

X-Ray Inspection System

General Catalog

The X-ray inspection system checks the material density to detect foreign body or faulty shape and inspects the weight.

XrayHawk

SX2 series

SXS2 series

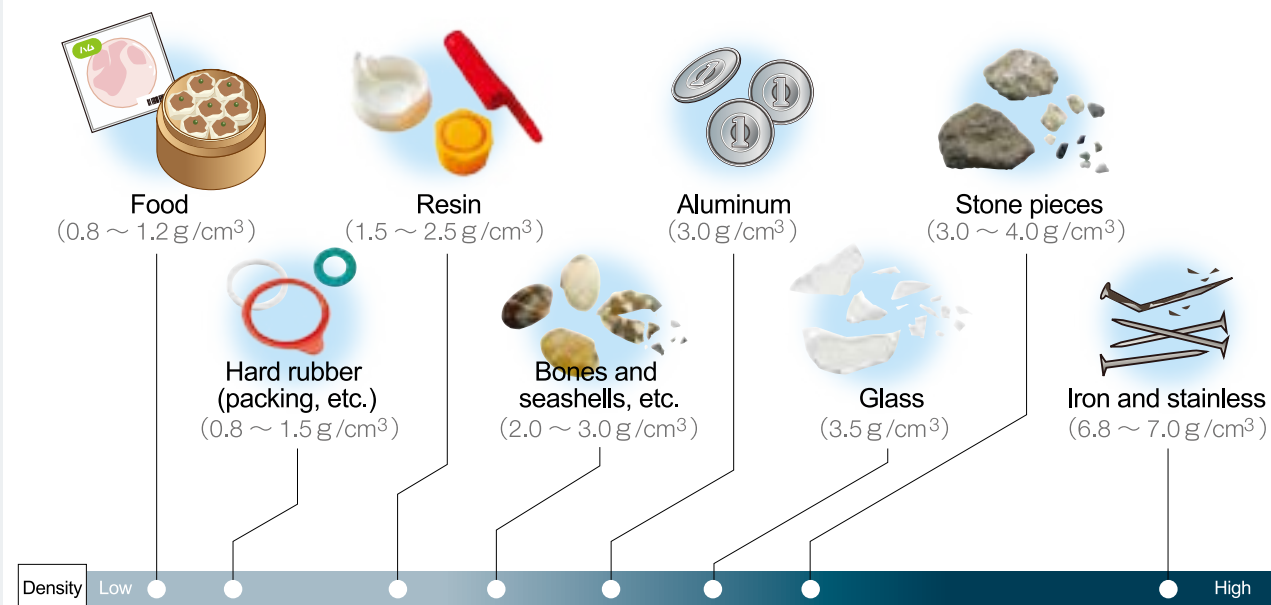
X-RAY INSPECTION SYSTEM

What you can do with the X-ray inspection system



Foreign body made from various materials can be detected.

(Foreign body inspection can be combined with other inspections.)



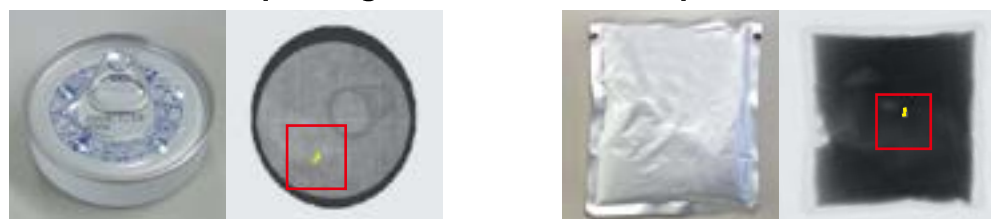
In addition to metal foreign objects, other foreign objects, such as stone, glass, bone, and high-density plastic can be inspected.

Comparing products to be inspected, materials with relatively higher density are detected easily.

As a reference, materials which float in water have an extremely low density and are difficult to detect.



Contents inside metallic packing materials can be inspected.

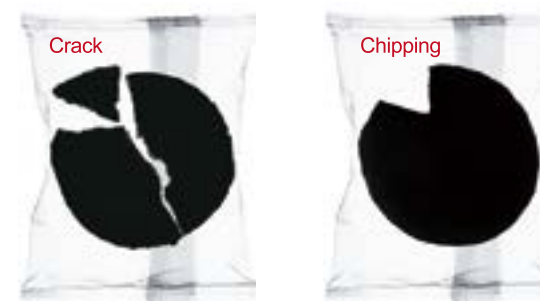


Canned products

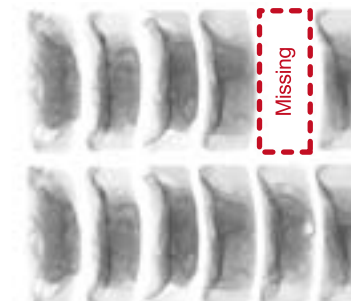
Aluminum packing products (including aluminum evaporation package products)

Foreign objects in cans and aluminum packing materials, through which the light is not transmitted and the contents of which cannot be seen, are also detected.

Shape inspection (Cookie)



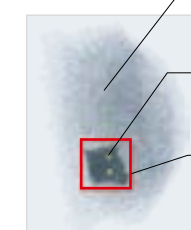
Quantity inspection (Gyoza)



Mask inspection



Only the portion inside the frame is inspected.



Non-masked portion and masked portion are inspected separately. (Sensitivity is an example.)

Non-masked portion
SUS Φ0.5
Masked portion
SUS Φ1.0
Deoxidation raw material, etc. (Mask portion)

Seal inspection

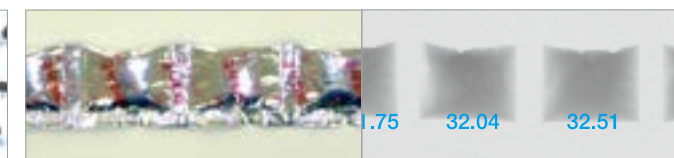


Foreign body caught in seals of packing materials are inspected.

Relative weight inspection



Weight check of randomly placed products.

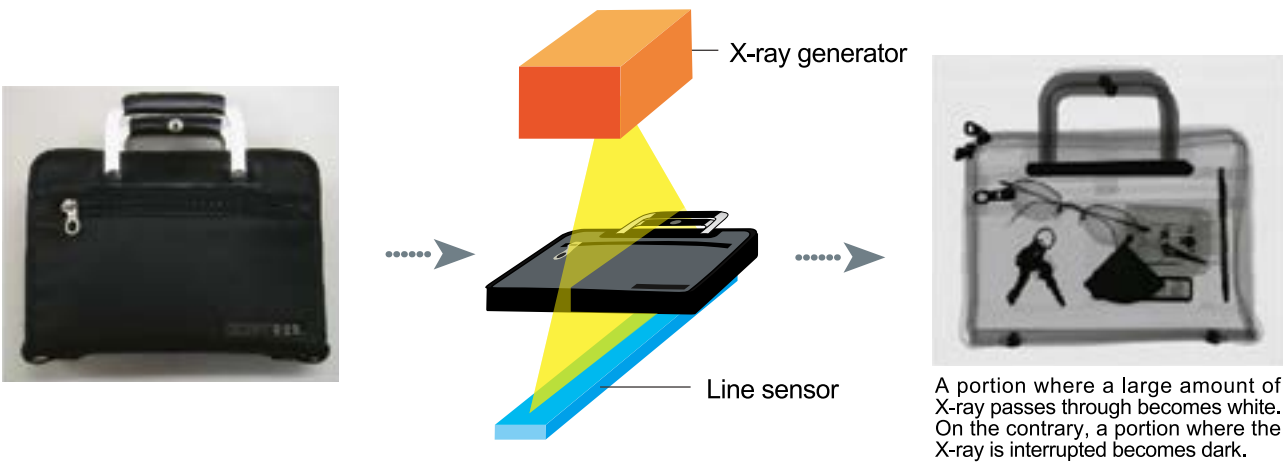


Continuous weight check of continuously-packaged products (Individually-packaged products can also be checked.)

The weight is inspected using density.

The weight of randomly placed products or continuously-packaged products that cannot be inspected with a weight measuring instrument can be inspected.

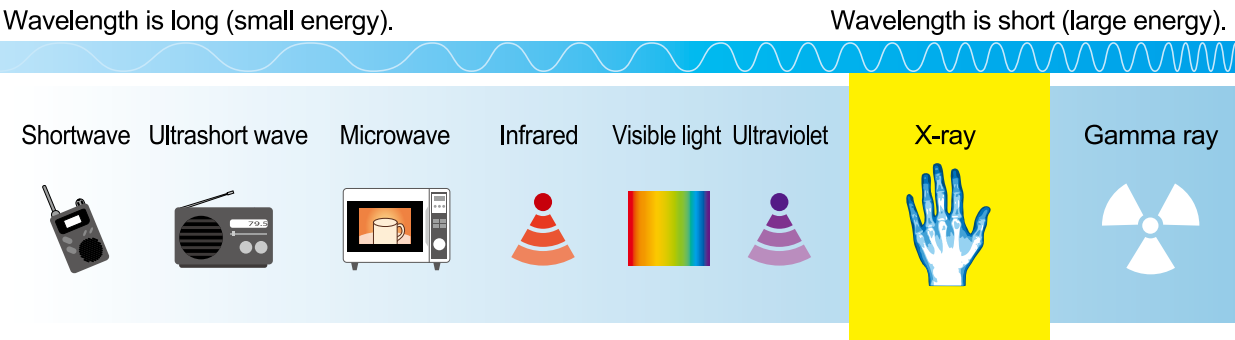
About X-ray inspection system



For assuring safety

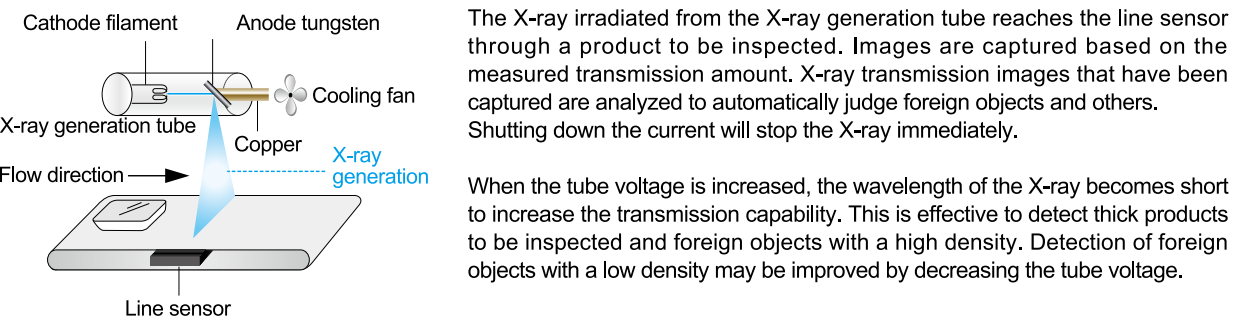


X-ray belongs to electromagnetic waves

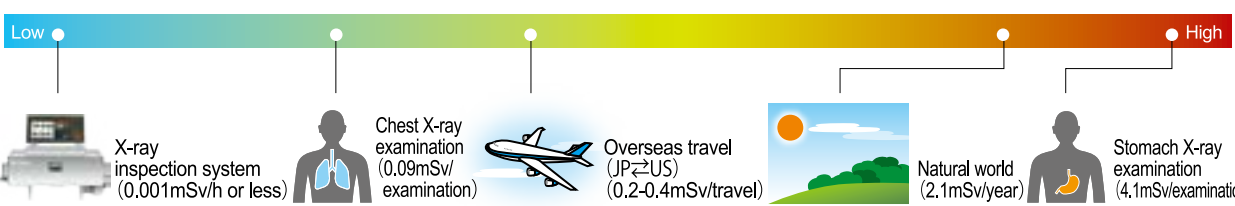


The X-ray inspection system is so designed that the inside of an article can be seen clearly by utilizing the principles that are basically the same as the X-ray radiography. Soft X-ray with small energy among X-rays is used for the X-ray inspection.

Mechanism of X-ray generation

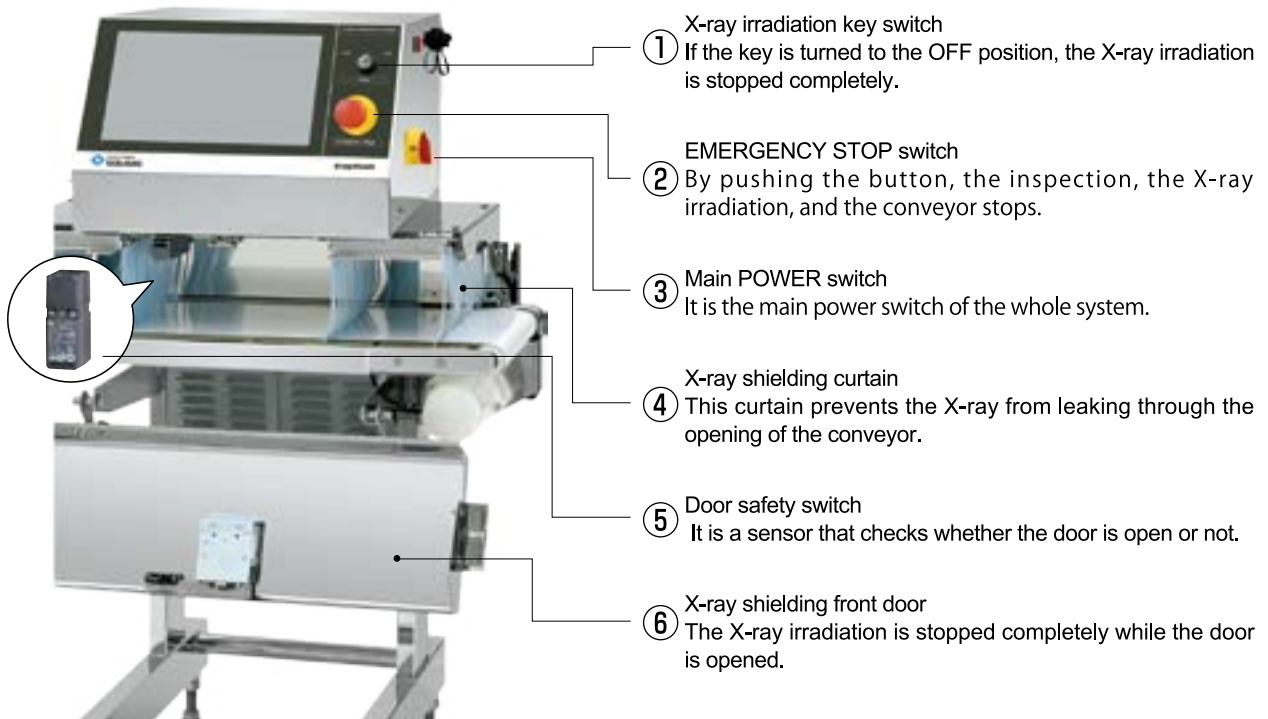


Example of X-ray exposure level comparisons



Hazardous work is prevented.

Various safety measures are taken by considering work personnel' s safety. The system can be operated safely even without special qualification about X-ray.



●Sufficient safety measures for work personnel are taken based on " Ministerial Ordinance for Prevention of Hazards from Ionizing Radiation". According to these rules, when the X-ray leak does not exceed 1.3mSv within 3 months, it is not necessary to assign the supervisor in charge of work. The X-ray leak of this system is 1μSv/h or less. Therefore, if the same operator works, 1μSv/h x 16 hrs./day x 6 days/week x 13 weeks (3 months) = 1.25mSv/3 months. This value is within the specified range. The X-ray irradiation amount of this system is 0.1Gy or less based on "Food Sanitation Act" . This level has no problem from a view point of toxicity, nutrition, and microbiology.

●Company that will use the inspection system must submit the plan to the Chief of the Labor Standards Inspection Office in relevant region at least 30 days prior to the installation work of the X-ray inspection system.

●It is necessary to execute warming up X-ray once a month.

●Make sure to ground the earth terminal of the power plug for safety (according to the 3rd class grounding standard) . Never connect several cables to one ground point. Or some expensive parts would be in risk at breaking down.

Features of System Square's X-ray inspection system



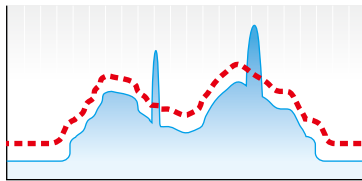
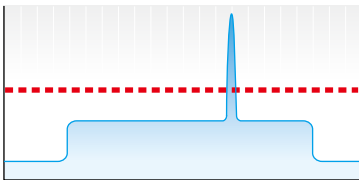
Everyone can operate the system easily.



Important setting operations such as sensitivity setting are supported by easy-to-understand guidance.



Pursuing high-sensitivity detection



Originally developed image analysis program can detect not only solid foreign objects such as metal, but also bone or resin foreign objects with a high sensitivity. Customizing to fit product characteristics is also supported.

Enhanced information management function



Writing image data



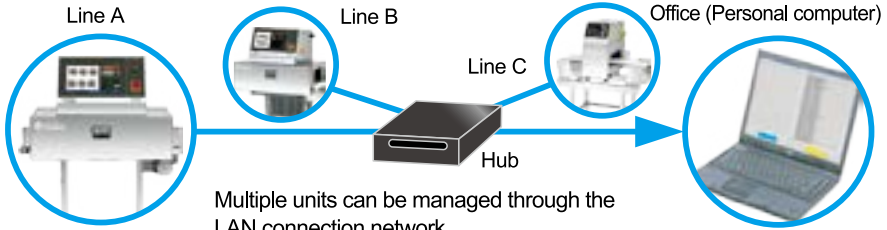
Writing of text data



External memory (option)



Data can be taken from the system so as to manage it.



Simple maintenance work



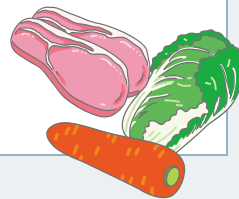
Consideration for maintenance work such as easily detachable transfer belt. Overall equipment structure is made simple to improve the cleaning ability.

Raw material pre-process

Recommended models

- SX2-2554W, SX2-4074W
- Applicable to complete waterproof (IP66) and dust-proof. Tough environment-resistant performance is incorporated as standard.
- A variety of customizing results suitable for production lines.

Major inspection item
Foreign object

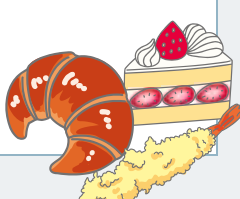


Cooking product

Recommended models

- SX2-2554W, SX2-4074W
- Applicable to complete waterproof (IP66) and dust-proof. Tough environment-resistant performance is incorporated as standard.
- A variety of customizing results suitable for production lines.
- Foreign object inspection and other inspection such as shape or weight inspection can be made at the same time.

Major inspection item
Foreign object, shape, and weight



Packaging and boxing

Recommended models

- SXS2 series (jam inspection with high sensitivity)
- Hybrid inspection is incorporated. Applicable to all packaged products. Separate belt conveyor type machine
- Effects of transport belt are eliminated to ensure high-sensitivity inspection.
- SXP-2044W
- Low running cost, low price machine
- SX2-2554W, SX2-4074W
- Applicable to complete waterproof (IP66) and dust-proof.

Major inspection item
Foreign object, jam, missing product

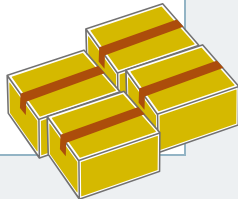


Storage and shipment

Recommended models

- SX2-5376W, SX2-6976D
- Applicable to inspection of large products.
- Mask function is applied to corrugated boards or trays to identify portions to be inspected. This ensures high-sensitivity inspection.

Major inspection item
Foreign object

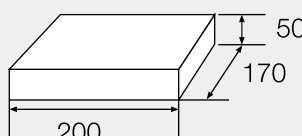
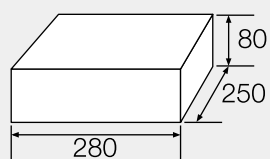
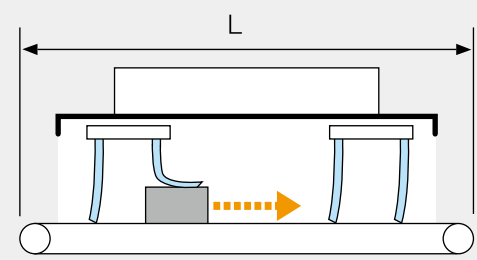
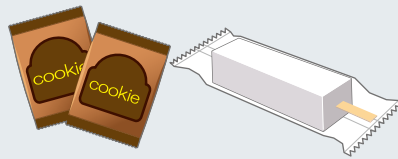
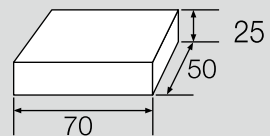
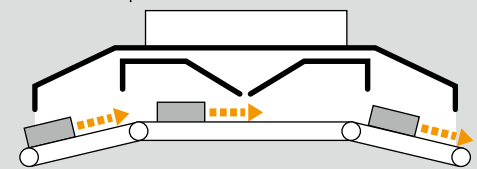
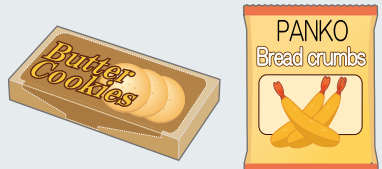
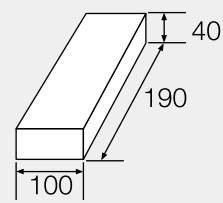
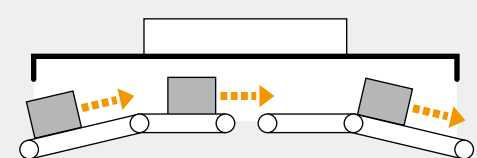
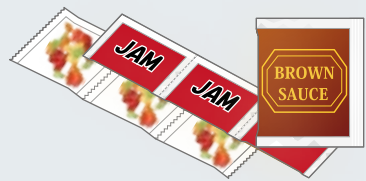
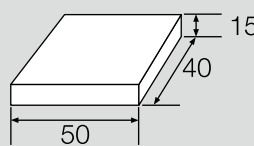
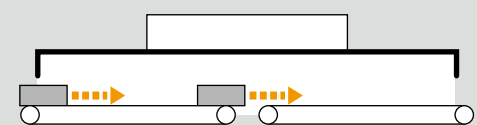
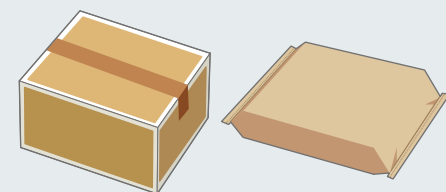
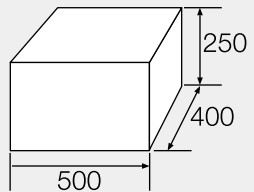
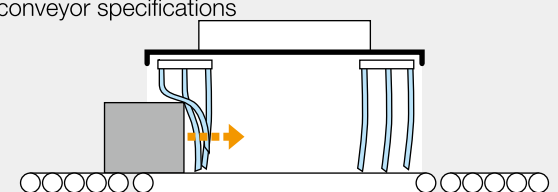
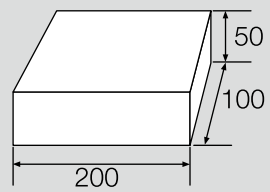
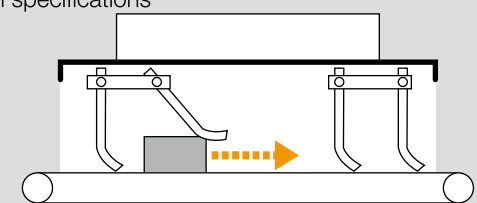
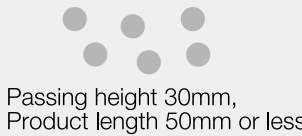
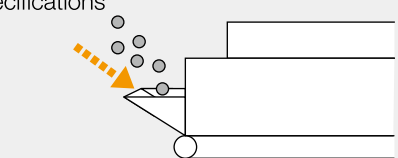
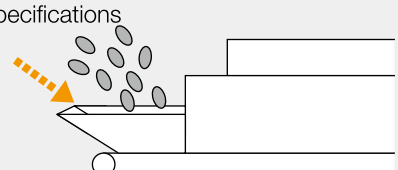


Line Up

Line Up	Features	Passing size W x H (no curtain type) unit: mm	Tube voltage and output	Standard machine length	Protection Grade (Waterproof and dust-proof)	Inspectable item
SXP-2044W	Small size model Compact design and low price Low running cost	190×100(40)	40kV 60W	800mm	Inside of inspection chamber conforms to IP66.	Foreign body inspection Jamming* Relative weight, area, quantity, and shape
SX2-2554W	Medium size model Completely sealed waterproof, dust-proof, with no cooling unit Complete waterproof	240×120	50kV 150W	800mm	Overall system conforms to IP66 as standard.	Foreign body inspection Jamming* Relative weight, area, quantity, and shape
SX2-4074W	 Completely Waterproof	390×150	75kV 300W			
SX2-5376W	Large size model For large products (Large box,large bag,food tray)	521×220	75kV 300W	1200mm	—	Foreign body inspection Jamming*
SX2-6976D		673×300	75kV 300W		Equivalent to IP4X	Relative weight, area, quantity, and shape
SXP-1354W	Continuously-packaged product inspection	130×30	50kV 100W	600mm	Inside of inspection chamber conforms to IP66.	Foreign body inspection Jamming* Relative weight, area, quantity, and shape
SX2-2154W	Highly sensitive X-ray model (separate conveyor) For thin products	210×50(20)	50kV 150W	1000mm		
SX2-3474W	Low leak type	340×50(20)	50kV 300W			
SXS2-2154HC1D	Hybrid inspection 	210×50	50kV 150W	1000mm	—	Jamming inspection with high sensitivity Foreign body inspection Relative weight, area, quantity, and shape
SXS2-3474HC1D	 +  +  +  (High sensitivity Inspections can be made.)	340(300)*×120 * The belt width is 300 mm	50kV 300W	1200mm		

* Options,contact our company.

Selection of appropriate transport method (reference)

Product to be inspected		Inspection product size (guideline) Unit: mm	Transport specifications	Features
General packaged products	 Confectionery Pasta Processed meat Frozen foods Flour, etc.	 	Curtain specifications 	L=800mm General purpose curtain specifications The product needs a certain weight (100g or more) L=1400mm Extend the conveyor to reliably block X-rays even for large products
	 Individually packaged product (aligned) Confectionery Ice cream, etc.		Trapezoidal no curtain specifications 	For light products that do not slip (approx. 50g or less) Since the curtain does not hit the product, it is difficult to change the posture Curtains do not wear out in environments with a large number of processes Corresponds to product heights 30-40mm or less
	 Light box products (short) Large and light bag products		Split trapezoidal conveyor specifications 	High-grip transport belt enables stable transport of light products Corresponds to product heights 100mm or less
	 Thin products Continuous packaging products		Split straight conveyor specifications 	The number of processes is large and the posture does not change easily. Corresponds to seal inspection Corresponds to product heights 20mm or less
	 Cardboard Craft bag		Large conveyor specifications 	For large products with a product height 150 mm or more
Unpackaged products	 Meat (block)		SUS curtain specifications 	Hygienic, direct contact with naked food is OK Corresponds to product heights 40mm or less
Bulk products	 Individually packaged confectionery / Candy Cut meat Mushroom Cut vegetables Grains / Beans / Nuts Frozen foods, etc.	 Passing height 30mm, Product length 50mm or less	Entrance chute specifications 	Inspection / sorting integrated type Corresponds to passing heights 30mm or less, product length 50mm or less
		 Passing height 30mm, Product length 250mm or less	Entrance hopper specifications 	Inspection / sorting integrated type Corresponds to passing heights 30mm or less, product length 250mm or less

Compact design and low price

Small size model SXP-2044W



SXP-2044W

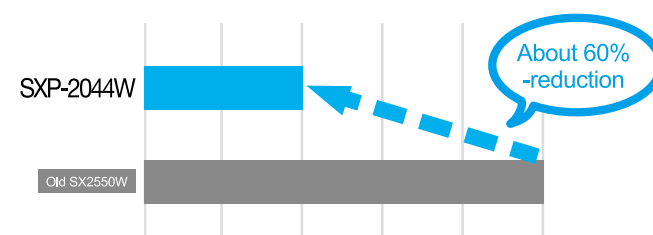


SXP-2044W No curtain Type



Low running cost

The service life of the X-ray generator, a consumable part, is improved significantly.* Furthermore, the power consumption is reduced approx. 50% when compared to the old SX2550W. Total cost necessary for the maintenance work after system installation is reduced 60%.



*The service life of the X-ray lamp bulb is 2.5 to 3 times longer than that of the old SX2550W. The bulb cost is reduced 25%.

Suitable for individually packaged products

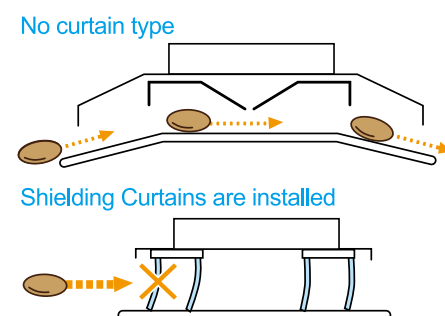
Suitable for inspection of individually packaged products such as aluminum packing retorts or snacks.



No curtain type for unpackaged products



No curtain type

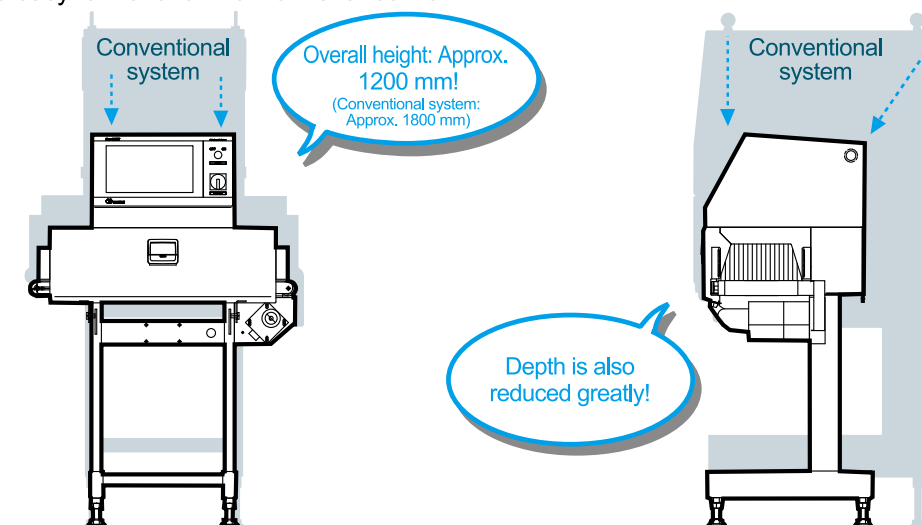


No curtain type

Shielding Curtains are installed

Super-compact design

The space sharing ratio becomes about half when compared to the conventional system! This system is lightweight and easy to move for the maintenance work.



User friendly operation system

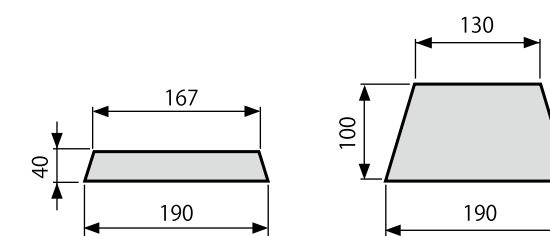
Easy operation through color touch panel.



Inspectable range

SXP-2044W
No curtain Type

SXP-2044W



Completely sealed with no cooling unit

Medium size model SX2-2554W / SX2-4074W

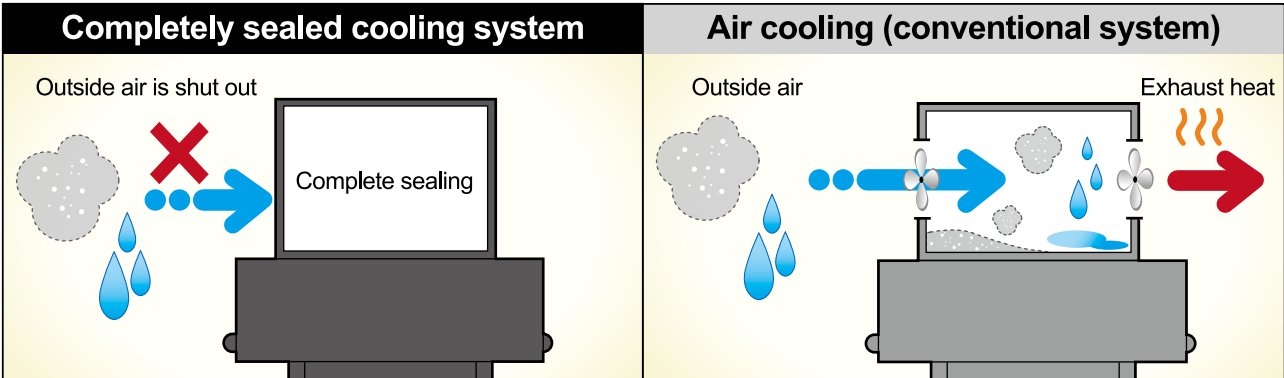


Full-body IP66- compliant



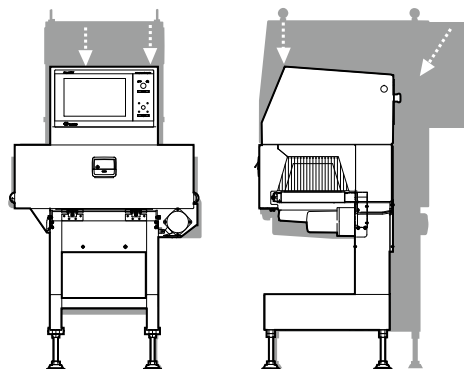
Completely sealed cooling system is used.

As the complete sealing is achieved, this greatly reduces damages to the system units due to humidity or dust. So, the system has a safer structure.



Cooling unit is not needed to achieve less-expensive price.

As installation of cooling unit is not needed, the compact design and less expensive price are achieved.



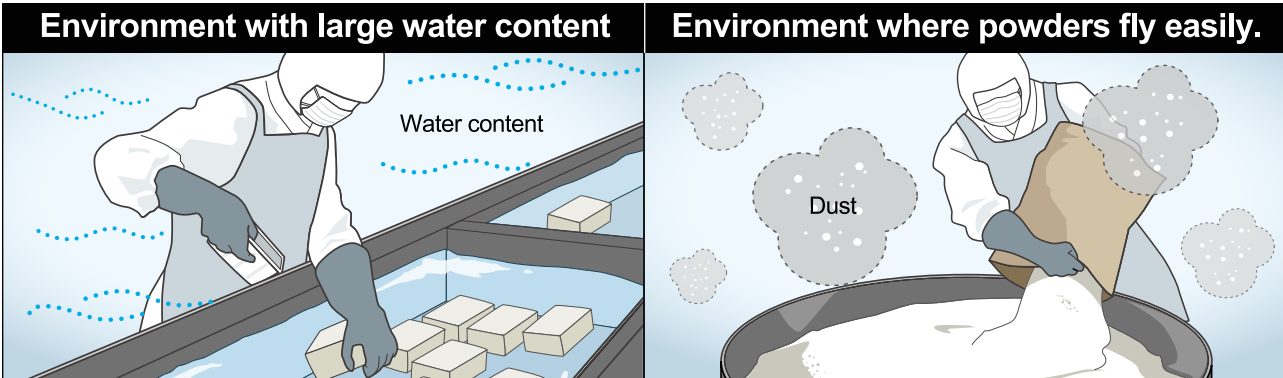
Completely sealed structure

Completely sealed structure does not need any filter for the air supply/exhaust port.



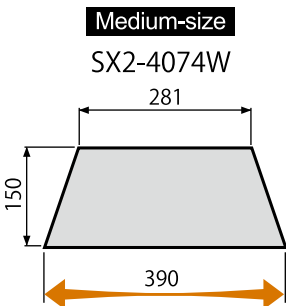
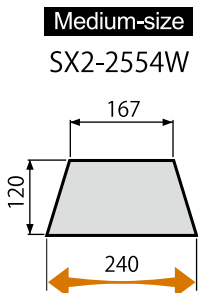
The overall system conforms to IP66.

The overall system conforms to IP66. The system needs no cooling unit and can be operated in a wide variety of environments.



Even compact size inspection system provides a wide inspection range.

Even the space saving model similar to the small-size inspection system provides an inspection range of the medium-size inspection system.



Unit:mm

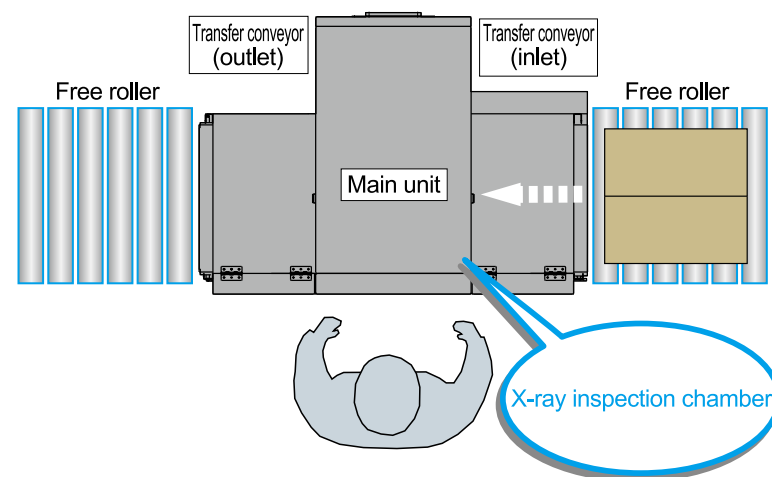
For large products

Large size model SX2-5376W / SX2-6976D



Inspection example

Inspection area is wide. Large case can be directly passed through the system.



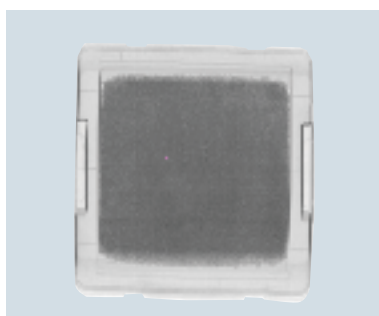
Wide and large opening



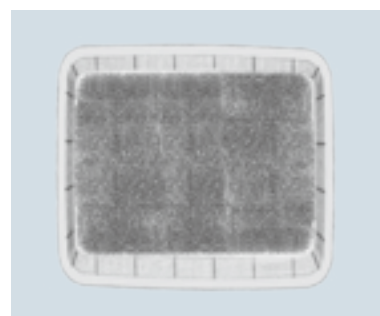
Inspection images

Even large products can be inspected with clear images.

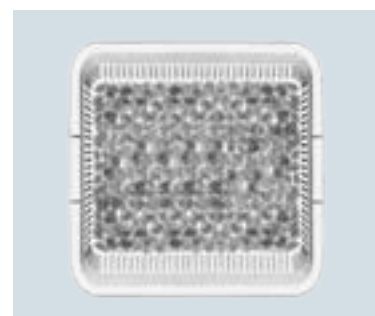
Rice in container



Bean in basket



Nut in basket



Applicable to inspection of large products

The system is suitable for inspection of products packed in large box, products packed in bag, and cloth rags as shown below.

Products in large box



Products packed in large bag

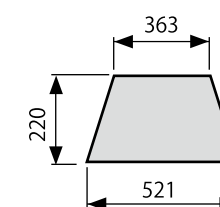


Products in food tray

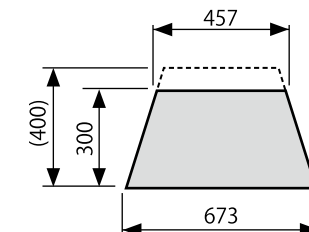


Inspectable range

SX2-5376W



SX2-6976D



Unit:mm

* Parenthesized values are for option unit.

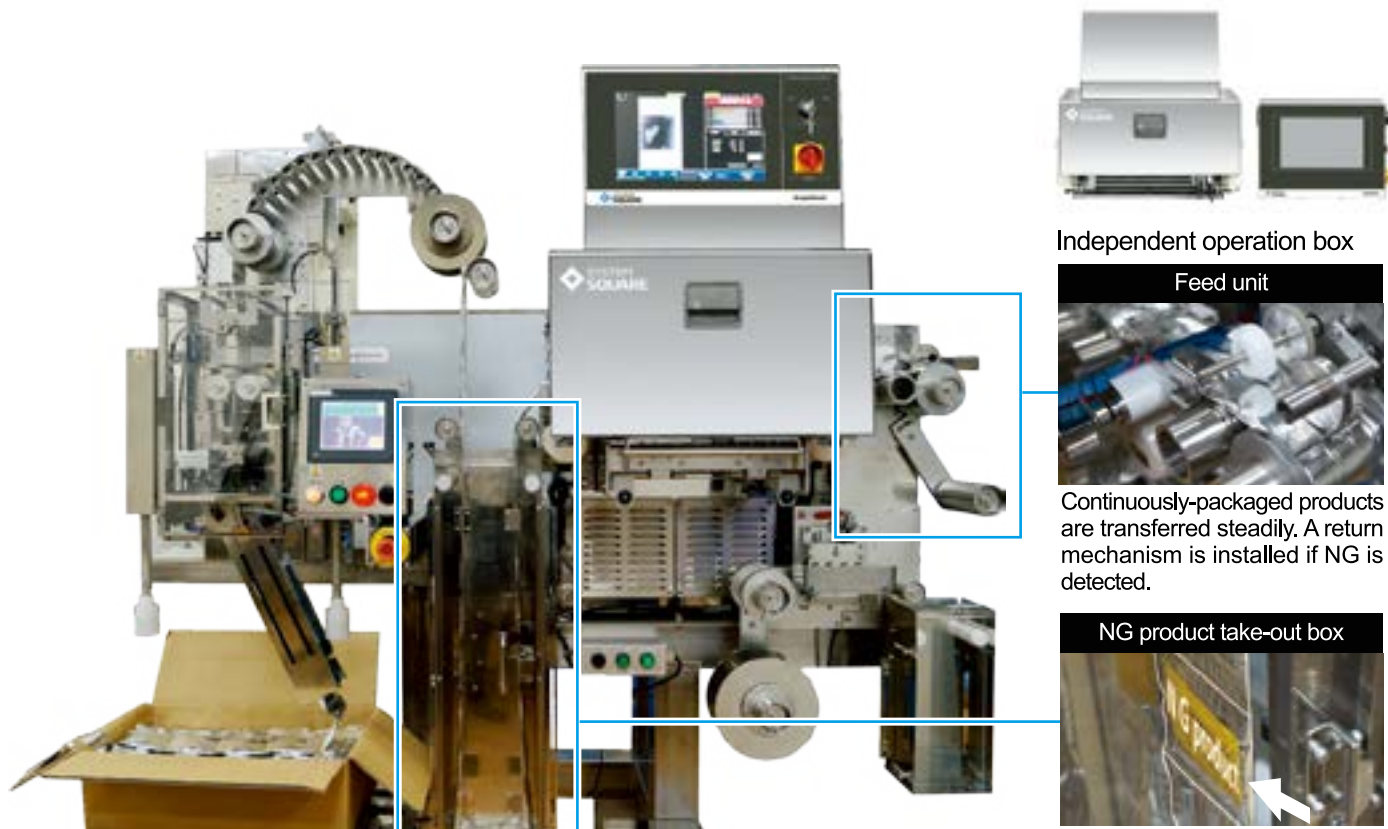
Continuously-packaged product inspection

Model for continuously-packaged product SXP-1354W



Features of continuously-packaged product inspection system

100%-inspection of powder particles such as soup, liquid such as sauce, desiccant, or oxygen scavenger in the continuously-packaged status can be performed. Foreign object, weight, and jam are inspected at the same time. A re-inspection system that operates if NG is detected is incorporated. The system is applicable to high-speed line after filling machine.



(Example of space-saving by incorporating an automatic holding machine. Single X-ray inspection system + feed unit type are also possible.)



Independent operation box



Continuously-packaged products are transferred steadily. A return mechanism is installed if NG is detected.



If NG is detected, the product is stopped at a specified position, allowing take-out and reconnection.

High sensitivity X-ray inspection system

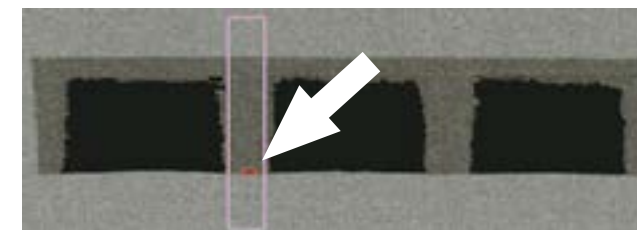
High sensitivity model SX2-2154W / SX2-3474W



▲ Divided conveyor

High sensitivity inspection for thin products

X-ray output suitable for thin product characteristics, low leak measures, divided conveyor are provided to ensure the inspection with high sensitivity.

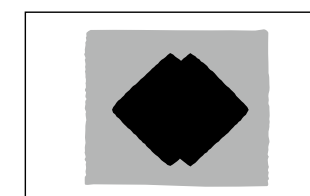


Example of jam inspection of continuously-packaged product

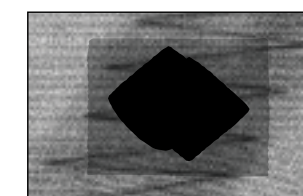


Example of jam inspection of individually-packaged thin product

Clean images and high sensitivity



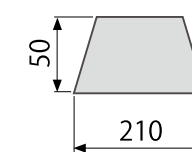
Divided conveyor
The system obtains clean images without being adversely affected by the transport belt. This ensures less incorrect detection and stable high sensitivity.



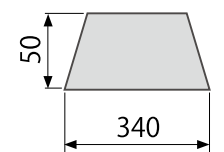
Conventional X-ray inspection system
As the transport belt is projected, the images are unclear and the sensitivity becomes poor.

Inspectable range

SX2-2154W



SX2-3474W



X-ray Seal Inspection System

For packaged products SXS2-2154HC1D / SXS2-3474HC1D

Various packing materials

Jamming

+

High sensitivity

Foreign body

+

Relative weight

+

Shape

Image of packing material until its edge can be captured clearly. This identifies the seal portion securely.

X-ray + Optical system

Aluminum packing material

X-ray image only

X-ray Whether seal part is faulty is unclear.

+

Optical system image only

OpticalSystem Contents inside the aluminum packing material are invisible.

- All of jamming, foreign body, relative weight, and shape are inspected with high sensitivity!
- Jamming inspection of various packing materials including aluminum packing material is achieved!
- Packing seal part can be identified securely!

Thermoforming package

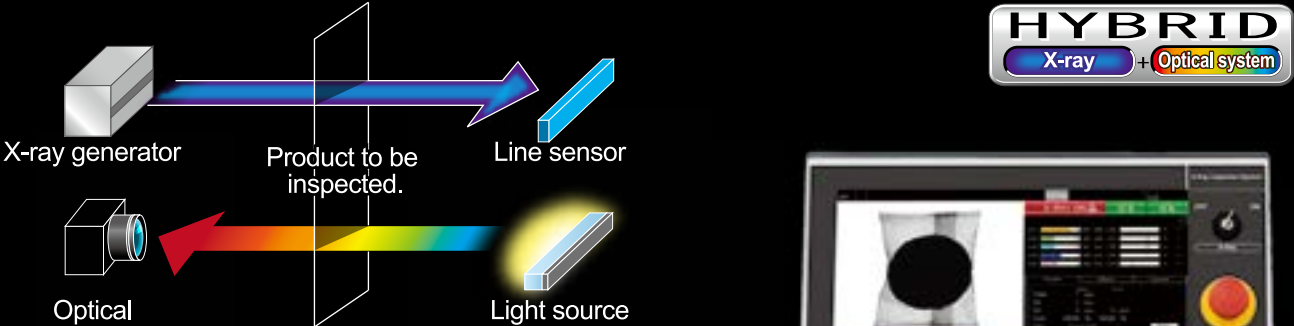
Tray package

Flat pouch package

Pillow package

Pillow package

Chuck package

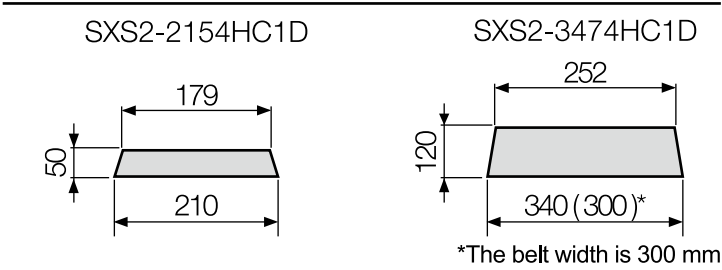


SXS2-3474HC1D SXS2-2154HC1D

Differences in sensitivity by packing bag

	Aluminum deposition			Transparent packing material		
	Jamming	Foreign body	Relative weight	Jamming	Foreign body	Relative weight
X-ray seal inspection system (SXS2) X-ray + Optical system	✓	✓	✓	✓	✓	✓
X-ray inspection system (SX2) X-ray	△	✓	✓	×	✓	✓
Seal inspection system (SLS) OpticalSystem	×	×	×	✓	×	×

Inspectable range



Example of seal inspection

Example of failed seal

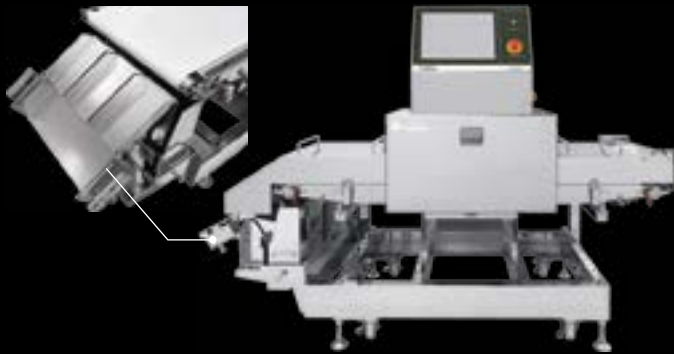


Special machines

Randomly placed products
(unpacked products)
Sorting machine integrated type

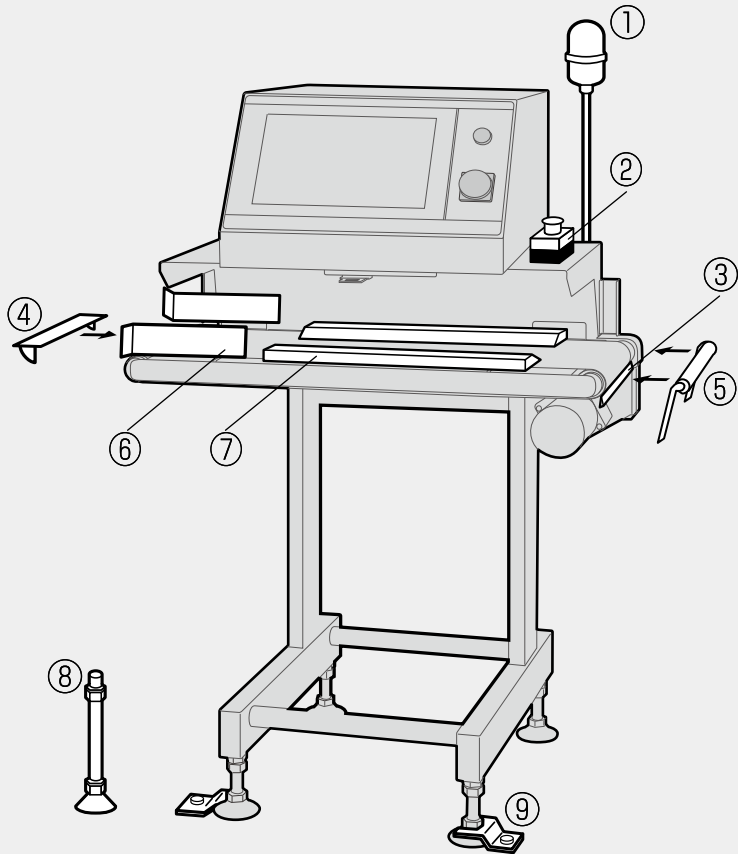


Randomly placed products
(unpacked products)
3 lines sorting machine integrated type



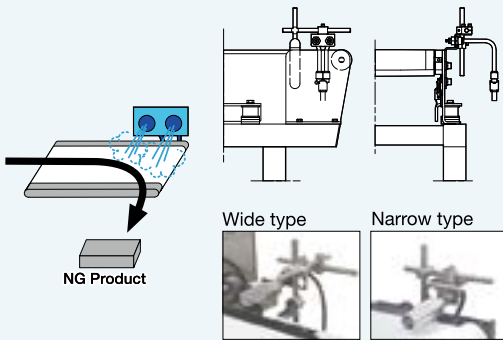
Options

- ① Signal lamp
- ② Emergency stop switch
- ③ Scraper
- ④ Transfer plate
- ⑤ Transfer roller
- ⑥ Workpiece guide
- ⑦ Overflow prevention guide
- ⑧ Conveyor height adjuster
- ⑨ Anchor metal fittings



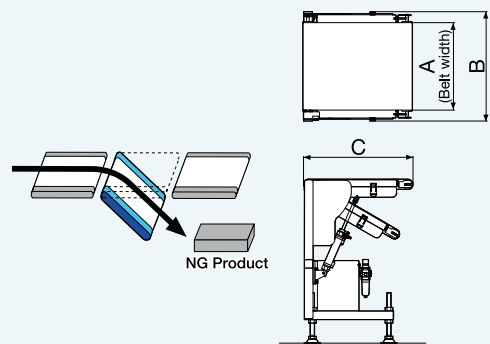
Rejector

Air jet system



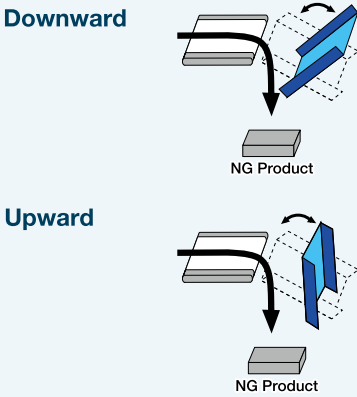
Model	AR
Sorting direction	Two-way
Air source	0.5-0.85Mpa
Air consumption	16L/time(ANR)
Weight	3kg

Dropout system(Belt)



Model	DV250W	DV400BW	DV540BW
Sorting direction	Two-way		
Air source	0.5-0.7Mpa		
Air consumption	1.0L/time(ANR)		
Weight	22kg	28kg	37kg
A	250mm	400mm	540mm
B	350mm	540mm	730mm
C	350mm	500mm	650mm

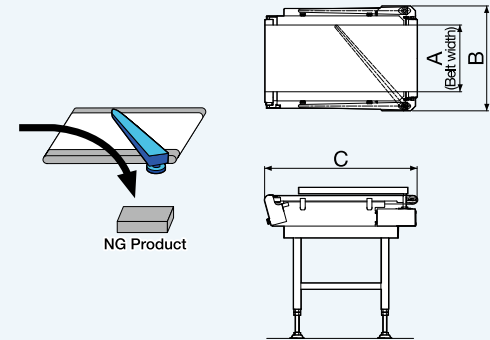
Dropout system(Chute)



Model	DS220W	DS350W	DS500W
Sorting direction	Two-way		
Air source	0.5-0.7Mpa		
Air consumption	0.5L/time(ANR)		
Weight	7kg	8kg	10kg

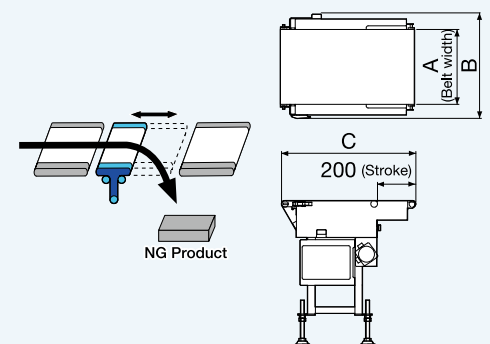
Model	US220W	US350W	US500W
Sorting direction	Two-way		
Air source	0.5-0.7Mpa		
Air consumption	0.5L/time(ANR)		
Weight	7kg	8kg	10kg

Flipper system



Model	FL220W	FL350W
Sorting direction	Two-way, Three-way	
Air source	0.5-0.7Mpa	
Air consumption	0.4L/time(ANR)	
Weight	37kg	70kg
A	220mm	350mm
B	400mm	550mm
C	700mm	800mm

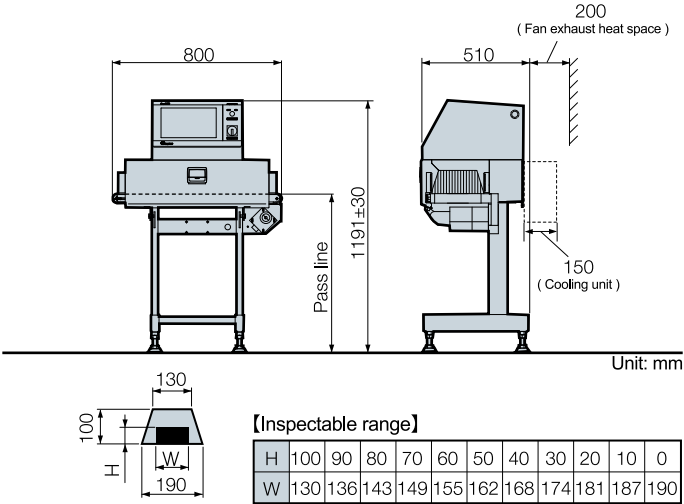
Shuttle conveyor



Model	SS250W	SS400W
Sorting direction	Two-way	
Air source	0.5-0.7Mpa	
Air consumption	2.8L/time(ANR)	
Weight	40kg	50kg
A	240mm	390mm
B	393mm	543mm
C	700mm	

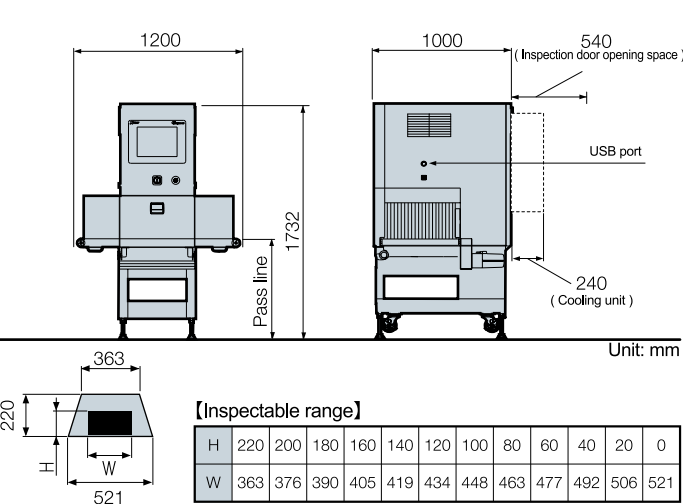
Dimensional Drawings and Specifications

SXP-2044W



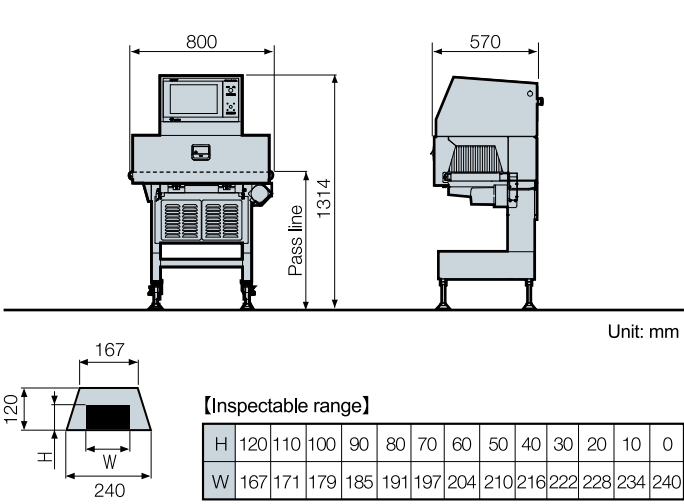
Model	SXP-2044W
Dimension of inspection product *1	Maximum passage width 190mm, Maximum passage height 100mm (no curtain type, 40mm)
Weight capacity	5kg *2
Conveyor speed	15-45m/min *2
Belt width	220mm (without meandering-less function) (220mm with meandering-less function is optional.)
Detectable material	Iron or stainless-steel ball (Φ0.3mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	12.1 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304) Protection Grade (Conveyor): equivalent to IP66 *4
Pass line	750±30mm
Max. X-ray output	Tube voltage (Max.): 40kV, Tube current (Max.): 1.5mA (Max: 60W)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	100kg
Main power supply	AC100V±10%/AC200V±10%, 550VA, 50/60Hz (In case with Cooling unit: AC200V±10%, 1.0kVA, 50/60Hz)

SX2-5376W



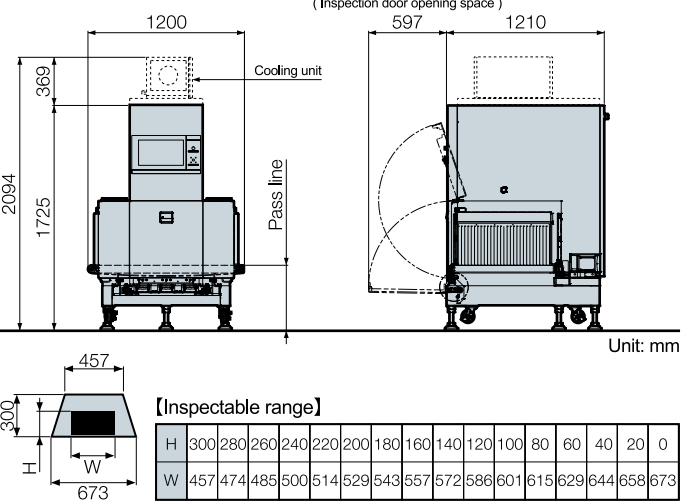
Model	SX2-5376W
Dimension of inspection product *1	Maximum passage width 521mm, Maximum passage height 220mm
Weight capacity	20kg *2
Conveyor speed	10-30m/min *2
Belt width	560mm
Detectable material	Iron or stainless-steel ball (Φ0.5mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	15.6 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304)
Pass line	750±50mm
Max. X-ray output	Tube voltage (Max.): 75kV, Tube current (Max.): 8.0mA (Max: 300W.)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	540kg
Main power supply	AC100V±10%/AC200V±10%, 1.5kVA, 50/60Hz (In case with Cooling unit: AC200V±10%, 2.5kVA, 50/60Hz)

SX2-2554W



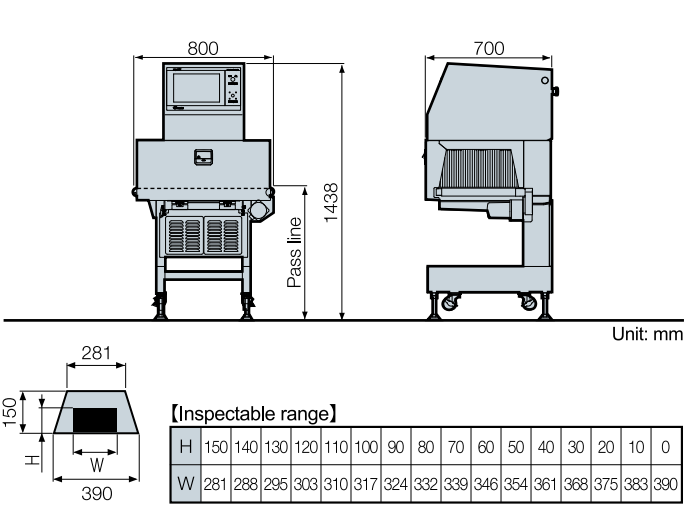
Model	SX2-2554W
Dimension of inspection product *1	Maximum passage width 240mm, Maximum passage height 120mm
Weight capacity	5kg *2
Conveyor speed	15-45m/min *2
Belt width	270mm (without meandering-less function) (270mm with meandering-less function is optional.)
Detectable material	Iron or stainless-steel ball (Φ0.3mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	15.6 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304) Protection Grade: Main unit equivalent to IP66 *4
Pass line	750±50mm
Max. X-ray output	Tube voltage (Max.): 50kV, Tube current (Max.): 5.0mA (Max: 150W)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	160kg
Main power supply	AC100V±10%/AC200V±10%, 1.0kVA, 50/60Hz

SX2-6976D



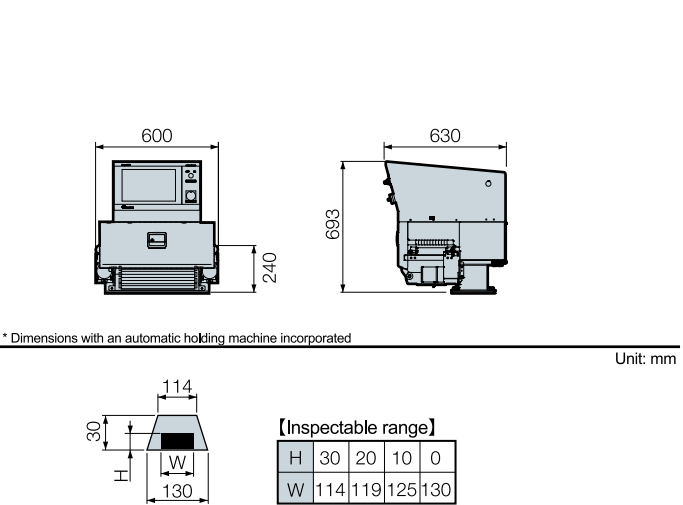
Model	SX2-6976D
Dimension of inspection product *1	Maximum passage width 673mm, Maximum passage height 300 (400) mm
Weight capacity	25kg x 2 pcs. *2
Conveyor speed	10-30m/min *2
Belt width	710mm
Detectable material	Iron or stainless-steel ball (Φ0.5mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	15.6 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304) Protection Grade: equivalent to IP4X *4
Pass line	500±50mm
Max. X-ray output	Tube voltage (Max.): 75kV, Tube current (Max.): 8.0mA (Max: 300W.)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	710kg
Main power supply	AC100V±10%/AC200V±10%, 1.5kVA, 50/60Hz (In case with Cooling unit: AC200V±10%, 2.5kVA, 50/60Hz)

SX2-4074W



Model	SX2-4074W
Dimension of inspection product *1	Maximum passage width 390mm, Maximum passage height 150mm
Weight capacity	5kg *2
Conveyor speed	15-45m/min *2
Belt width	420mm (without meandering-less function) (420mm with meandering-less function is optional.)
Detectable material	Iron or stainless-steel ball (Φ0.3mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	15.6 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304) Protection Grade: Main unit equivalent to IP66 *4
Pass line	750±50mm
Max. X-ray output	Tube voltage (Max.): 75kV, Tube current (Max.): 8.0mA (Max: 300W)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	240kg
Main power supply	AC100V±10%/AC200V±10%, 1.5kVA, 50/60Hz

SXP-1354W

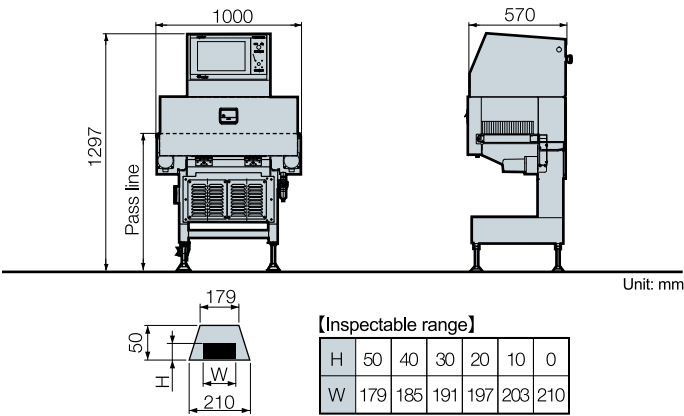


Model	SXP-1354W
Dimension of inspection product *1	Maximum passage width 130mm, Maximum passage height 30mm
Weight capacity	1kg *2
Conveyor speed	20-60m/min *2
Belt width	150mm (without meandering-less function) (150mm with meandering-less function is optional.)
Detectable material	Iron or stainless-steel ball (Φ0.3mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	12.1 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304) Protection Grade: Main unit equivalent to IP66 *4
Pass line	—
Max. X-ray output	Tube voltage (Max.): 50kV, Tube current (Max.): 5.0mA (Max: 100W)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	100kg
Main power supply	AC100V±10%/AC200V±10%, 1.0kVA, 50/60Hz

*1 Products that pass the inspectable range will be scanned. *2 For other weight or conveyor speed, contact SYSTEM SQUARE INC. *3 The detection sensitivity may vary depending on the type of inspection product and the operating environment. *4 This waterproof standard may not apply when options are mounted. *5 When the operating environment temperature exceeds 35°C, contact SYSTEM SQUARE INC. * The cover to prevent the X-ray leak may be required at the inlet and outlet according to the length of inspection product. * Options may be required in case that installation place has large temperature change and (or) high humidity, item to be inspected is too cold or hot.

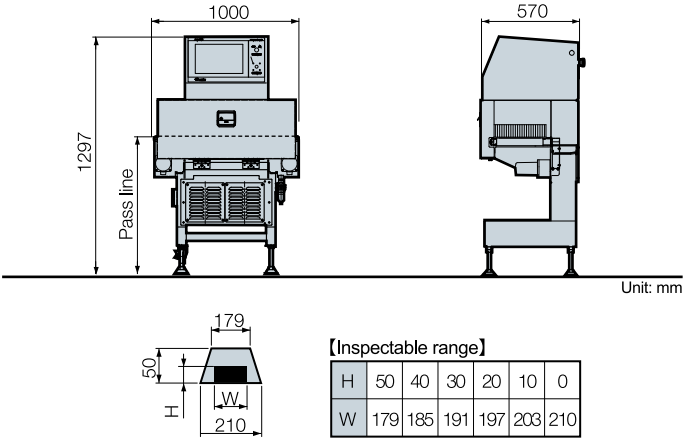
Dimensional Drawings and Specifications

SX2-2154W



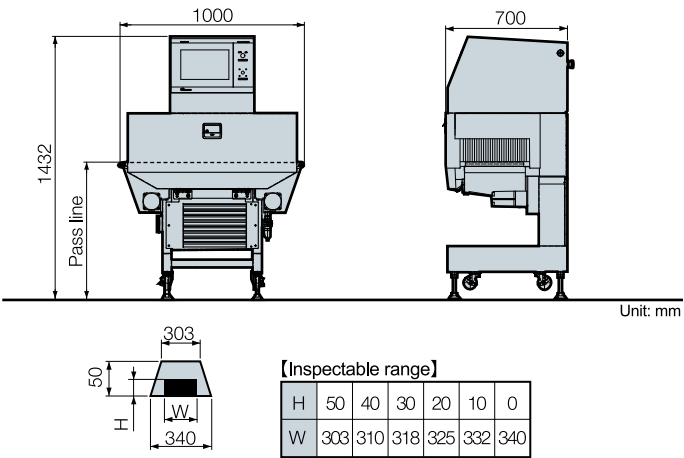
Model	SX2-2154W
Dimension of inspection product *1	Maximum passage width 210mm, Maximum passage height 50mm (no curtain type, 20mm)
Weight capacity	1kg *2
Conveyor speed	20-60m/min *2
Belt width	240mm
Detectable material	Iron or stainless-steel ball (Φ0.3mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	15.6 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304) Protection Grade: Main unit equivalent to IP66 *4
Pass line	750±50mm
Max. X-ray output	Tube voltage (Max.): 50kV, Tube current (Max.): 5.0mA (Max: 150W)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	200kg
Main power supply	AC100V±10%/AC200V±10%, 1.0kVA, 50/60Hz

SXS2-2154HC1D



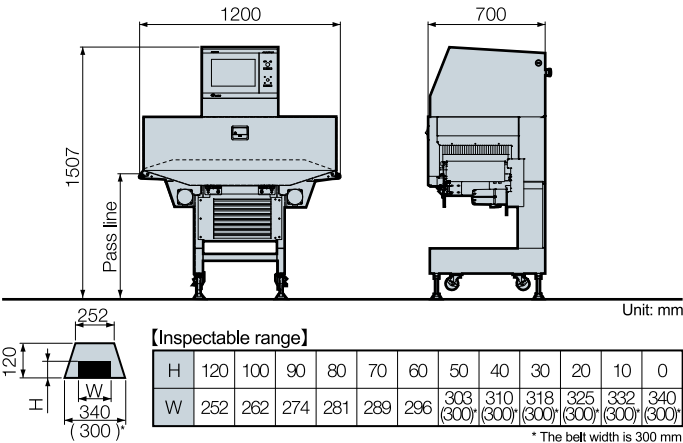
Model	SXS2-2154HC1D
Dimension of inspection product *1	Maximum passage width 210mm, Maximum passage height 50mm
Weight capacity	1kg *2
Conveyor speed	20-60m/min *2
Belt width	240mm
Detectable material	Iron or stainless-steel ball (Φ0.3mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	15.6 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304)
Pass line	750±50mm
Max. X-ray output	Tube voltage (Max.): 50kV, Tube current (Max.): 5.0mA (Max: 150W)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	220kg
Main power supply	AC100V±10%/AC200V±10%, 1.0kVA, 50/60Hz

SX2-3474W



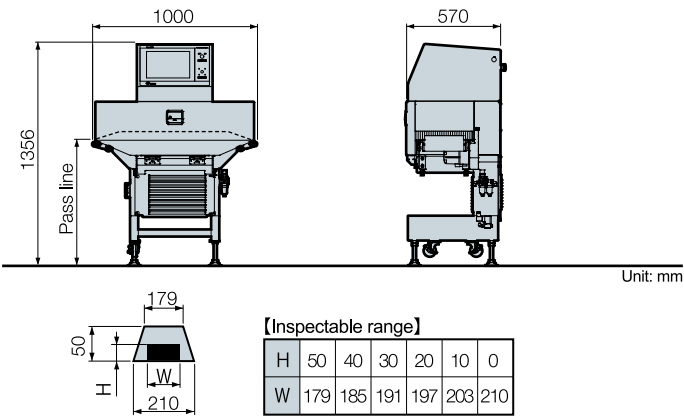
Model	SX2-3474W
Dimension of inspection product *1	Maximum passage width 340mm, Maximum passage height 50mm (no curtain type, 20mm)
Weight capacity	3kg *2
Conveyor speed	20-60m/min *2
Belt width	300mm
Detectable material	Iron or stainless-steel ball (Φ0.3mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	15.6 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304) Protection Grade: Main unit equivalent to IP66 *4
Pass line	750±50mm
Max. X-ray output	Tube voltage (Max.): 75kV, Tube current (Max.): 8.0mA (Max: 300W)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	300kg
Main power supply	AC100V±10%/AC200V±10%, 1.5kVA, 50/60Hz

SXS2-3474HC1D (Trapezoid)



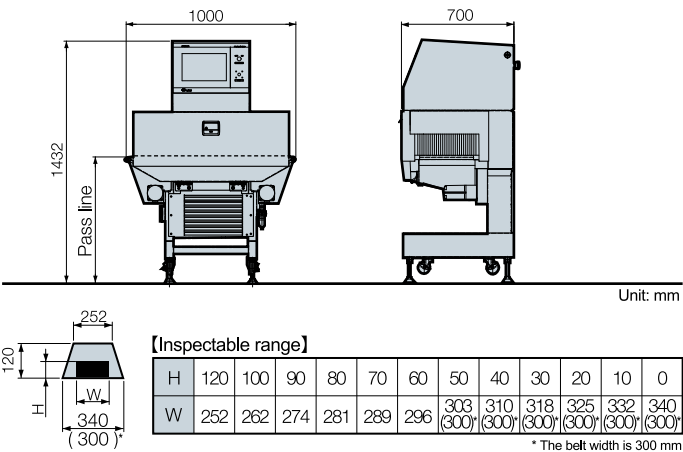
Model	SXS2-3474HC1D (Trapezoid)
Dimension of inspection product *1	Maximum passage width 340mm, Maximum passage height 120mm (no curtain type, 40mm)
Weight capacity	1kg *2
Conveyor speed	20-60m/min *2
Belt width	300mm
Detectable material	Iron or stainless-steel ball (Φ0.3mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	15.6 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304)
Pass line	750±50mm
Max. X-ray output	Tube voltage (Max.): 50kV, Tube current (Max.): 8.0mA (Max: 300W)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	320kg
Main power supply	AC100V±10%/AC200V±10%, 1.5kVA, 50/60Hz

SXS2-2154HC1D (Trapezoid)



Model	SXS2-2154HC1D (Trapezoid)
Dimension of inspection product *1	Maximum passage width 210mm, Maximum passage height 50mm (no curtain type, 25mm)
Weight capacity	1kg *2
Conveyor speed	20-60m/min *2
Belt width	240mm
Detectable material	Iron or stainless-steel ball (Φ0.3mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	15.6 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304)
Pass line	750±50mm
Max. X-ray output	Tube voltage (Max.): 50kV, Tube current (Max.): 5.0mA (Max: 150W)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	220kg
Main power supply	AC100V±10%/AC200V±10%, 1.0kVA, 50/60Hz

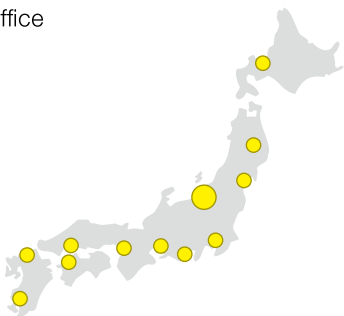
SXS2-3474HC1D



Model	SXS2-3474HC1D
Dimension of inspection product *1	Maximum passage width 340mm, Maximum passage height 120mm
Weight capacity	1kg *2
Conveyor speed	20-60m/min *2
Belt width	300mm
Detectable material	Iron or stainless-steel ball (Φ0.3mm), stone, glass, hard bone, high density plastic, etc. *3
Display unit	15.6 inches-wide TFT color LCD (with touch panel)
Structure	Main unit/Base: All stainless-steel (SUS304)
Pass line	750±50mm
Max. X-ray output	Tube voltage (Max.): 50kV, Tube current (Max.): 8.0mA (Max: 300W)
Operating environment	Temperature: 0 to 35°C, Humidity: 30 to 85%, No dew condensation allowed. (It is necessary to clean the filter periodically.) *5
Weight	320kg
Main power supply	AC100V±10%/AC200V±10%, 1.5kVA, 50/60Hz

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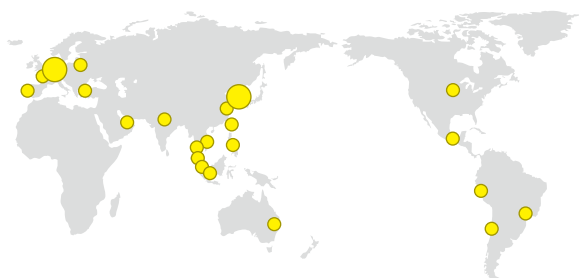
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* The information in this catalog is current as of July 31, 2024.

* The appearance and specifications described in this catalog are subject to change without notice for product improvement.

* Some images in this catalog are for illustrative purposes only.