

ADVANCED GEARING CAPABILITIES

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



HORSBURGH & SCOTT
DELIVERING THE DIFFERENCE

Over 135 Years of Industry Leadership

Horsburgh & Scott has over 135 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.



A Complete Range of Gearing Solutions

Horsburgh & Scott's engineers have the experience and expertise for all your gearing and gear drive needs.

CUSTOM AND STANDARD GEARBOX & POWER TRANSMISSIONS

Increase productivity and decrease downtime with custom gearboxes designed by our engineering experts.

- Custom designs built to spec
- Standard sizes up to 25,000 hp
- Output shaft diameters over 40 in.
- Parallel shaft, concentric, right angle and planetary
- Upgrades and re-ratios
- Pressure and splash lube systems



OPEN GEARING & PINIONS

We have the expertise to engineer, manufacture, duplicate, replace or repair almost any gear shape, size, make and model.

- Spur
- Helical
- Double helical
- Herringbone
- Shelled pinions
- Integral pinions
- Ring gears
- Planetary gears
- Fabricated gears
- Shafts up to 24 ft. in diameter



REBUILD & REPAIR

Horsburgh & Scott specializes in gearbox rebuild, repair and redesign. With over 135 years of experience, we have seen almost every type of gear.

- Equipment strip
- Inspect
- Evaluate
- Failure analysis
- Dynamic modeling
- Re-ratios and engineered upgrades
- Reverse engineering rebuilds
- Emergency breakdown repairs
- Enclosed drive spin testing
- Non-destructive testing



24/7 FIELD SERVICE

With a team of highly experienced technicians and engineers, we provide a comprehensive field service solution, including planned maintenance and 24/7 on-site emergency repairs.

- Installation
- Preventative maintenance
- Rush repairs
- Borescope inspections

Full-Service Provider

Horsburgh & Scott engineers and manufactures a wide range of small to large gears and gearboxes, then supports them with value-added services to keep your operations up and running.

DESIGN

- Gearbox / drive
- Shaft mounting
- Keys
- Meshing
- Spin testing
- Brakes, clutches, bearings, couplings, and other accessories

FABRICATION

- MAAG cutting
- Gashing
- Form milling
- Hobbing
- Boring
- Turning
- Key seating
- Gear grinding
- Deburring
- Re-shelling
- Shaft grinding

ASSEMBLY

- State-of-the-art design tools
- Design to spec
- Upgrades
- Modernization
- Re-ratio
- Reverse engineering
- Finite element analysis

HEAT TREATMENT

- Induction hardening
- Through hardening
- Carburizing



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