

## Dairy Butter & Margarine



### Customer Challenges

- Easy cleaning and maintenance
- Equipment with no bug traps where bacteria could breed
- Highest hygiene standards to protect their brand
- Natural variation of temperature, moisture and salt content can cause a high level of false reject or reduced sensitivity when using traditional inspection techniques
- Compliance with retailer codes and legislation
- Reduce the cost of rejection
- Check for many forms of contamination also when packed in foil packaging

### Solution Features & Advantages

- ▶ Hygienic design offers easy access to all machine areas and tool-less full conveyor belt removal in seconds - no bug traps. Sealing approved to IP65; IP69K is also available for harsher wash down environments.
- ▶ 3-A Sanitary Certification reduces potential bacteria breeding grounds and is fundamental to maintaining highest hygiene standards.
- ▶ X-ray inspection systems are not effected by any variation of temperature, moisture and salt content.
- ▶ Reliable detection of dense contaminants such as metal, glass, stone and high density plastic even when in foil packaging.

### Customer Benefits

- ▶ Efficient and easy cleaning and maintenance reducing downtime.
- ▶ Ensuring continual brand protection and customer satisfaction.
- ▶ Therefore sensitivity is optimised and production throughputs are maximised.
- ▶ Manufacturers can be confident of their product quality and safety, avoid expensive product recalls and have low false reject rates.

### Suitable x-ray inspection systems for butter / margarine:



AdvanCheK  
AdvanCheK Plus



InspireX R20



InspireX R40



InspireX R70

**METTLER TOLEDO**



## Dairy Applications - Safeline X-ray Inspection Systems

	AdvanCheK	AdvanCheK Plus	InspireX R20	InspireX R20H	InspireX R40	InspireX R70	CanCheK
<b>Butter, Margarine</b>	small retail packs	small retail packs	small retail packs		large blocks	pumped products	
<b>Ice Cream</b>	lollies, cones, small tubs, choc ices	lollies, cones, small tubs, choc ices	lollies, cones, small tubs, choc ices		multi packs, large tubs 2L	pumped products	
<b>Cheese</b>	small retail packs, grated cheese, cream cheese	small retail packs, grated cheese, cream cheese	small retail packs, grated cheese, cream cheese		large blocks (e.g. 20kg), vaccum packed grated cheese (e.g. 10kg), discs-fixed weight	pumped products	
<b>Milk</b>				plastic bottles, tetra paks		pumped products	
<b>Milk Powder</b>	sachets	sachets	sachets	composite can	big foil bags, multiple packs in a carton		composite cans
<b>Yoghurt</b>	small retail packs	small retail packs	small retail packs	big pots up to 500ml, probiotic drinks	trays of yoghurt (single or double layers)	pumped products	

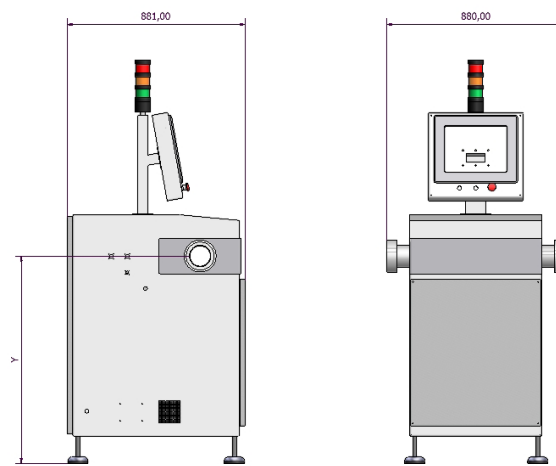
### InspireX R70

#### Pipeline Inspection System

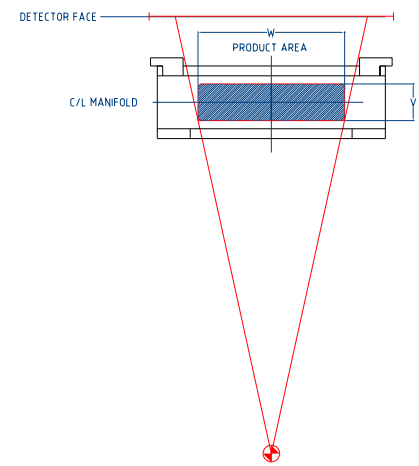
- Butter and margarine can be inspected with an InspireX R70 Pipeline system before the final packaging and before value is added to the product - reducing product wastage and protecting equipment further downstream - saving costs.
- Auto test facility - a stainless steel sphere moves through the beam and verifies level of detection which means there is no need to insert test pieces in the pipe - maximising uptime and reducing waste.
- Auto calibration - the tank and detector move backwards inside the machine so there is no need to remove manifold or disconnect pipe work to calibrate the system - minimising downtime.
- A 3 way diverter ball valve reject system can be fitted and timed from customer's pump pulses or flow meter.



InspireX R70 Pipeline



InspireX R70 Pipeline Drawing  
Available in 2", 2.5", 3" or 4" diameter pipe sizes



InspireX R70 Pipeline Beam Diagram

#### Mettler-Toledo Safeline X-ray Ltd.

Greenfield,  
Royston Business Park  
Royston, Hertfordshire,  
SG85HN UK

Tel: +44(0)1763 257900

Fax: +44(0)1763 257909

Email: xraysales@mt.com

[www.mt.com/safeline-xray](http://www.mt.com/safeline-xray)

For more information

Subject to technical changes

© 2008 Mettler-Toledo Safeline Ltd.

Printed in UK