



Impact Damage

Problem: Scratching or gouging of the top cover of the conveyor belt

Solution: Belt support

One of the most common forms of damage to conveyor belts is also one of the simplest.

One of the most common forms of damage to conveyor belts is also one of the simplest impact damage stems from materials striking the top belt with enough force to scratch or puncture the material, according to chapter four of Foundations from Martin Engineering.

Impact damage is of greatest concern with heavy, sharp objects, notably raw materials like coal and ore, particularly directly out of the mine or after passing through a crusher. However, comparatively lighter and duller materials can still cause significant damage with enough energy behind them.

Impact damage can be readily perceived as a form of so-called "normal wear," with the expectation that regular use is bound to scar a belt over time. However, given the great expense of replacing a conveyor's belt, it is worth analyzing potential sources of preventable damage, the book notes.

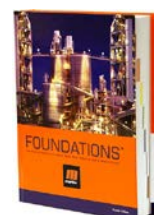
In terms of impact damage, long drops can represent a significant source of preventable damage, since steps can often be taken to cushion falling materials, or direct their energy away from the belt itself

While it may be difficult to remove all instances of sharp impact, businesses can at least reduce the chances that materials could tear completely through the belt.



Impact damage is caused by large, sharp material striking the belt, resulting in a random nicking, scratching, or gouging of the top cover.

More on belt damage can be found in Chapter 4 of FOUNDATIONS™ Fourth Edition by Martin Engineering.





Martin Engineering USA
P. 800.544.2947 | F. 800.814.1553 | martin-eng.com
1 Martin Place | Neponset, IL 61345