



IKN Kiln Alignment

Rotary kiln reliability depends on correct kiln geometry and alignment. Changes caused by foundation settlement, uneven wear or incorrect repair leads to overloading of individual components resulting in serious damage and loss of production. The IKN mechanical inspection of the rotary kiln eliminates this risk. Sophisticated measurement procedures are carried out and evaluated by our specialists using specially developed software. Results of the analysis are reported to the client together with a proposal to correct any problems found.

- + Reduction of maintenance costs
- + Extended lifetime of all kiln components
- + A cost effective investment with a short amortisation time
- + Performed during normal kiln operation
- + Extended lifetime of refractory

IKN inspection scope

- KILN AXIS

Deformation in horizontal and vertical planes
Radial rollers position – inclination and skewing
Axial balance of kiln

- KILN SHELL PROFILE ANALYSIS

Deformation of kiln shell
Undertyre clearance
Tyre wobble

- KILN DRIVE DIAGNOSTICS

Radial and axial wobble of girth gear
Evaluation of mesh and root clearance between the girth gear and the pinion

- GENERAL INSPECTION

Visual check of all kiln components
Evaluation of recorded data from control systems

- RESULTS

Analysis, presentation and submission of report
Proposal of re-adjustment corrections
Assistance during re-adjustment



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