

Great wall rotary kiln service



The [rotary kiln](#) is a refractory lined cylinder rotating about its axis. The rotary kiln slopes slightly downward from feed to discharge end. The slope and rotation of the kiln move the material through it. Rotary Kiln speed is variable to vary pellet retention time. The rotary kiln is a single chamber with an open feed end connected by housing to the grates preheat furnace.

Through this connection is the inflow of material to the rotary kiln and outflow of rotary kiln gas to the preheat furnace. The kiln's discharge end is open and connected to the cooler by a firing hood. Through the firing hood, pellets flow from the kiln to the cooler and primary cooler off-gas flows into the [rotary kiln](#). The rotary kiln has two main drive motors for speed control between 0.5 to 1.5 rpm rotary kiln speed. Two auxiliary drives, one electric and one diesel, are provided and they drive the kiln at 0.1 rpm.

□

Rotary kiln service:

□ Great wall provides on site machining and grinding services for tyres, rollers and thrust rollers of rotary kilns, rotary coolers and dryers, granulators and agglomerators in cement, gypsum, fertilizer, feed and petrochemical industries. our machine and grind the tyres and rollers at the same time and can work at up to 3,0 rpm for rotary kiln tyres and up to 4,5 rpm at rollers. We can clean out deepest pitting, concave, conical, convex or wavy wear profiles by our patented mobile machining and grinding technology.

□ □ 1. We can resurface your tyres and rollers in normal operating conditions. There is no need to stop the rotary kiln or even no need to slow down in some cases.

□ □ 2. Inspecting a rotary kiln requires more knowledge and experience than stand art survey services. We can determine and fix the problems by surveying the kiln with latest technology precise equipment. professional data analysis and our experience about kiln behaviors. Please study our sample report for more information.

□□3. We achieve the actual kiln axis generated by the roller and shell positions, gain the slope of kiln and individual components such as rollers, pinion, tyres, and girth gear. Analyses the deviations and find out the necessary action to perfectly align the kiln back. These precise surveys are analyzed with 50 years of experience combined with high engineering skills.

□□4. We scan the shell section by section to gain the deformation data of its plastic (such as collapses, cranks and eccentricity) and elastic behaviors. We aim to extend the shell and brick life by complex analysis of shell, shell/Tyre relations and kiln axis while proving the load distribution and pinion/girth gear relations.

□□5. We measure the actual kiln axis, slope of kiln and individual elements, shell deformation, ovality, roller and Tyre diameters and roller skew precisely with latest technology, analyse all the data by the help of specific software's and present in a detailed, clear and understandable report.

6. We believe that the best solution is to determine the problem before it stops you. We provide periodical site visits and kiln services including basic inspection for tyres, rollers, bearings, thrust roller, shell and seals, basic surveys and alignment supervision every 3-6-12 months depending on your request.