



SATAREM offers its customers Roll Crushers for coolers in the cement industry. The equipment is dimensioned according to the client's needs and guarantees the obtaining of clinker of constant size in the discharge, facilitating the subsequent cement grinding processes.

Main elements of SATAREM technology

The roller crusher roll arrangement consists of transport rolls coupled with heavy-duty crushing rolls – one crushing roll uniquely positioned below the other on an otherwise horizontal plane within the modular frame. The gap created enables the roller crusher to crush oversized pieces of clinker. As cement clinker moves across these rolls, clinker fines are separated from larger pieces by passing through measured gaps to the material handling system. In addition, the crushing rolls have an interlocking design, which facilitates shaft reversal in the event of a jam.



This design allows low dust generation, lower wear rate and quiet operation which gives in summary better reliability to the system. The crusher design considers elements for high temperature work (about 250 °C).

Compared with conventional clinker crushers, SATAREM Clinker Crusher runs slower, generates less dust and noise, and experiences less wear. Using a grinding rather than striking movement, our roller crusher solution significantly minimizes the presence of flying particles that cause wear. As a result, the roller crusher itself and the cooler's casing and refractory lining are subjected to minimal wear.

The roller crusher is fitted with electro-mechanical drives, and there is no requirement for either cooling air or water when installed in the standard application at the end of the cooler.



KEY BENEFITS.

- Modular design provides reliable and easy operation. Facilitated by our roll shaft arrangement and reversible crushing rolls, our roller crusher ensures continuous operation. Additionally, the roller crusher has low dust generation and quiet operation.
- Simple, low-cost maintenance. All rolls share the same basic design of wear segments and are arranged in two different ways for the most efficient operation and the least number of spare parts.
- Long wear life. Using a grinding instead striking movement to crush cement clinker reduces flying bits of particles that accelerate equipment wear.

Contact our specialists to attend any query for your grinding systems needs.

SATAREM

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