



# PROBLEM SOLVED™ PAPER

**SOLUTION:** Martin® QC1™ Cleaners HD and Martin® secondary belt cleaners

**INDUSTRY:** Cement

**LOCATION:** Conch Cement, Suzhou China

## PROBLEM

Conch Cement (Suzhou) mining factory uses their #1003 and #1009 belt conveyors to transfer limestone and clay. The belt width is 1.8m and 1.2m and runs at a belt speed of 2.5 m/s. They were using a competitor's belt cleaners previously but they were not satisfied with the results. The factory workers had to clean up the excessive spillage daily on the return belt. The labor intensity got very high when the spillage mixed with water on rainy days. The factory was replacing the blades frequently at a great expense as well as, paying workers to clean up the spillage during unplanned downtime, creating additional exiting safety hazards.



*Conch Cement had excessive spillage on the return belt on the conveyors transferring limestone and clay.*

## SOLUTION

After conducting an on-site inspection, Martin Engineering installed Martin® QC1™ Cleaners HD and Martin® secondary belt cleaners. Martin® QC1™ Cleaners HD can clean up to 90% of the carryback on the belt return. Martin's patented CARP blade design maintains consistent cleaning through all stages of blade wear, which maximizing the belt life. Martin also organizes on-site training for the plant workers. While the Martin technicians provide regular testing and adjustments after installation and regular maintenance.



*The Martin® QC1™ Cleaner HD is suited for heavy-duty applications.*

## RESULTS

The customer was very happy with the Martin® belt cleaners. The workers only need to clean up a small amount of buildup once every seven days, which greatly improved the labor efficiency. Less spillage leads to less health hazards and environmental concerns. Martin belt cleaners protect the belt and reduce unscheduled downtime and emergency outages. Belt cleaners from Martin make conveyor systems cleaner, safer and more productive.



*The Martin® belt cleaners have greatly improved the efficiency of the conveyors.*