

Skirting Conveyor Solutions

Food Processing is rife with pathogenic dangers which increase where the product is more prone to accelerated bacterial activity, such as humid material. Hygienic Design tries to eliminate 'dirt traps' in processing equipment; areas where food may remain on the machine and reenter the product flow later in a production run, after the pathogenic content has increased.

Product spillage can create dirt traps which may be located alongside the product flow or, due to ingress of product under the belt, inside the belt path. Ingress inside the belt path can also affect the mechanical performance of the belt. Therefore dirt traps may damage equipment, cause higher cleaning costs and contaminate the ongoing product flow.

To try and limit spillage, some belts are equipped with fabricated side walling, but this is often difficult to clean, and its deployment complicates both belt and conveyor design. It takes up valuable processing space across the belt and may require exceptionally large pulleys which in turn enlarge the conveyor frame.

The reverse side of 'ingress' where product flow and spillage are controlled, is termed 'containment'. Containment is best achieved when a controlled constant volume of product is fed centrally onto a belt having sufficient width.

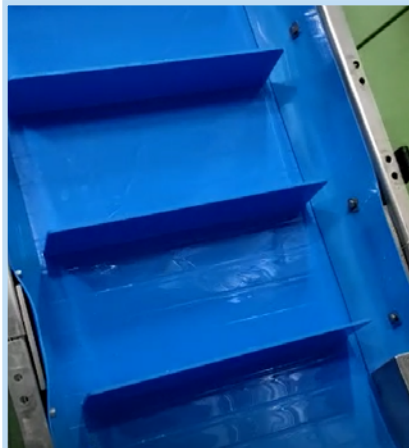
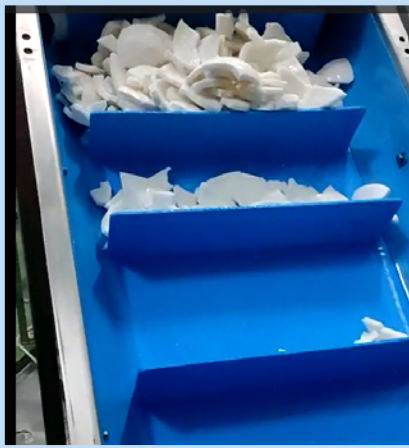


Spillage



Poor Containment

Employing Volta Skirting Wall is an elegant and hygienic method of assisting containment and reducing the risk of dirt traps. Smooth, homogeneous strips seal belt edges without damaging the belt in contrast to using off-cuts of fabric-based belting which groove belts and harbour bacteria. Carefully structured Skirting Wall can prevent ingress of liquids, particles and is washable. It can be mounted onto easily removable brackets for washing between production runs.



75% saving in cleaning costs by eliminating ingress of coconut water and particles



Prevention of damage to bearings and frame – 3% acetic acid pickle on belt - 7 years trouble-free working life



Compare with particles on edges and dirty rollers



Preventing ingress of sea water and sand during oyster washing



To learn more about innovative hygienic belting ideas, please contact your local distributor or email us at sales@voltabelting.com



CORPORATE HEADQUARTERS
Sales and Manufacturing
sales@voltabelting.com

USA
Tel. +1 830 229 2384
voltaus@voltabelting.com

EUROPE
Tel. +31 546 580166
voltaeu@voltabelting.com

ASIA
Tel. +84 251 352 1967
voltaasia@voltabelting.com



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