



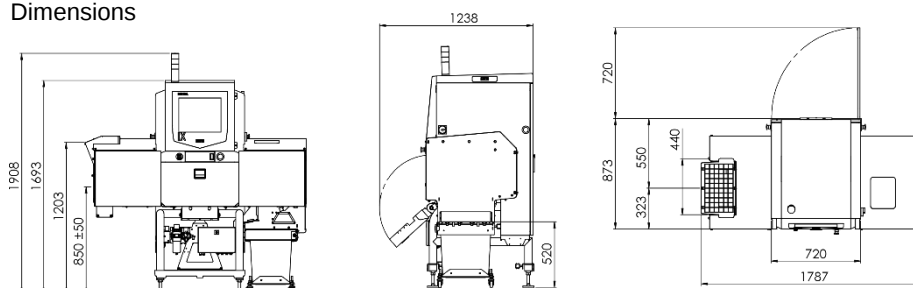
IX-GN-4043 Bulk

ISHIDA bulk handling X-ray system designed for loose and free flowing dry products.

Advanced X-ray detection that strikes the balance between optimal sensitivity and economic operation. Suitable for a wide range of loose, free flowing dry materials such as dried fruits, nuts, seeds, pulses, and cereals among others.

- ▲ GA (Genetic Algorithm) image processing optimises detection for individual customer requirements
- ▲ Integrated air conditioning system
- ▲ Rejects available: 4 lane upflap or 20 lane air blast
- ▲ Curved conveyor
- ▲ Viewing window

Dimensions



Specifications		IX-GN-4043
Tunnel aperture	Width	400mm
	Height	up to 70mm
Construction	Material	SUS304 (Polished surface)
	IP Rate	Conveyor chamber: IP66 / Enclosure: IP65 (*1)
Machine dimensions		Line height dependent: 800mm(L) x 905mm(W) x 1745mm(H) (*2) (Floor to Signal Tower: 1960mm)
Machine weight		525kg
Conveyor	Dimensions	1385mm(L) x 430mm(W)
	Belt height	850mm / 950mm / 1050mm +/- 50mm (*3)
	Speed	50-60m/min
	Loaded weight	Up to 5kg
Product height		Product dependent 5-60mm
Power supply		Single phase: AC200-240V 50/60Hz 1000W (1150W) (*4)
X-ray	Tube voltage	25/30/35/40/45/50/55/60/65/70/75kV
	Tube current	1-5mA
	Output	Max: 150W
Line sensor		0.4mm
X-ray protection		SUS plates (*5)
X-ray emissions		Machine meets local regulations
Working environment	Temperature	0-35°C (*6)
	Humidity	30-85%RH

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(*1) Except the cooling unit.

(*2) This dimension shall be applied in case of 850mm belt height.

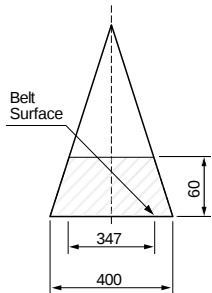
(*3) Otherline heights in excess of 1,100mm can be optional with a platform stand but any line height lower than the 800mm would not be possible with the reject bin and its surrounding ancillaries.

(*4) There are cases that input voltage is fixed depending on integrated rejector unit or optional unit. 1000 (1150) W is applied where there is no specific ancillary.

(*5) The material of protection curtain is SUS, and curtain is detachable.

(*6) If the room is hotter than 35°C, the air conditioner shall be upgraded as a chargeable option. In this case, the maximum temperature is 40°C.

Ishida Global standard X-ray series



Inspection area

The figures show the permissible inspection range. Portions of the product which are not within the shaded area are not irradiated.

(*1) The inspection width against the height is an approximate value.

Product Size (mm)	
Height (*1)	Width
0	400
10	391
20	383
30	375
40	367
50	359
60	351

Benefits of an X-ray inspection system

X-ray inspection has several key benefits, especially for food producers, that are fundamentally linked to safety and quality:

Brand protection

▲ Customers will trust the product

Food safety

▲ The food is free of foreign bodies and safe to eat

Cost savings due to no product recalls and customer complaints

▲ Fewer recalls and customer complaints lead to less fines

Ishida X-ray integrated solutions

Our systems are ergonomically designed, from the reject bin position to the different types of reject units, to be easily integrated into your production line without disruption.



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