

MINING

Advanced Gearing Solutions
for the Mining Industry

*Delivering the Difference with
the company most qualified to
handle all your gearing needs.*

**DEPENDABLE
ON-TIME
DELIVERY**



**EXPERT GEAR
AND GEARBOX
EVALUATION**



**REVERSE
ENGINEERING AND
PERFORMANCE
UPGRADES**



**GEARBOX
REBUILD & REPAIR
SPECIALISTS**



HORSBURGH & SCOTT
DELIVERING THE DIFFERENCE

MAXIMIZE PROFITABILITY with
gear and gearbox re-engineering and
performance upgrades

CUSTOM GEAR DESIGN, fabrication
and manufacturing

MOST EXPERIENCED engineers in
the industry

RESPONSIVE 24/7 FIELD SERVICE
MSHA approved

INFIELD INSPECTORS on Ring Gears
and Pinions

UNCOMPROMISED QUALITY and
durability you can depend on

**MOST TRUSTED NAME
IN MINE GEARING
APPLICATIONS
FOR OVER 135 YEARS**



THE MILL GEARING EXPERTS

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

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.

REBUILD & REPAIR

- Emergency Breakdown service and repairs
- Equipment Evaluation / Analysis
- Detailed inspections and evaluations
- Gear Alignment

APPLICATIONS

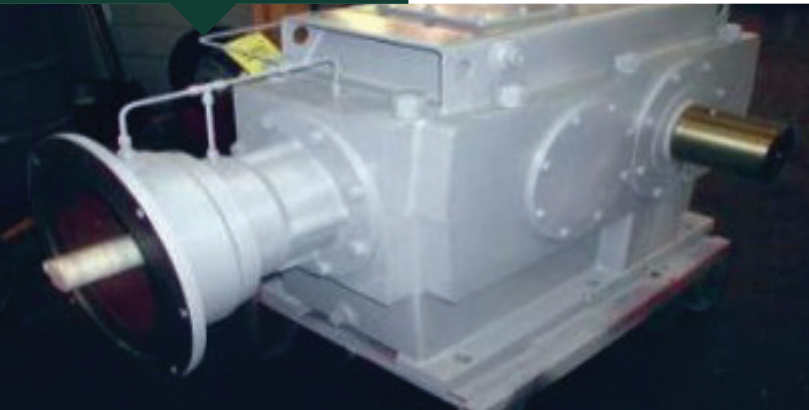
- Combination Drives
- Shovels and Draglines
- Long Wall Mining
- Back Wall Drives and Gears
- Kilns and Dryers
- Ball and Rod Mills
- Autogenous and SAG Mills
- Conveyors
- Dumpers
- Loaders
- Pulverizers
- Mine Hoist Gearing

PRODUCTS

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

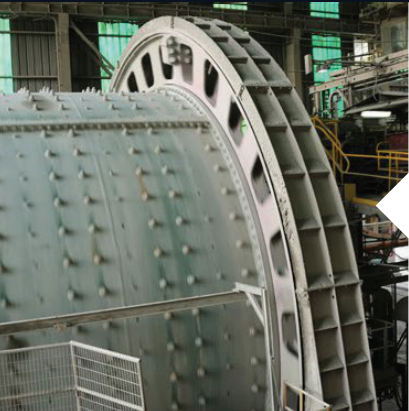
CONVEYOR DRIVES

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



SHOVELS AND DRAGLINES

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



MILL DRIVES

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



SOLUTIONS FOR MINING

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 24ft (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

EXPERTISE

- On- site gear inspection, diagnostic, 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



**CUSTOM AND
STANDARD
GEAR, DRIVE
AND GEARBOX
SOLUTIONS**



**UNIQUE
ENGINEERING
EXPERTISE
FOR MINING
OPERATIONS**

**MORE ENGINEERS
ON STAFF THAN
ANY OTHER
COMPANY IN
GEARING**

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



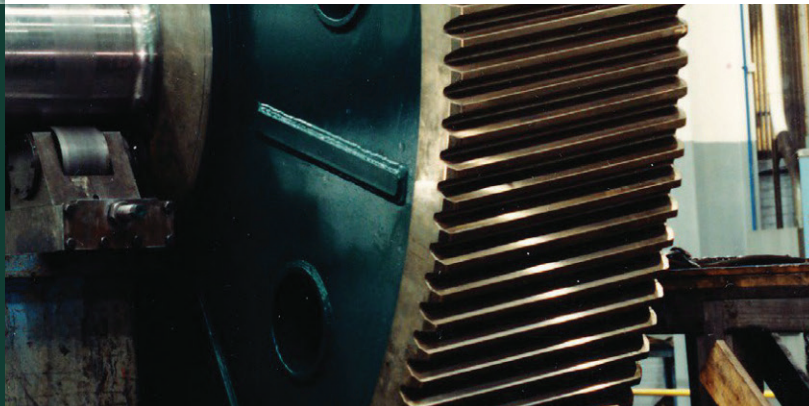
HORSBURGH & SCOTT
DELIVERING THE DIFFERENCE

We have repaired almost every type of gear and gearbox in the mining industry for over a century. Whatever your toughest gearing challenge, 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
- Drop in replacements of competitive drives



**GEARING
SOLUTIONS FOR
MINES AROUND
THE WORLD**



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