



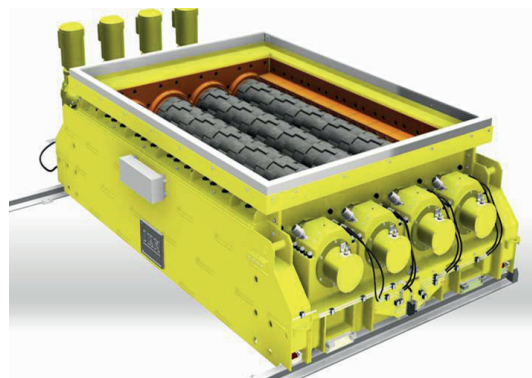
Electrical Roll Crusher - simple and easy operation

Cement plants face frequent problems with tripping of the existing hammer crushers. Larger boulders of clinker block the crusher rotor, causing kiln stops of several hours or even days. These kiln stops and the resulting loss of production can be prevented by installing IKN's state-of-the-art Roll Crusher which steadily grinds down large lumps of clinker. Operation is proven in coolers with capacities of up to 13,000 t/d.

- + Electrical drive with low power consumption
- + Rail mounted for easy maintenance
- + Optional water cooling for mid-cooler operation
- + Reduced wear due to low roller speeds
- + Hard-faced roll teeth for long service life

IKN technology in brief

The IKN Roll Crusher can be installed at the cooler discharge end or as a mid-cooler crusher for intermediate crushing. Water cooling the crusher shafts is an option for hot operation, when installed in the middle of the cooler. The rolls automatically reverse at high torque values protecting the crushing rings against damage caused by foreign matter. Each roll is driven by an electrical gear motor with a planetary gear unit. Typically 95% of the crushed clinker is reduced to a particle size of less than 30 mm. For maintenance work the Roll Crusher can be moved to a maintenance position where all components are easily accessible without entering the cooler.



IKN Roll Crusher - 3D layout



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