



PROBLEM SOLVED™ D5D9F

SOLUTION: Cougar® Whirlwind High Frequency Turbine Vibrator

INDUSTRY: Cement and Transportation

LOCATION: California Portland Cement Company Colton, California



The heavy pneumatic vibrators used to assist the unloading of railroad hopper cars at the cement plant were noisy and risked back injuries.



For railcar unloading applications, the Cougar® Whirlwind High Frequency Turbine Vibrator can be supplied with a wedge bracket.

PROBLEM

Air powered vibrators used to boost material flow from the unloading railcars produced high noise levels. In addition, the heavy weight of these vibrators prompted concerns about injury to the operators who installed units in brackets on the railcar outlets multiple times each day.

SOLUTION

The Cougar® Whirlwind High Frequency Turbine Vibrator provides up to 10,000 pounds (45 kN) of vibratory force to move bulk materials through tough applications like railcar unloading, feeding and material consolidation. With output of over 10,000 force pounds (45 kN), the Cougar® Whirlwind High Frequency Turbine Vibrator doubles the output of the most powerful competitive models. It produces noise levels from 6 to 10 dBA lower than competitive pneumatic vibrators.

RESULTS

Plant personnel evaluated the Cougar® Whirlwind High Frequency Turbine Vibrator, comparing unit weight and noise output, and observing its unloading performance in trial applications. Following the trial, the plant purchased three units. Operating personnel are pleased with their new equipment.