

GEAR UP™
with the company most
qualified to handle all
your gearing needs.



HORSBURGH & SCOTT
GEAR UP™

REBUILD & REPAIR

HORSBURGH & SCOTT OFFERS THE INDUSTRY'S
LARGEST AND MOST EXPERIENCED TEAM
OF ENGINEERS FOR **GEAR AND GEARBOX
REBUILD AND REPAIR.**

SOPHISTICATED ENGINEERING
process and standards

COST EFFECTIVE ALTERNATIVES
to new equipment

**ON-SITE EVALUATION, ANALYSIS
AND ADVICE** for optimized repair or rebuild

PERFORMANCE UPGRADES to meet
or exceed your current process loads

COMPLETE REALIGNMENT
ensures equipment reliability

**EXPERT GEAR
AND GEARBOX
EVALUATION**



**24/7 EXPERT
ON-SITE
DIAGNOSTICS,
MAINTENANCE
AND REPAIR**



**REVERSE
ENGINEERING AND
PERFORMANCE
UPGRADES FOR
GEARBOX REBUILD
AND REPAIR**



**REBUILT OVER
1,000
GEARBOXES ACROSS
90 BRANDS**

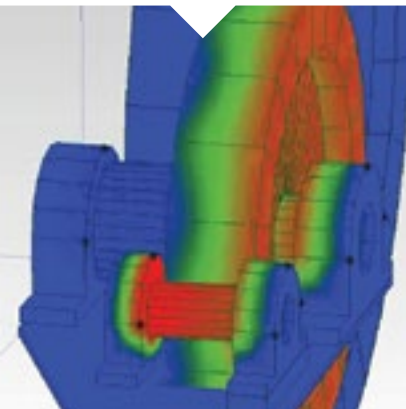


ADVANCED GEARBOX REBUILD, REPAIR & UPGRADE

HORSBURGH & SCOTT HAS ADVANCED EQUIPMENT AND EXPERT ENGINEERS AND TECHNICIANS THAT CAN ACCURATELY DIAGNOSE ANY GEARBOX ISSUE AND SUGGEST THE BEST POSSIBLE OPTION FOR REPAIR, MAINTENANCE OR REPLACEMENT.

SENTRY™ CONDITION ASSESSMENT

Vibration monitoring mapped to 3D model showing mechanical stresses on the mill.



We have repaired and rebuilt more than 90 different gearbox brands, including more than 1000 gearboxes of different brands and models in just the last five years.

APPLICATIONS

- Hot and cold, rolling, pipe, ball, rod, autogenous and tunnel boring mill gearing
- Shear drives
- BOF drives
- Coilers and uncoiler gearing
- Pulverizer gearing
- Material conveyor gearing
- Mixers and extruder gearing
- Rotating kiln drives
- Crane and winch gearing
- Railcar dumper drives
- Air pre-heater gearing
- Wind turbines
- Pump and calendar drives
- Dredge gearing
- Aerators, clarifiers and agitators
- Elevation screws
- Tainter gate gearing
- Movable bridge gearing

MORE ENGINEERS
on staff than any other
company in gearing.



DEDICATED
60,000 square foot
repair center with 150
ton crane.



IN-HOUSE
welding center with
robotic welding
equipment.





HORSBURGH & SCOTT SPECIALIZES IN GEARBOX REBUILD, REPAIR AND UPGRADE. WE HAVE BEEN IN BUSINESS FOR NEARLY 130 YEARS AND HAVE SEEN ALMOST EVERY TYPE OF GEAR FOR MANY MARKETS AND APPLICATIONS.

HORSBURGH & SCOTT
GEAR UP™

UNIQUE EXPERTISE IN REMANUFACTURING GEARS AND GEAR DRIVES

- Engineering analysis, gearbox evaluation and reverse engineering of all brands.
- Engineering upgrades to improve efficiency and extend operating life.
- 24/7 field service with experienced technicians.
- Condition monitoring and assessment with SENTRY™ technology.
- Non-destructive testing, borescope inspections and no-load spin testing.
- Accurate predictive and preventative maintenance plans.
- Disassembly, repair and realignment.
- Rush breakdown repairs.

We can save you up to 50% by reverse engineering and repairing or rebuilding your gearboxes instead of buying new. Through our expert re-engineering abilities, we ensure your gearboxes will run longer and more efficiently with stronger, more durable gearing.

PRODUCTS

- Spur Gears
- Helical Gears
- Planetary Gears
- Herringbone Gears
- Ring Gears
- Pinions and Shafts
- Gearbox Components
- Power Transmission Assemblies
- Gearboxes and Drives Up to 5000 HP



GEARBOX BEFORE
Horsburgh & Scott
Rebuild & Repair



GEARBOX AFTER
Horsburgh & Scott
Rebuild & Repair

EQUIPMENT AND EXPERTISE
to handle even the largest gears.



GEAR UP™
for higher productivity



HORSBURGH & SCOTT
GEAR UP™



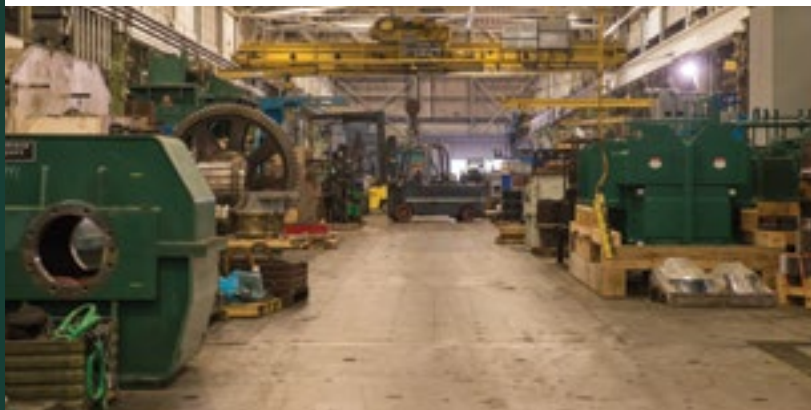
Horsburgh & Scott has nearly 130 years of engineering expertise in high torque, large gear drive systems. We use the world's most advanced gear cutting equipment and can duplicate virtually any gear geometry.


CAPABILITIES

- Gears up to 40 ft (12m) in diameter
- Grinding to AGMA Class 14
- Heat treating and carburizing up to 50,000 lbs (22,000 kg)
- Induction hardening to 5m in diameter or 30,000 lbs (13,000 kg)
- Quality measurements within 2 microns

MARKETS SERVICED

METALS
MINING
PUMPS
SUGAR
OIL & GAS
WIND ENERGY
TIRE & RUBBER
POWER GENERATION
TRANSPORTATION
INFRASTRUCTURE
GENERAL INDUSTRIAL



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