



Design & Engineering Solutions

Food Grade Metal Detectable Scrapers & Skirting

Scrapers and skirting are vital elements in conveyor belt systems; the former helping to detach material in process from the belts and the latter aiding containment. These elements are often mismatched to the conveyor belt itself and result in surface damage to the belt which, in the context of food processing, can result not just in reduced belt lifetime but also in the creation of hazardous conditions where pathogens can breed.

The use of hard elements on ply belts as scrapers and the use of belting scraps as skirting are common weak points in conveyor design, as they quickly abrade ply and modular belts.



Damaged belt due to unsuitable Scraper

Hard plastic or metal scrapers can trap food and groove belts; ply scraps are abrasive, made from unhygienic mixed materials and even harden over time if exposed to moisture.

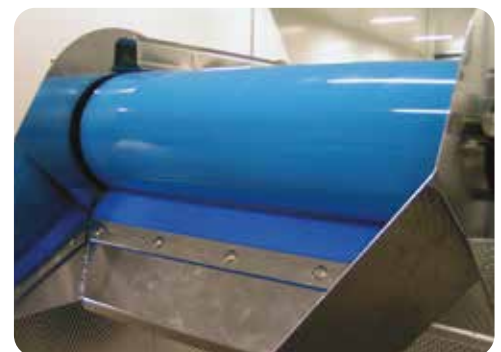
A hygienic alternative is offered by Volta material. The use of homogenous material of the same hardness as the belt combined with careful installation can eliminate most of the grooving and other damage by minimizing friction and reducing abrasion to a minimum. These elements also exhibit a high degree of cleanability and do not curl or fray with use. Most Volta food grade flat belt materials are suited to this; Volta's Metal Detectable blue can offer some extra protection when a metal detection unit is positioned downstream and there is a high risk or history of skirting detaching from the conveyor.



Skirting



Skirting



Scraper