



**BolderBlack<sup>®</sup>**

# CONVEYOR INDUSTRY

Innovative technology has created the option for a sustainable carbon black ingredient to help the conveyor belt industry reduce greenhouse impact while saving money.

## CARBON BLACK INDUSTRY OUTLOOK

**Growth in the conveyor belt market is at a decade high and is expected to grow at a rate of 4.0% to \$5.4 Billion by 2024.\* This growth is driving demand for carbon black globally, which is expected to rise at a rate of 4.8% by 2025\*\*.**

With surging global demand across power generation, logistics, mining, metal processing, and manufacturing industries, conveyor belt usage is also increasing.

In North America, the rubber conveyor belt market is estimated to reach over \$1.5 billion by 2026. As the demand for conveyor belts grows, so does the need for carbon black, a crucial ingredient in black rubber conveyor belts.

Bolder Industries has created a proven process that recovers carbon black from used tires, giving this valuable material a second life. BolderBlack is a cost-effective and sustainable partial replacement for virgin carbon black. BolderBlack enables manufacturers to save money, reduce greenhouse gas emissions, water usage and electricity with one simple supply chain shift.

As an alternative to overloading landfills with tires and wasting valuable resources, Bolder Industries recovers useful materials to provide a lower cost alternative with an environmental footprint that is 90% lower than traditional carbon black. With BolderBlack, conveyor belts can be made from a cost-effective and sustainable reinforcing agent.



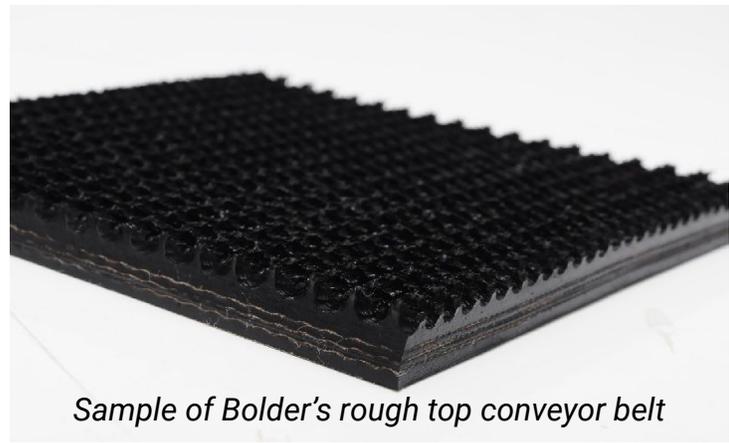
*Bolder Industries' Maryville facility uses over 600 feet of conveyor belts.*

\*Yahoo Finance, 2020

\*\*MarketWatch, July, 2020

## CASE STUDY

We set out to demonstrate that a conveyor belt could be more sustainable with BolderBlack without affecting its performance.



Sample of Bolder's rough top conveyor belt

Bolder Industries factory uses a number of conveyors throughout the process. We own the process of turning scrap tires into BolderBlack. Between every process from tire sorting through delivery to our pyrolysis unit, we move material with conveyors....all of our belts are 2-ply with either a rough top or chevron surface. Our conveyors typically last about six months experiencing issues such as abrasion, cuts and punctures.

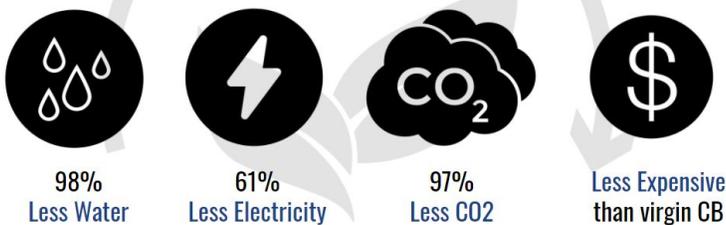
We collaborated with Elite Elastomers and GRT Rubber Technologies to make enough rough-top belts to outfit our plant with 100% BolderBlack in place of the virgin carbon black in the cover compound.

- The compound processed successfully at Elite Elastomer with no issues
- The compound behaved in GRT Rubber Technologies facility exactly like the regular virgin carbon black compound
- *Over the last six months of continuous use, the resulting rough top belts have carried materials through our process with zero performance issues.*

**Join us in our mission to reduce environmental impact while improving your bottom line...**

- Ask your belt or equipment manufacturer to use BolderBlack in your belt compounds
- Ask us about Bolder Industries in-house compound development lab. We can do the compound development work for you at no cost to you. For examples, visit the Bolder Industries Technical Library at [bolderindustries.com](http://bolderindustries.com)

### Small Change...BIG Impact



Freshly installed conveyor belt on Bolder Industries SSI primary shredder system

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