



Tube Dust Extractor (TDE) - Removing fines the easy way

So far, none of the most modern clinker coolers has completely eliminated fines from the under grate compartments. The removal of these clinker fines needs to occur. Instead of having the customer perform this task with manual labor, IKN is supplying a very simple and reliable solution with each new IKN Pendulum Cooler®. The Tube Dust Extractor (TDE) is used to remove fines that penetrate through the grate surface as well as foreign material introduced into the compartments via the cooler fans.

- + Clean undergrate compartments at any given time
- + Usual operation time: 30 minutes per day
- + Triggered by time and level sensors
- + Proven design

IKN technology in brief

Fines are discharged directly onto the clinker conveyor. This keeps the undergrate compartments clean and safe. With safety being a critical factor in today's cement plant operation, IKN Pendulum Coolers® do not require plant personnel to enter the compartments at any time thus eliminating the chance of a workplace accident. The TDE operates with the help of a small, wear resistant chain passing through a tube inside the compartments or underneath all hoppers of the cooler. The TDE is operated intermittently on a timer base or triggered by level sensors. This design is installed and proven in more than 150 installations worldwide.



IKN TDE feeding section



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