



IKN Thrust Unit

The hydraulic thrust roller provides controlled movement of the rotary kiln in its axial direction. This movement provides uniform loading over the working surface of the supporting rollers and prevents uneven wear of radial rollers, tyres, girth gear and pinion.

- + Controlled movement of kiln
- + Reduced wear of radial rollers, girth gear and pinion
- + Sensors for safe and trouble-free operation
- + Low maintenance requirements
- + Suitable for retrofits and new installations

IKN technology in brief

The thrust roller is mounted in a way that it presses the bottom side of the tyre upward in the direction of the kiln inlet. The hydraulic power pack drives the hydraulic cylinder and is located at the base of the kiln pier for easy access. Depending upon the requirements, either a local PLC with control program or a program description implemented within the central control system is provided. The algorithm generates axial kiln movements within defined limits that control trigger values and alarm states.



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