

Dynamic Linear Drive - high performance, easy operation

Based on the characteristics of the central single or twin drive of the IKN Pendulum Cooler®, IKN has further improved the lean design and operating concept of the cooler. The goal was to design a drive which is easy to install, operate and maintain, thus, eliminating the complexity of today's hydraulic units.

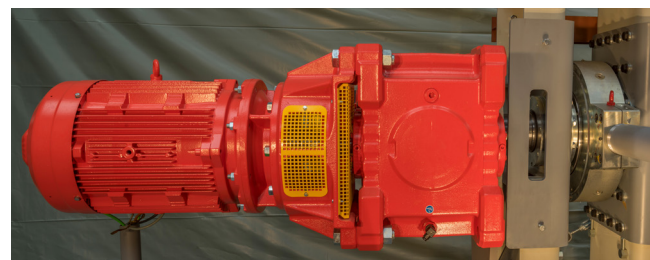
- + No hydraulic parts, pressure vessels or pipes
- + Available for a wide range of cooler sizes
- + Simple installation and commissioning
- + Direct connection of PLC or VFD to the CCR
- + Easy operation, minimal maintenance

IKN technology in brief

Replicating the unique dynamics of the IKN hydraulic drive, the Dynamic Linear Drive (DLD) is located underneath the fixed inlet and directly connects to the grate. Depending on the size of the cooler either a single drive or a synchronized twin drive is installed. Together with the LPS (Linear Pendulum Support®), both options create the well-known fully linear movement of the IKN grate. The separate control cabinet, including the latest VFD technology, ensures the specific velocity profile of the grate, which is beneficial for a continuous movement of the entire clinker bed.

The DLD is ideal for new projects as well as retrofit installations where it significantly reduces the installation

time since there is no need for an additional hydraulic room and the necessary piping from the room to the cooler. The IKN Pendulum Cooler® with a DLD offers the same excellent operating parameters as a Pendulum Cooler® with a hydraulic drive. Process and mechanical performance are the same.



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