

One Source

# On-site services for ball mills



**Complete supply, installation, maintenance and repair services worldwide for all makes of ball mills. Efficient one-source solutions from FLSmidth.**



# Complete service solutions for ball mills

## 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

FLSmidth service units supply all the necessary equipment for on-site maintenance services.

The scope of ball mill installation services includes:

- Replacement or reversal of girth gear and pinion, drive included
- Replacement of mill sections or head walls
- Change of inlet and outlet cones
- Change of diaphragms and liners.

## Repair & refurbishment

By employing our on-site mobile machining tools we carry out repair and refurbishment services in the shortest possible timeframe.

We have proven results involving the machining of cement mill trunnions using our innovative tools for:

- Crack welding of any kind
- Machining of slide rings, flanges and trunnions

- Press polishing on slide rings and trunnions
- Drilling and reaming of tight fitting bolts for mill heads or trunnions
- Installation and scraping of new bearing brasses.

## Ball mill alignment and measuring

We apply advanced measuring techniques for a wide range of measurements on all rotary equipment:

- Alignment of drive system
- Vertical and horizontal axis
- Shell test
- Temperature profile
- Girth gear and pinion worn out/wobble
- Measurement and alignment of drive systems.

Our service team not only provides you with measurements and data, but also gives 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.



Press polishing of trunnion



Replacement of ball mill shell with trunnion

**FLSmidth supplies all the ball mill installation tools required, including:**

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

## Contact information

Find your local supplier at [www.flsmidth.com/onsiteservices](http://www.flsmidth.com/onsiteservices)

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