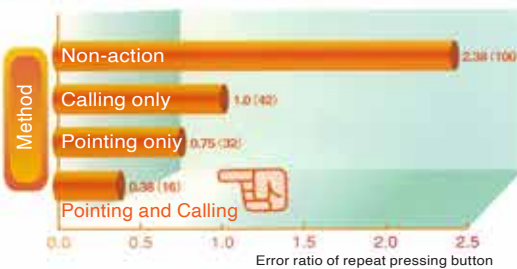
We can make mistakes by wrong impressions, misunderstandings and misreading's, etc. Those mistakes are called "Human Errors".

To avoid those human errors, we advocate using the Pointing and Calling confirmation method.

The ratio of mistakes without a confirmation method is 2.5%, but after applying the pointing calling method, it can reduce to 0.4%.

The " Pointing and Calling " method is very effective.

The result of measuring Pointing and Calling effectiveness



Take action to confirm the safe and normal condition of each work place is the basic concept.



Take Note!

- Hear your calling voice (speak up!)
- Focus your mind and take strong direct gestures
- It's important to use your body and all of your sensors(eyes,ears,mouth,nose,finger,etc) and confirm that you have used the correct work method and safety operation.

Pointing and Calling Procedure Simulator



PAT-NO.3173618

The device allows people to experience the effectiveness of pointing and calling procedure by showing the differences in the accuracy ratios when operation is conducted with/without the pointing and calling procedure.

ACSEL 5010



■ Standard

| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W700 x L630 x H650 (mm) |
| Weight | Approximately 40kg |

ACSEL 5020



■ Light

| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | W550 x L540 x H545 (mm) |
| Weight | Approximately 25kg |

patent pending

ACSEL 5000



This is PC software of "Pointing and Calling Procedure Simulator". If you have a Tablet PC or Touch Panel Display, you can use this simulator anytime and anywhere. Also, you can save and print the results.

■ mini

| | |
|---------------------------------|--|
| Main body | USB flash drive |
| Recommended specification of PC | Windows10 64bit, mounted memory 8GB or more, CPU i7 6xxx or later, screen resolution 1366x768 or more |
| Recommended equipment | Tablet PC mounted windows 10 (screen size: 13inch or more) Touch panel display (screen size: 23.8inch or more) |
| Note | Prepare a recommended equipment with recommended specification. |

Factory Automation Mechanism Learning Equipment

ACSEL 6000



This is a learning kit about electrical control. Up to three types of PLC (Programmable Logic Controller) can be used with this unit.



*Desk,chair,and PC are not included.



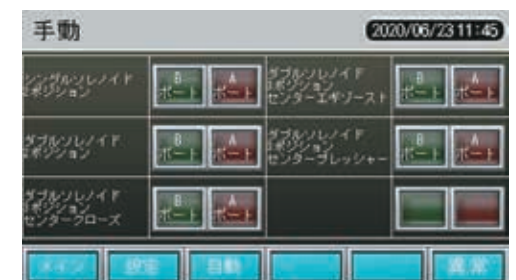
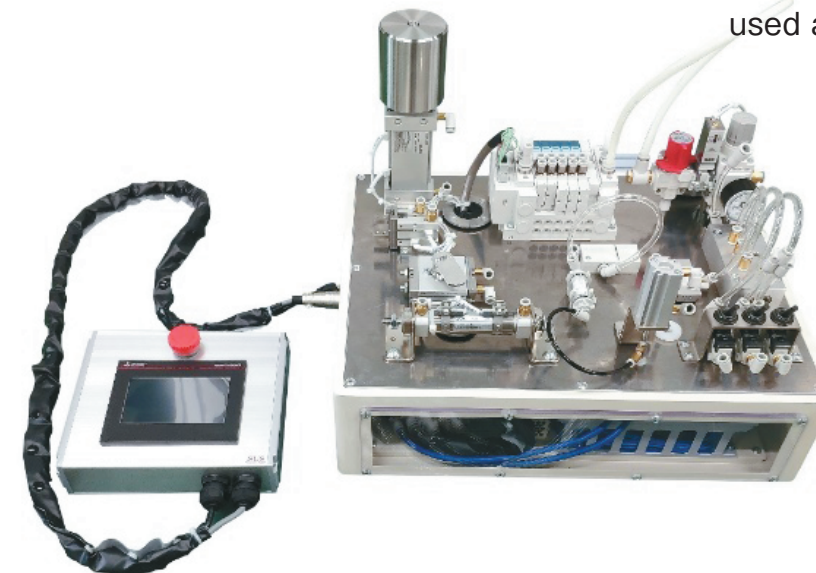
| | |
|-------------------|--|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | |
| Outside dimension | Main body: W600 x L400 x H800 (mm) Control panel: W300 x L200 x H320 (mm) |
| Weight | Main body: Approximately 80kg Control panel: Approximately 10kg x3 |

Air Control & Circuit Trouble Training Device

ACSEL 6010



This is a device to learn the features of 12 sets of pneumatic apparatus. It can also be used as a touch panel study kit.



*English version is also available.

| | |
|-------------------|---|
| Voltage | Specifications of a power supply will be determined after consulting. |
| Air pressure | 0.5Mpa |
| Outside dimension | W450 x L350 x H350 (mm) |
| Weight | Approximately 20kg |

Industrial Accident Illustration Guide

You can learn about industrial accident cases through simple and easy-to-understand stories.
Industrial Accident Illustration Guide

Industrial Accident Illustration Guide



Industrial Accident Illustration Guide DVD version



NOTICE

- ◎ The specification of simulators may change from time to time.
- ◎ If you wish to change the specification, an additional charge will apply.
- ◎ Standard colour is as below

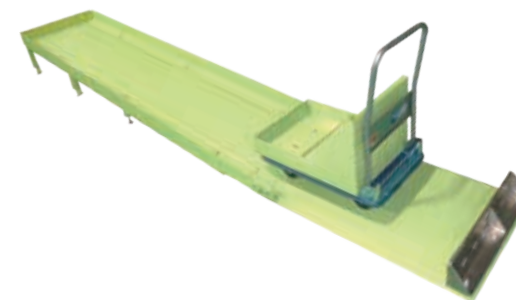
Main Body: 7.5GY 8/6
Control Panel: 2.5Y 9/1
Cover, Hand Rail: 2.5Y 8/12

※ If you wish to change the colour, it may cost additional charge.

- ◎ Primary sources of electricity or air should be prepared by customers.

We can customize safety simulator based on customer's desire.

Cart Impact Crushing Simulator



This simulator lets you experience the important safety points of handling two types of luggage carts, especially on a ramp way.

Tightening Nuts Simulator



This simulator lets you learn the appropriate nut clamping torque from M3 to M20 bolt nuts. There by, loosening and / or over tightening of nuts condition are avoided.

Electric Shock Simulator



This simulator lets you experience the difference in the effects of an electrical shock under dry and wet conditions.

Construction Belt Conveyor Simulator



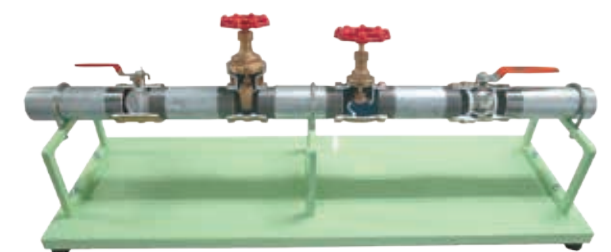
This Simulator allows you to learn the dangers and risks of belt conveyors used in construction. As this simulator is designed just like a real construction belt conveyor, you also can practice operating it.

Pipe Unit Simulator



This simulator allows you to learn correct pipe assembly. You can check if it is properly assembled and free of air leaks by supplying air to it.

Valve Learning Kit



By using the cut model of valves, you will learn the name, role and structure of each valve.

※The specification of simulators may change to improve function and performance.

ASIA CREATE'S
SAFETY SIMULATORS ARE USED,
THROUGHOUT THE WORLD.



- Brazil
- Hungary
- Indonesia
- Philippines
- USA
- Canada
- Hong Kong
- Malaysia
- Taiwan
- Vietnam
- China
- India
- Mexico
- Thailand

Production Scene



Risk Prediction Training Center



Our center offers around 70 different training experiences with over 45 machines that can simulate realistic and dangerous situations. The center provides safety lectures combined with hands on operation and observation that improves safety awareness and danger avoidance. In addition, we provide education and guidance in practical and useful measures that enhance overall workplace safety and efficiency.



[Main Training Center]

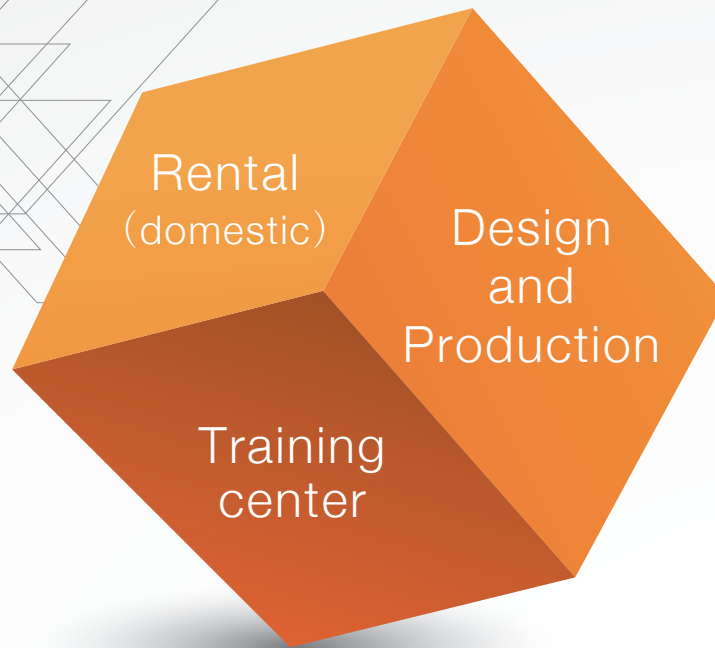


[Seminar Room]



[No.2 Training Center]

For Safety Experience Simulators we provide



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Fax. +81 533 84 5585

<https://asia-create.jp/en/>



Video showing the operation of the
“Safety experience simulators”
You can take a look.

Access the introduction videos of each Safety experience simulators on Youtube.

Inside Youtube AsiaCreate Search

https://www.youtube.com/user/AsiaCreate/videos?disable_polymer=1