

REMOVING CROSS CONTAMINATION IN DRY PETFOOD KIBBLES

Thanks to the BSI+ module, we cannot only detect and remove **foreign materials** like plastic, stones, wood, ... but also potential **cross contamination** in dry petfood kibbles. Differences in composition, eg kibbles that appear visually identical, but with a different recipe, can be distinguished from one another.

BSI+ allows the examination of food products using light beyond the visible spectrum, into the near-infrared region. TOMRA's BSI+ technology inspects the characteristics of the product, identifying certain **chemical and molecular differences, and changes on both the surface and within the products** being inspected.

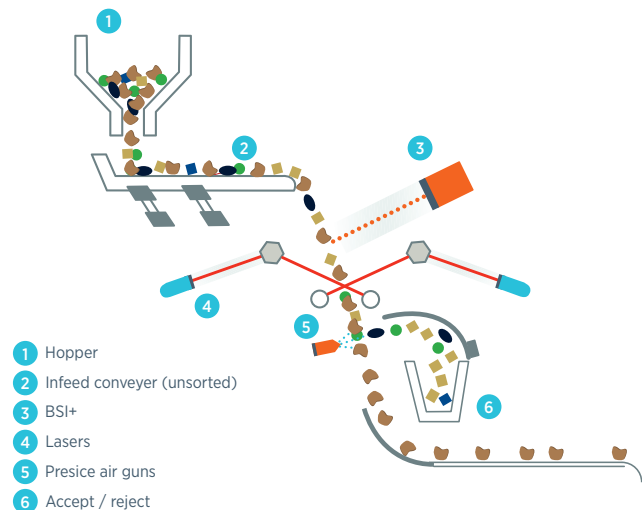
BENEFITS

- Enhance your product quality
- Reduce customer complaints & product recalls
- Protect your brand & increase brand loyalty
- Reduce rework and increase uptime
- Expand your business & gain market share



TECHNOLOGY

- In-line automated inspection
- High throughput
- Maximum yield
- Superior foreign material removal
- Removing cross contamination
- User friendly
- Low maintenance



WORKING PRINCIPLE

A feed hopper uniformly spreads the dry petfood kibbles over the free-fall chute. The product falls down towards the inspection zone, where it is scanned by a front BSI+ and double-sided lasers. A few milliseconds later the defects are hit with a precise powerful burst of air sending them into the rejection zone while the good product continues its natural free-fall.

DIMENSIONS AND SPECIFICATIONS

Model	Dimensions				Utilities	
	Width	Length	Height	Infeed Elevation	Power	Air
NIMBUS 640	2200 mm (87")	3500 mm (138")	2450 mm (96")	2200 mm (86,4")	1ph: 4kVA 3ph: 2,5kVA	87-102 psi 6-7 bar
NIMBUS 1200	2660 mm (105")	4200 mm (165")	2450 mm (96")	2200 mm (86,4")	1ph: 4kVA 3ph: 2,5kVA	87-102 psi 6-7 bar

*Information shown for the reference and may change depending on the actual application.



You are a Resource Revolutionary.

TOMRA Food is the leading provider of sensor based sorting, peeling and processing technology for the fresh and processed food industries.

Turning yield into usage, profits into progress, TOMRA transforms the way the world obtains, uses, and reuses its resources.

If you are interested in a free demonstration with your own product or if you need more information, please contact us directly.



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