



SERVING INDUSTRY SINCE 1947

A large-scale industrial scene showing two workers in hard hats and safety vests working on a massive piece of machinery. The machinery features large, rusted metal gears and complex structural components. The lighting is dramatic, with strong highlights and deep shadows, emphasizing the scale and complexity of the equipment.

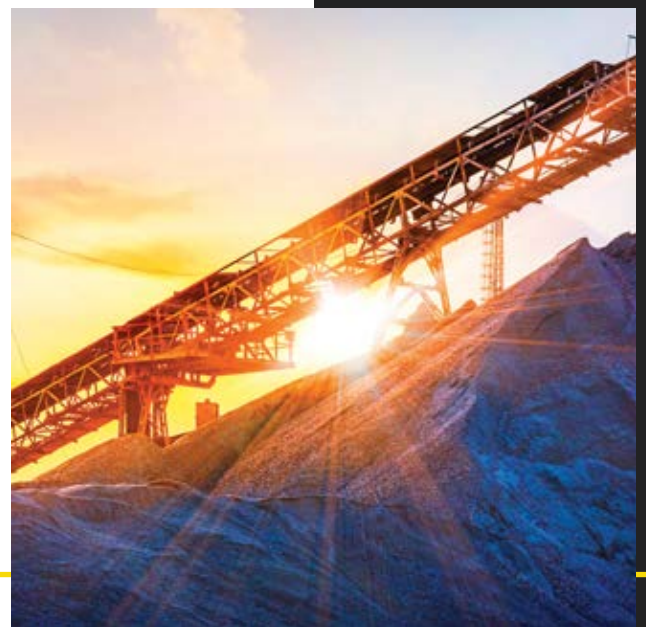
FIELD SERVICE
GEARING+RELIABILITY
SOLUTIONS

BDINDUSTRIAL.COM

B&D FIELD SERVICE

INDUSTRIES WE SERVE

- Cement
- Food Industry
- Mining
- Petrochemical
- Plastics
- Power Generation
- Pulp and Paper
- Rock Quarries (aggregate)
- Rubber/Tire
- Steel
- Tissue



24/7/365 EMERGENCY CALL-OUT

30+ YEARS PROVIDING RELIABLE,
TECHNICAL SOLUTIONS

EXPERIENCED, SAFETY-CERTIFIED
MILLWRIGHTS AND IN-FIELD MACHINISTS

FULL-TIME ENGINEERING STAFF

GEARING & BEARING TRAINING

SCHEDULED ROUTINE AND URGENT
MAINTENANCE



ARE YOU BEING CHALLENGED TO MAKE YOUR EQUIPMENT MORE RELIABLE WITH INCREASED PRODUCTIVITY?

We identify and provide solutions for consistent reliability issues related to process component failure including:

- Alignment issues
- Consistent coupling failure
- Decreased gear reducer life
- Energy efficiency
- Excessive and undetermined gear wear – decreased expectancy
- Increased radial and axial forces due to increased speeds and torque
- Lubrication qualities and thermal capacity issues
- Premature bearing failure
- Product performance quality
- Unscheduled downtime and undefined root causes
- Wear due to increased speeds and loads

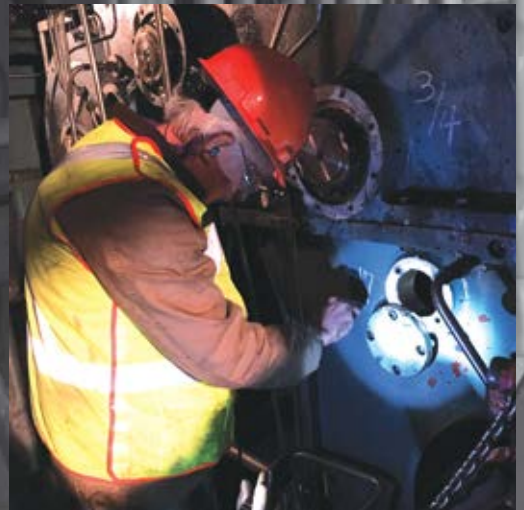


We at B&D are willing and ready to accept that challenge and are eager to be a partner in helping you achieve those goals!

PAPER MACHINE INSPECTION SERVICES

For over 30 years, B&D's Gearing + Reliability Solutions group has developed the most comprehensive paper machine inspection in the industry. This service has been created for the sole purpose of improving machine reliability and increasing production through improving machine up time and availability.

Our knowledge of gearing, bearings, reducers, drive shafts and couplings and how they relate to machine performance is unmatched in the paper industry. Through our inspections services, we will find and uncover root causes to your reliability and production issues utilizing the latest technology and highest trained technical staff available.



BEARINGS

COUPLINGS

DRIVESHAFTS

DRYER CAN
DIAMETERS

DRYER CAN
SQUARE AND LEVEL

GEARING

MACHINE
FRAMES

REDUCERS

SOLE PLATES

Our Approach





GEARS

- ▶ Backlash measurements to establish gear wear
- ▶ Critical list of priorities with previous and current readings to determine reliability scope and plan
- ▶ Long-standing partnerships with gear-cutting companies
- ▶ Provide detailed analyses and drawings

B&D has detailed reports to help you understand what is causing your problems and what steps to take to correct – all while helping you maintain machine reliability and making it to your next shut down.



BEARINGS

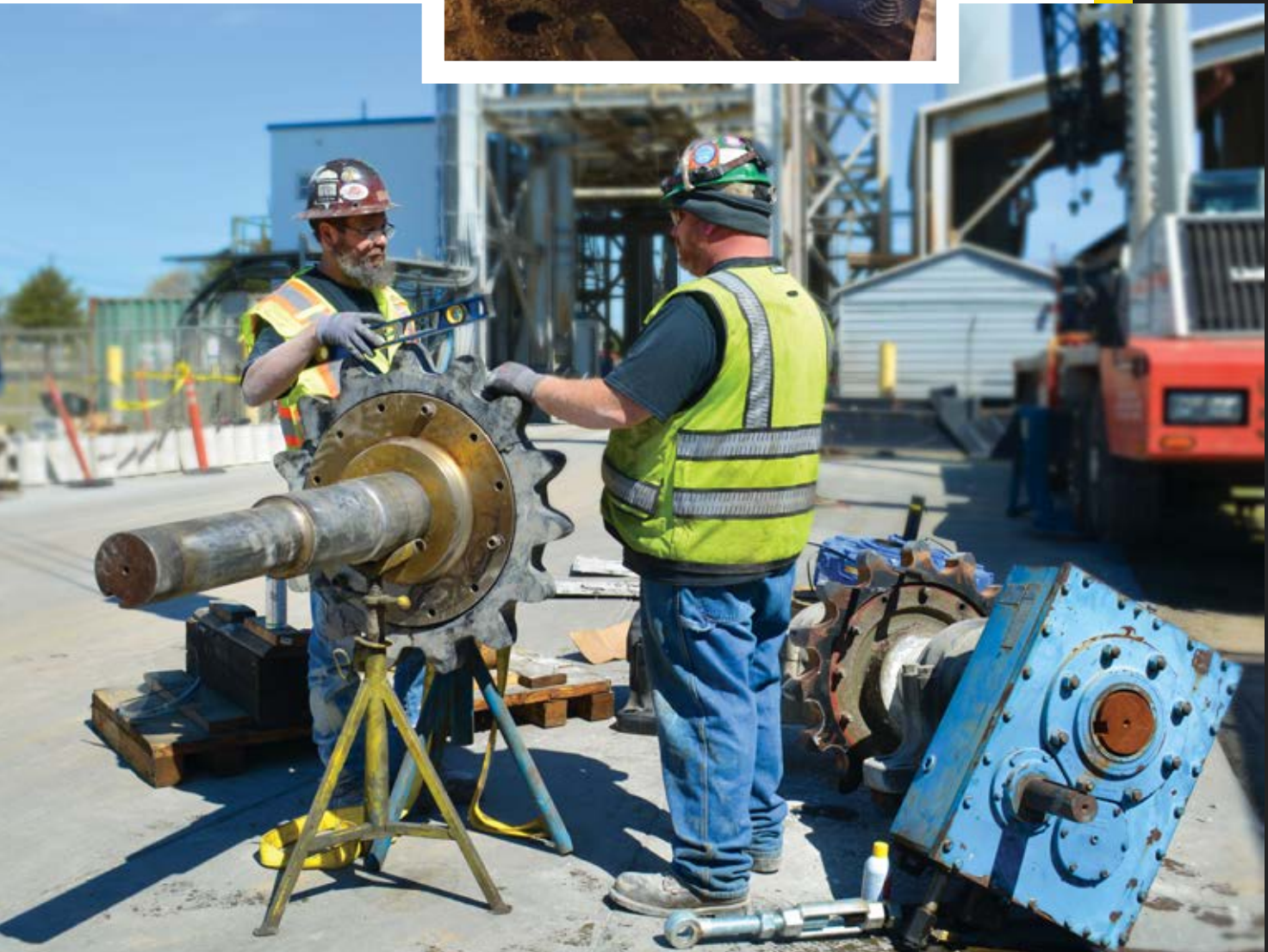
We're experienced with all brands and sizes of bearings

Services

- ▶ Bearing replacements
- ▶ Inspections for floats to be within manufacturer specifications
- ▶ Inspections to ensure bearings are within manufacturer specifications
- ▶ Rockers

GEAR REDUCERS

- ▶ Customized preventive maintenance programs
- ▶ Gearbox inspections and replacement
- ▶ On-site rebuild
- ▶ Turn-key jobs



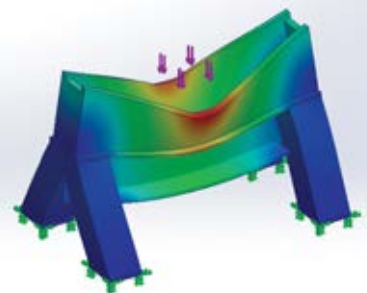


COUPLINGS

- ▶ Coupling inspection precision maintenance forms
- ▶ Examples of close couple inspection forms
- ▶ Examples of failed or failing couplings
- ▶ Examples of jackshaft style inspection forms
- ▶ Jackshaft rebuilds
- ▶ RIM/Face Rotalign Laser optical alignment
- ▶ Standard job plan for coupling inspection
- ▶ Summary report with priority failures

UTILIZING THE LATEST TECHNOLOGY

- ▶ BDI Forms In-Field Data Collector
 - *Only Field Service Contractor with this capability*
 - *Reliable control of customer records and information for review and data history*
 - *Fast data collection from inspections that can be dispatched to customer electronically, reducing lead time on reliability reports.*
- ▶ Laser alignment technology
- ▶ Faro single-arm technology measurement for machine parts
- ▶ Faro Tracker technology utilized for large field measurements
- ▶ Solidworks FEA for determining failure analysis
- ▶ Vibration technology and certification to evaluate and solve failures




SOLIDWORKS

FARO

TRAINING

TECHNICAL TRAINING

Each of our millwrights are certified annually with technical training. Training records are available for customer review and customer-specific classes can also be developed.

Safety Certifications

- ▶ Fall Protection
- ▶ MSHA
- ▶ OSHA 10 Hour & 30 Hour
- ▶ TAPPI

Vendor Training Qualifications

- ▶ AVETTA
- ▶ Browz
- ▶ Cognibox
- ▶ ISNetwork

TRAINING CLASSES

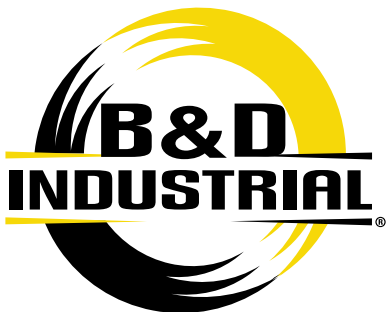
- ▶ Basic Rigging
- ▶ Advanced Rigging
- ▶ Rolling Contact Bearings
- ▶ Sliding Surface Bearings
- ▶ Intro to Couplings
- ▶ Coupling Failure and Analysis
- ▶ Precision Measurement and Tools/
Mechanical Drawings
- ▶ Basic Arc Welding
- ▶ Oxy/Fuel Use/Set-up and Safety
- ▶ Fasteners
- ▶ Rim and Face Reverse Dial Alignment
- ▶ Laser Alignment
- ▶ Hydraulics
- ▶ Pneumatics
- ▶ Belts and Belt Tensioners





B&D FIELD SERVICE LOCATIONS



Macon, GA	(478) 742-8444
Savannah, GA	(912) 964-5561
W. Monroe, LA	(318) 509-7882
Tacoma, WA	(253) 777-1967



SERVING INDUSTRY SINCE 1947

GEARING+RELIABILITY SOLUTIONS

BDIndustrial.com

 [bdindustrial](https://www.instagram.com/bdindustrial)
 [B & D Industrial](https://www.linkedin.com/company/bdindustrial)

A FAMILY AND EMPLOYEE-OWNED COMPANY.