



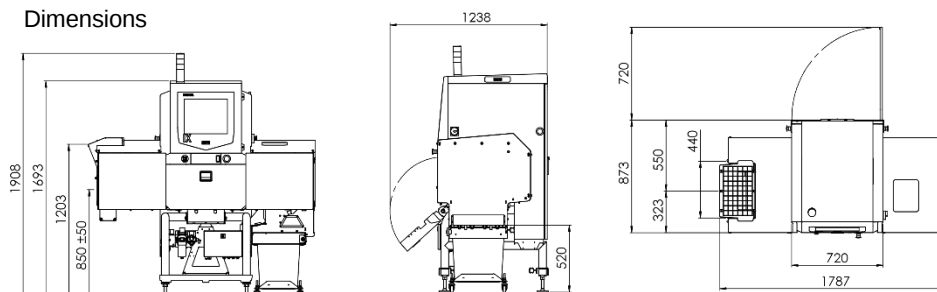
IX-GN-4044 Bulk

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-4044
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 in the case where higher weight or speed options are selected other specifications may vary
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	1-8mA
	Output	Max: 300W
Line sensor		0.3mm
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) Other line 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.

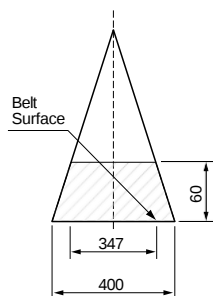
(*4) There are cases that input voltage is fixed depending on integrated rejector unit or optional unit. 1000 (1150)W is applied where there is no specific ancillary.

(*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.

Technical information is based upon information available at the time of Print - 06/2024. Confirmation is provided via Sales enquiry. Photographs and application shots may not be exact representations.

Ishida Global standard X-ray series



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

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.

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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