



CASE STUDY



LAFARGE CEMENT ADDS PRECISION PMR ROTARY FEEDER

The Lafarge cement plant in Buffalo, Iowa, was having problems with an old rotary feeder, which jammed many times daily and failed after only ten months of operation. Plant Maintenance Manager Jeff Tribble called in Todd Sears of Power Process Equipment Inc. of Chanhassen, Minn., his local Precision Machine & Manufacturing representative, to ask for advice. Sears, along with Precision sales engineer Darren Couts, visited the plant and inspected firsthand the old equipment that was failing, and then proposed a solution.



Darren Couts,
Sales Engineer
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They recommended that the old feeder be replaced with a Precision PMR 30x35 feeder (see photo). Sears and Couts also recommended that the feeder barrel be upgraded to 5/8" Tri-Braze Dura Plus steel. Tri-Braze is a balanced-chemistry, consistent through-hardness alloy steel that Precision has used for decades in its PMV rotary valve product line. The barrel is then coated with an industrial chrome for added wear resistance and durability.



The rotors on Precision PMR feeders have angled rotor vanes that produce a shearing action as the rotor turns towards the stationary knife, which is parallel to the rotor shaft. This shearing action is the key to handling oversized materials and to the energy-efficient operation of the feeder. The rotor vanes are tipped with stainless steel which, when paired with the hardened steel knife, provides a clean cutting action.

The new Precision PMR feeder that was installed as a replacement has been in use for 11 months and is still running without a single failure. "The Precision feeder never jams," said Jeff Tribble. "It has performed 100% better than the other one even when it was first turned on. It has definitely improved the reliability of our plant operations."

For more information,
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PRECISION

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