

# REMOVING FOREIGN MATTER IN DRY MEAT & BONE MEAL FOR DRY PETFOOD

TOMRA's sorting technology ensures a safe and high quality product for your pets. With a high incoming defect load in the raw material of dry meat and bone meal, investment in technology that successfully removes undesired foreign material from your product offers protection for your brand in a highly competitive petfood supplier market.

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. In addition to foreign material, this state-of-art optical sensor can also distinguish bones from the good product.

## 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

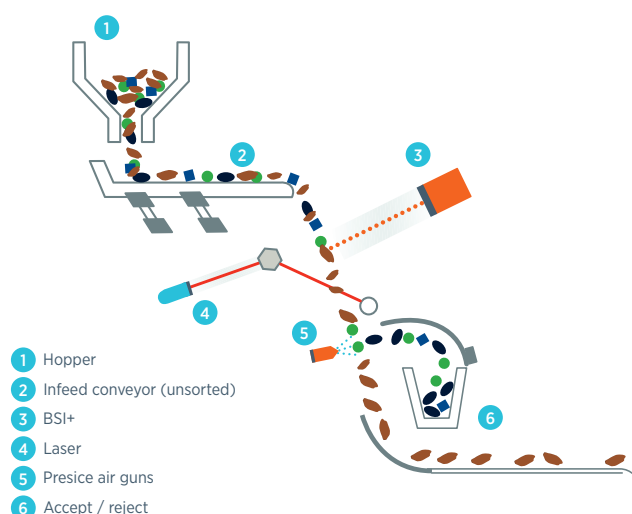


## WORKING PRINCIPLE

A feed hopper uniformly spreads the dry meat and bone meal over the free-fall chute. The product falls down towards the inspection zone, where it is scanned by a front BSI+ and a rear laser. 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.

## TECHNOLOGY

- In-line automated inspection
- High throughput
- Maximum yield
- Superior foreign material removal
- Protein shifting
- User friendly
- Low maintenance



## DIMENSIONS AND SPECIFICATIONS

Model	Dimensions				Utilities	
	Width	Length	Height	Infeed Elevation	Power	Air
<b>NIMBUS 640</b>	2200 mm (87")	3500 mm (138")	2450 mm (96")	2200 mm (86,4")	1ph: 4kVA 3ph: 2,5kVA	87-102 psi 6-7 bar
<b>NIMBUS 1200</b>	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.**



**TOMRA Sorting Food EMEA**

Research Park Haasrode 1622  
Romeinse straat, 20  
3001 Leuven  
BELGIUM

Tel: +32 16 396 396  
Fax: +32 16 396 390  
W: [tomra.com/food](http://tomra.com/food)  
E: [food@tomra.com](mailto:food@tomra.com)

**TOMRA Sorting Food AMERICAS**

875 Embarcadero Drive  
West Sacramento  
California 95605  
U.S.A.

Tel: +1 916 388 3900  
Fax: +1 916 388 3901  
W: [tomra.com/food](http://tomra.com/food)  
E: [food.us@tomra.com](mailto:food.us@tomra.com)

**TOMRA Sorting Food ASIA**

1A/E, Rihua Building, No.8, Xinfeng 2nd Road  
Huli District, Xiamen, Fujian, P.R.C  
361006 Xiamen  
CHINA

Tel: +86 592 572 0780  
Fax: +86 592 572 0779  
W: [tomra.com/food](http://tomra.com/food)  
E: [food.asia@tomra.com](mailto:food.asia@tomra.com)