

POWER GENERATION



Repair / Rebuild

BDI has been working with Power Generation facilities for over 25 years.

Our experience offers our customers extended operating life of equipment and components found in Power Plants.

One of our specialties is Gearbox repair/rebuild. Going beyond reconditioning, we bring the gearbox back to standards and offer a 1 year warranty.

Along with BDI's core product line, we carry all the new, innovative products that are specially engineered for this industry.

SUPPLIER PARTNERS

- EPT
- Rex/ LinkBelt
- Torrington/ SPM
- Timken
- FAG
- Cinch Seal
- Ameridrives
- Kingsbury
- Cooper
- Dodge
- Loctite

... to name a few

Please visit our web site for more information on the brands we carry:

www.bdi-usa.com



COOLING TOWER UNIT BEFORE AND DURING RECONDITIONING



COOLING TOWER UNIT AFTER RECONDITIONING WITH EPOXY COATING

Core Products include:

COOLING TOWER DRIVES

- A. Reducer Rebuilds
- B. Couplings
- C. Drive Shafts

KLINKER GRINDERS

- A. Seal/Bearing Updates
- B. Replacement Drive with more efficient and reliable unit

PULVERIZER REBUILD KITS

- A. Reducer Bearing/Seal Kits
- B. Roll Wheel Kits

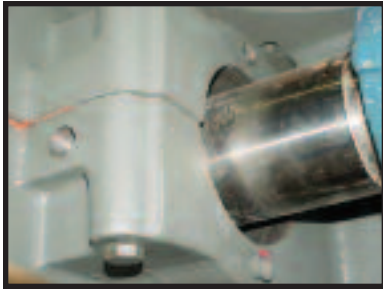
KINGSBURY BABBITTING

- A. Housed Units
- B. Turbine Bearings

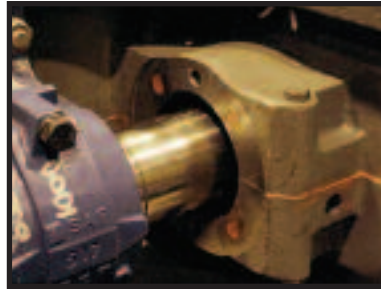
UPDATING BABBITT TO COOPER SPLIT

- A. Primary Air Fans
- B. Induction Draft Fans
- C. Forced Draft Fans

BDI Clinker Grinder Rebuild



UNIT BEFORE MACHINING



UNIT AFTER MACHINING

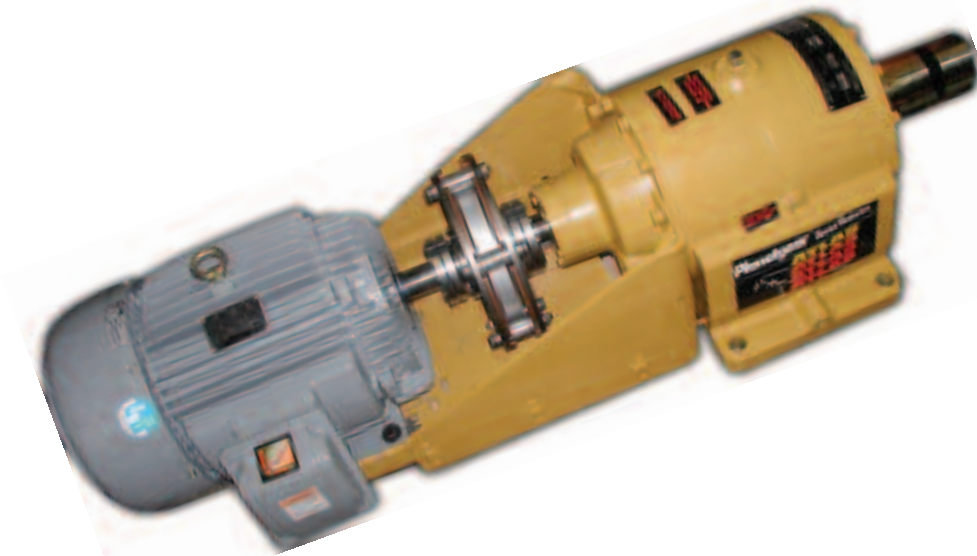


**STUFFING BOX HALF FLUSH
AFTER MACHINING**



UNIT WITH CINCHSEAL INSTALLED

Pictured below is a BDI engineered Klinker Grinder drive that eliminates existing fluid coupling drives, provides longer life, less maintenance headaches, and improves equipment uptime.

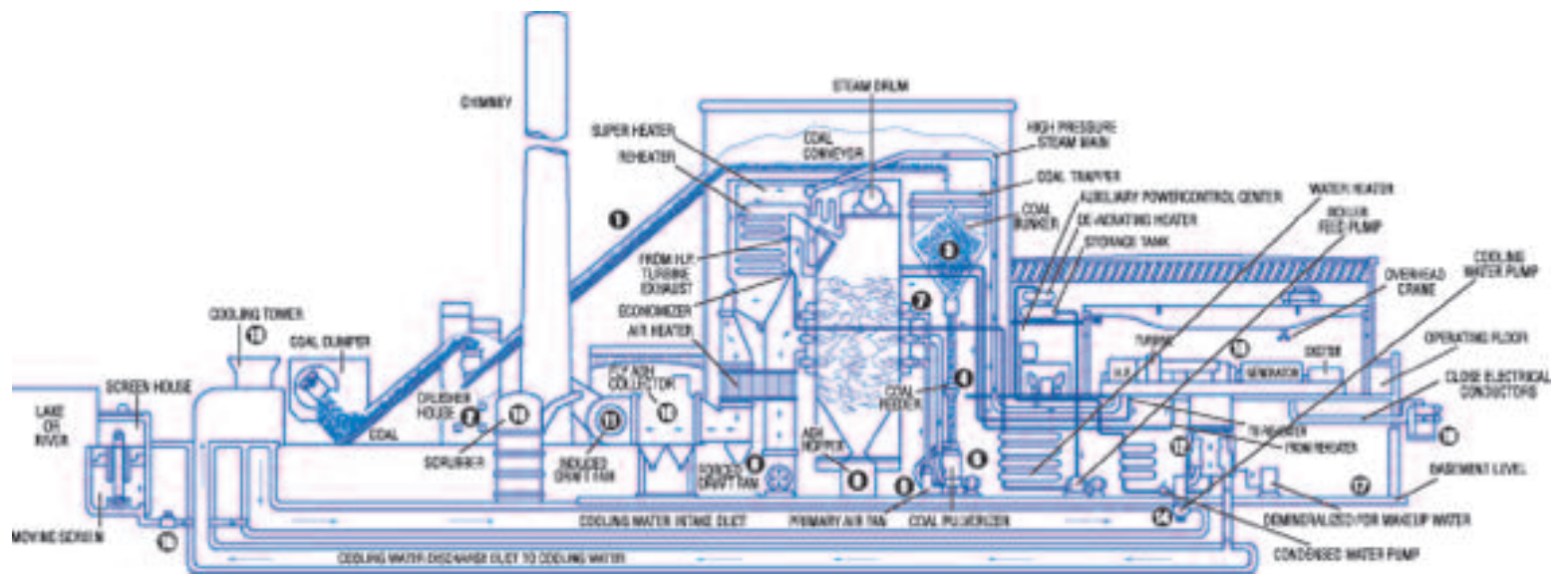


Problem solving and offering you cost savings solutions, is what we are trained to do. Bearing and/or equipment reconditions, rebuilds, or condition monitoring offers endless opportunities for cost savings. Working with such partners as: AGE (Akron Gear and Engineering), Prager Machine, Falk Renew, SKF, and the BDI Belt Shop, we can meet all your repair, service, and condition monitoring needs.

Services Overview

- OEM Interchange
- In-Plant Training
- Critical Inventory Analysis
- Engineering
- Repair
- Inventory Management
- Inventory Reduction
- Plant Surveys
- Cost Savings
- Energy Efficiency Study
- Lubrication Survey
- Steam Trap Leak Detection







There's plenty of cost savings potential with many of the products we offer for the Power Plant industry

The MagnaLink Coupling not only connects two shafts, but acts as a softstart and/or overload device, drastically reducing downtime.

The Rexnord MagnaLink Coupling works on a fundamental principle of nature involving permanent magnets. The magnetic coupling consists of two separate components that have no physical contact. Precision machined, aluminum rotors containing high-energy, permanent magnets are mounted on one shaft, and a hub conductor consisting of a steel housing with copper ring mounts on the other shaft. The coupling's ability to transmit torque is created by the relative motion between the copper conductor and the magnets. This motion creates a magnetic field in the copper that interacts with the magnets, thus transmitting the torque through the air.



Typical Power Generation Applications

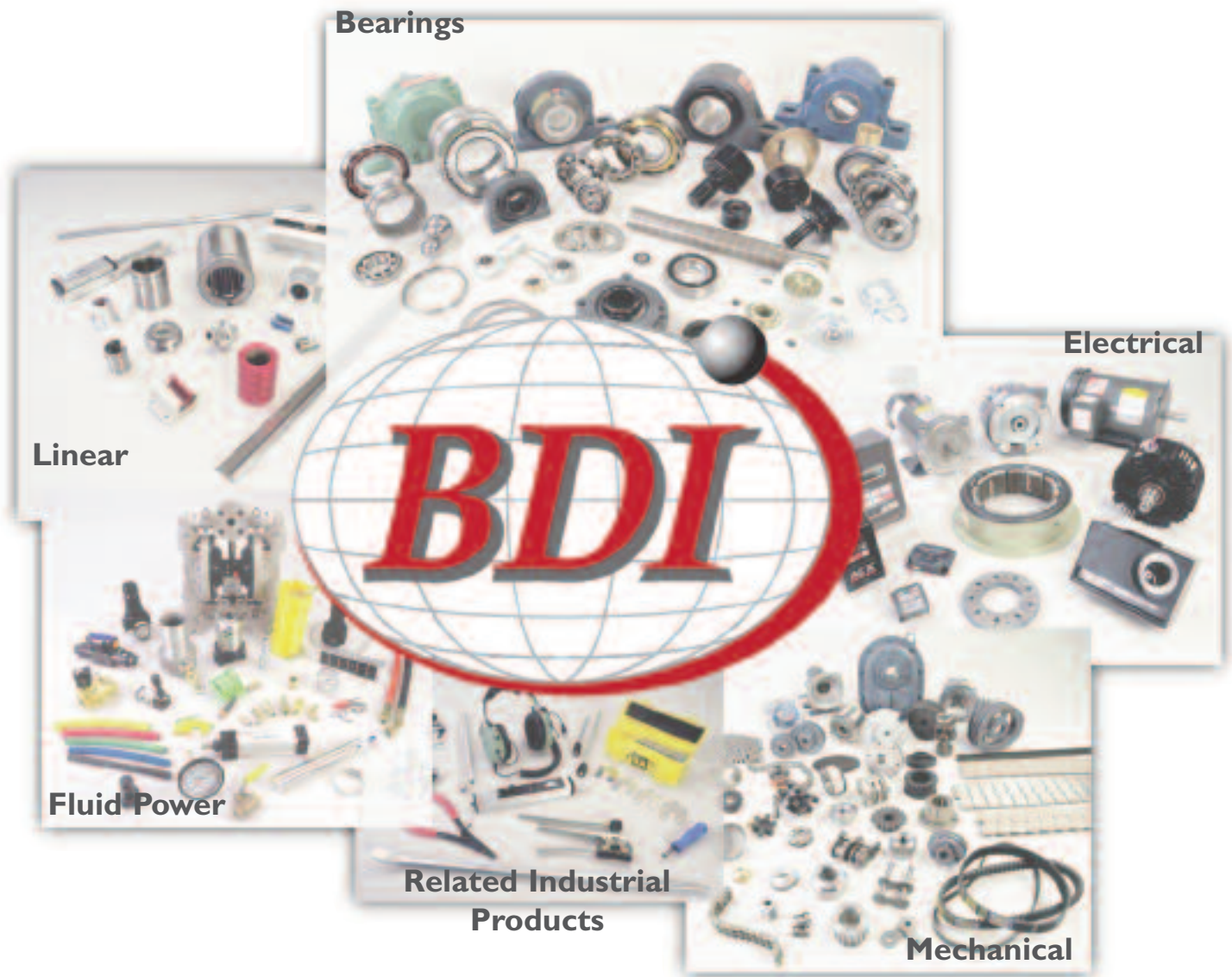
- Primary air fans
- Induced draft fans
- Forced draft fans
- Conveyors
- Motors
- Generators
- Cranes
- Stacker reclaimers
- Pumps
- Coal Mills
- Screens
- Dampers
- Penstocks
- Gas recirculators

Cooper Split Bearings



Cooper Split Bearings are the largest cost savers to replace Babbitted Bearings. Benefits are less downtime, no internal coolants needed, and environmentally safe.





BDI is a full line distributor for Bearings, Mechanical and Electrical Power Transmission, Fluid Power, Sealing/Retaining/Locking devices, Industrial Hose and Fittings, Conveyor Belting, Linear Motion, and related industrial products.

Branches are located throughout the USA, Canada, Mexico, Europe and China.

**For more information on our Power Generation capabilities,
please contact your local account representative at the
phone number listed below,
or visit our web site at www.bdi-usa.com**