



PROBLEM SOLVED™ PAPER

SOLUTION: Martin® Hurrican Air Cannons

INDUSTRY: Cement

LOCATION: Cement Plant in Texas, US

PROBLEM

A large cement plant in Texas and a major cement producer in California, is also a major supplier of construction aggregate, ready-mix concrete and concrete products. At their Texas plant they produce 900,000 tons of cement per year.

After only seven months, the plant quickly realized they had a problem with the air cannons on the feed shelf leading to the clinker. There was no access to the air cannons and they were in need of constant repair. To reach them, employees had to place scaffolding around the clinker.



Before - The plant could not easily reach the air cannons to service them.



After - Martin installed blow pipes up through the ceiling to the floor above, making access easier.

SOLUTION

After reviewing the problem, Martin Engineering recommended installing blow pipes to extend to the next floor for easier access. Additionally, 7-70ml Martin® Hurricane Air Cannons were installed with Martin's supervision.

The Martin® Hurricane Air Cannons were designed for simple maintenance. The complete valve assembly can be removed in one easy step, working from one side of the tank. It can be replaced within minutes to keep your process running. There is no need to ever remove the tank from the vessel for service, making them ideal for this application.

RESULTS

The maintenance manager at the plant stated "cannons are working great!" Because the air cannons are easier to reach for service, and because they are located in a location better suited for maintenance, the plant has not had to stop production to service them. The scaffolding has been removed and production has been restored to full capacity.



The Martin® Air Cannons were designed to fit in smaller places, providing more power from less air.