

On-site services for rotary kilns



FLSmidth provides expertise to supply, install, maintain and repair kilns on-site at plants around the world, irrespective of the OEM.

Complete service solutions for rotary kilns

Engineering and planning of maintenance projects

FLSmidth can provide on-site evaluations to:

- Define the job scope and welding procedure
- Specify needed resources such as cranes, tools, and manpower
- Detail the project schedule to ensure a smooth and efficient turnkey project execution.

Installation services

The scope of kiln installation services includes:

- Delivery and replacement of field sections/tire sections and rollers
- Delivery and installation of girth gear, pinion and drives
- Maintenance services on kiln inlet and outlet sections and seals
- Change, reversal and alignment of girth gear, pinion and drives
- Installation of new kiln lines.

Repair & refurbishment

Repair and refurbishment services help to reduce unplanned stoppages. Our on-site high-precision machining and grinding services mean that your plant equipment is refurbished in the shortest possible timeframe. Our services include:

- Surface grinding of tires/rollers during normal operation
- Grinding of thrust roller surface
- Adjustment of rollers after grinding
- Gouging and crack welding solution of all kiln components

- Installation and scraping of new bearing brasses.

Our mobile machining equipment can be prepared quickly and packed in containers for transporting to your site.

Hot kiln alignment and measuring

Beside the visual inspection of your equipment, we also apply advanced measuring techniques for a wide range of measurements on all rotary equipment:

- Vertical and horizontal axis
- Kiln crank analysis
- Tire wobble range
- Shell test
- Girth gear and pinion worn out/wobble
- Gear, pinion and drive alignment/adjustment
- Drive vibration analysis.

We do not only provide you with a detailed measuring report, we also give you a general evaluation of the equipment, including specific conclusions and actual actions to take.

Customised solutions

In addition to the above capabilities, FLSmidth offers a single source for a complete range of services – ranging from feasibility studies and condition monitoring to engineering, spare parts supply and installation – to match the specific needs of your plant.



Tire grinding



Theodolite measuring

FLSmidth supplies all the kiln installation tools required, including:

- Constructing support towers
- Cutting and welding equipment
- Lifting devices
- Auxiliary drives for kiln rotation

Contact information

Find your local supplier at www.flsmidth.com/onsiteservices

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