

Steven's Creek Success Story



Steven's Creek Quarry faced continual problems with the durability of their heavy-duty conveyor belting.

Owners Rich and Jason Voss, as well as Quarry Foreman Dan Trammell turned to Fenner Dunlop Engineered Conveyor Solutions and found the answer in **NovaCore, the most technologically advanced conveyor belt carcass on the market.**

Steven's Creek Quarry serves the aggregates and construction industry in the San Francisco Bay area, providing production, transportation, and placement services. The Cupertino, CA location had consistent problems with both imports and domestic multi-ply belts that had poor adhesion, low mechanical fastener retention, and high susceptibility to rips that would destroy an entire belt. Despite procuring belt from five different manufacturers, Steven's Creek was unable to find a multi-ply

belt that could endure the rips, tears, and impacts that come from rigorous use in heavy-duty aggregates applications.

To find a better solution, they turned to California Industrial Rubber (CIR), Fenner Dunlop's distributor for the California and Nevada area.



Joshua Gregory, a representative of California Industrial Rubber, and Mark Morrison, the Fenner Dunlop Territory Sales Manager, visited the Cupertino site, evaluated the conveyor systems, and proposed a solution: Fenner Dunlop's NovaCore F4 belt carcass.

NovaCore is a single-unit, crimp-warp belt carcass that provides superior rip, tear, and impact resistance compared to multi-ply belt. It achieves better results than multi-ply belt and similar cover wear with at least 20% less weight on the conveyor system. This reduces the amount of power consumed and minimizes stress on the conveyor components.

Since their first purchase of NovaCore, Steven's Creek has adopted the innovative product for many of their systems. It has proven to outperform all their previously used competitive multi-ply belting. Most importantly, it has dealt with unforeseen damage better than any competitive multi-ply belt could. In one instance, a piece of steel ripped the belt. Due to the unique crimp-warp design, the NovaCore fabric forced the steel out to the side of the belt, minimizing the damage. Typically, this type of rip from steel debris would have cut a plied belt into two pieces of fabric down the middle, requiring complete shutdown of operations and a full replacement belt.

However, with Fenner Dunlop's NovaCore, a service crew was able to cut the damage out, use belt from the take-up, and resplice to get the customer up and running in a mere two hours.

Dan Trammell, the Maintenance Supervisor at the Cupertino facility said:

"The Fenner Dunlop and California Industrial Rubber representatives knew the NovaCore product well and were determined to have me try it out. At first, we were skeptical of the quality because of how small the gauge was. But this product works and works well! We're using it all over the plant now."

Impact damage to multi-ply 440. A damaged carcass will lead to the loss of the belt cover. This can lead to premature belt failure.



Competitors' Multi Ply 440	Fenner Dunlop NovaCore F4
Tensile Strength (lbs/in)	Equal
Tear (lbs)	3.3x Better
Rip (lbs)	1.8x Better
Cross Tear (lbs)	Equal

No such damage on **NovaCore** with identical impact. **NovaCore's** crimp-warp design allows for high tear and rip resistance.

Contact your local Fenner Dunlop Distributor or call Fenner Dunlop Industrial Sales at **800-661-2358** to place your orders today!

To find your local distributor, visit www.fennerdunlopamericas.com