

MINING

HORSBURGH & SCOTT OFFERS THE INDUSTRY'S LARGEST AND MOST EXPERIENCED TEAM OF ENGINEERS FOR GEAR AND GEARBOX DESIGN AND MANUFACTURING.



Expert **Gear** and **Gearbox Evaluation**.

PRODUCTS

- Spur Gears
- Helical Gears
- Planetary Gears
- Herringbone Gears
- Ring Gears
- Pinions and Shafts
- Gearbox Components
- Power Transmission Assemblies
- Gearboxes and Drives
- Reconditioned Gears



Reverse Engineering and **Performance Upgrades**



HORSBURGH & SCOTT
DELIVERING THE DIFFERENCE



THE COMPANY MOST QUALIFIED TO HANDLE ALL YOUR GEARING NEEDS

Maximize Profitability with gear and gearbox re-engineering and performance upgrades

Custom Gear Design, fabrication and manufacturing
Dependable On-Time Delivery

Most Experienced engineers in the industry

Responsive 24/7 Field Service MSHA approved

Infield Inspections on Ring Gears and Pinions

Uncompromised Quality and durability you can depend on



In-House Turnkey Solutions from **Evaluation** and **Design** to **Manufacturing**.

MOST TRUSTED NAME IN MINE GEARING APPLICATIONS FOR OVER 135 YEARS

H&S is known for providing the most innovative and highest quality drop-in replacements and custom gearing solutions for coal, metal, and other mineral mining applications.

With over 278,000 square feet of modern manufacturing facilities, Horsburgh & Scott provides a full turnkey solution for all your custom gearing needs. From evaluation and design, to manufacturing and shipping, we will meet your scheduled repair deadlines.

- Gear cutting up to 24 ft (7.3M) in diameter
- Grinding to AGMA Class 14
- In house heat treating and carburizing
- Finite Element Analysis (FEA)
- Induction hardening
- Quality measurements within 2 microns

DELIVERING THE DIFFERENCE

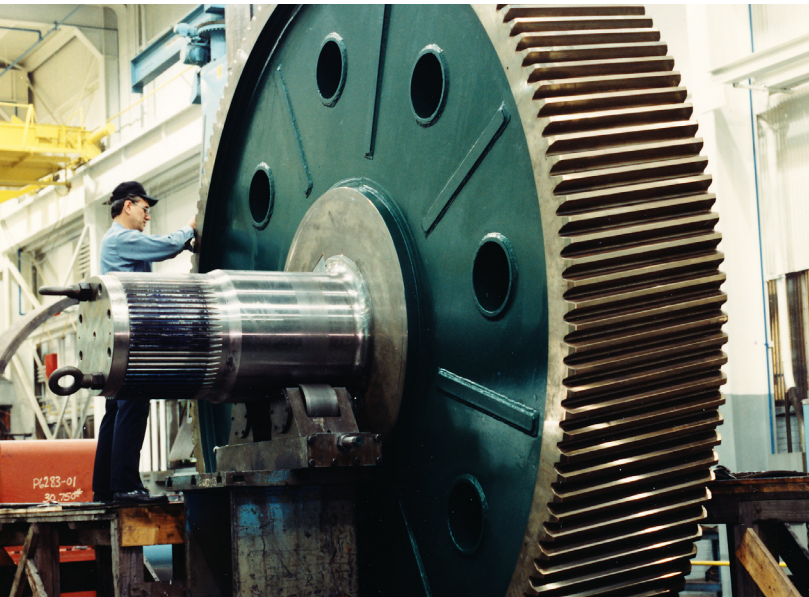


HORSBURGH & SCOTT

SOLUTIONS FOR MINING



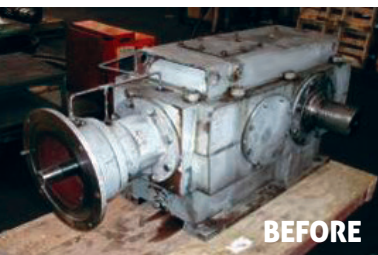
HORSBURGH & SCOTT HAS OVER 135 YEARS OF EXCELLENCE IN GEARING AND THE MOST EXPERIENCED AND KNOWLEDGABLE ENGINEERS.



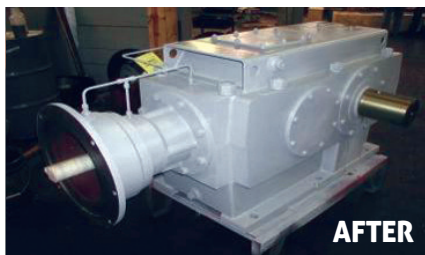
Gearing Solutions for mines around the world.

UNIQUE ENGINEERING EXPERTISE FOR MINING OPERATIONS

- On-site gear inspection, diagnostics and failure analysis.
- Turnkey repair and rebuild of any size gear or gearbox make and model.
- Reverse engineering and upgrades to increase load capacities.
- 24/7 field service with experienced technicians.



BEFORE



AFTER

CONVEYOR DRIVES

We re-engineer and rebuild gearboxes to brand new condition that function better and more efficiently than the original design.

THE MILL GEARING EXPERTS

H&S provides turnkey gearing solutions for all types of mills, with complete project management, evaluation, repair, rebuild and realignment services. We specialize in optimizing your mill to operate with higher capacities and better efficiencies than original.

APPLICATIONS

- Combination Drives
- Shovels and Draglines
- Long Wall Mining
- Back Wall Drives and Gears
- Kilns and Dryers
- Ball and Rod Mills
- Autogenous and SAG Mills
- Conveyors
- Dumpers
- Loaders
- Pulverizers
- Mine Hoist Gearing

24/7 EXPERT ON-SITE MINING FIELD SERVICE, DIAGNOSTICS AND REPAIR AROUND THE GLOBE.

We have repaired almost every type of gear and gearbox in the mining industry for over a century. Whatever your toughest gearing challenges, we have a solution to repair and improve your mining gear equipment to last longer.



- Gear Inspection
- Gearbox no-load spin testing
- Installation supervision
- Detailed bore scope inspections
- Non-destructive testing
- FARO Arm on-site measurement
- Failure analysis



MILL DRIVES

We provide cost effective gearing solutions that are the most reliable in the industry.



SHOVELS AND DRAGLINES

We provide gears that can withstand the toughest uses and conditions in mining.



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DELIVERING THE DIFFERENCE



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