



PROBLEM SOLVED™ PAPER

SOLUTION: Martin® BD Cleaner

INDUSTRY: Aggregate

LOCATION: Limestone Quarry
Georgia



Conveyors at this Georgia quarry suffered from high amounts of carryback.

PROBLEM

The quarry's belt conveyor system suffered from excessive carryback, creating clouds of dust and burying rolling components. Even a multiple cleaning system (with a primary cleaner and three secondary cleaners) had not successfully controlled the wet material that adhered to the belts.

SOLUTION

To clean the sticky aggregate fines from the belt, the quarry installed a **Martin® BD Cleaner**. Installed at a five o'clock position, below the conventional primary cleaner position but still within the head chute, the **Martin® BD Cleaner** uses tungsten carbide blades to remove carryback and return it to the main material stream. Individually cushioned with Martin® Shock Absorber technology, the blades are held at a positive rake or peeling angle for effective cleaning at low pressure.

RESULTS

The **Martin® BD Cleaner** was installed nine months ago, and is doing a fine job, according to quarry officials. One said, "I used to have to pay a lot of attention to our cleaning system to make sure it was working. Now, we can get away from that. The **Martin® BD Cleaner** works well, without needing a lot of attention."



Installed at the five o'clock position near the bottom of the head pulley, Martin® BD Cleaner uses tungsten carbide edges to remove carryback.