

TIRE & RUBBER



HORSBURGH & SCOTT IS KNOWN FOR PROVIDING THE MOST INNOVATIVE AND HIGHEST QUALITY CUSTOM GEARING THAT WILL STREAMLINE TIRE & RUBBER OPERATIONS AND STAND UP TO DEMANDING USAGE.

WE OFFER QUALITY GEARBOX REPAIR AND DROP-IN REPLACEMENT GEARBOXES FOR THESE HIGHLY DEMANDED UNITS:

FARREL MODELS

MIXERS

F620
F270
SHR6266
SRH22

LUFKIN MODELS

MILL DRIVES

T720
T540

MIXERS

DF1140
DF890
DF1015

DON'T SEE YOUR DRIVE ON THIS LIST? CALL US.

TIRE & RUBBER APPLICATIONS

- Rubber Mixer Drives
- Mill Drives - Reclaim, Drop, Breakdown, Takeoff
- Calender Drives - Fabric 4-Roll, Sheet 4-Roll
- Extruder Drives - Roller Dye, Pellet, Sheet
- Sheeter Drives



THE COMPANY MOST QUALIFIED TO HANDLE ALL YOUR GEARING NEEDS

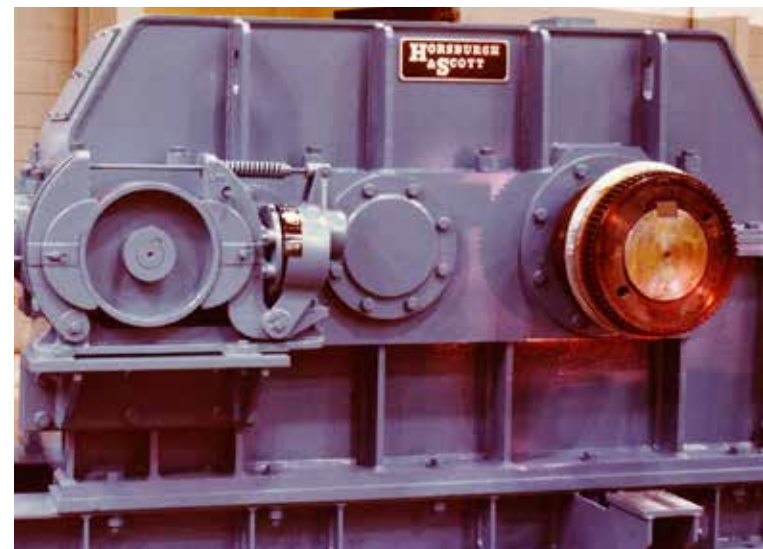
Maximize Profitability with gear and gearbox re-engineering and performance upgrades

Fastest Turnaround Time in the gearing industry

Dependable On-Time Delivery

Most Knowledgeable and Experienced engineers in the industry

Uncompromised Quality and durability you can depend on



ADVANCED GEARING CAPABILITIES



KEY CAPABILITIES

- 237,000 sq. ft. of manufacturing
- 35,000 sq. ft. of heat treating
- 6,500 sq. ft. — H&S Canada (Lively, ON)

ENGINEERING EXPERTISE

- Over 25,000 hours/year
- Drawings for over 90 different gearbox brands and spare parts

INNOVATIVE EQUIPMENT

- Fellows 65-16 Shaper with full CNC controls
- Giddings & Lewis VTC 2000 vertical turning
- Gleason-Pfauter P1600/2000 hobber/gasher
- Gleason-Pfauter P2000G form grinder
- Gleason-Pfauter P2006 form grinder
- Gleason-Pfauter P2400/3000 hobber/gasher
- Hofler R1600/2000 form grinder
- Hofler R6000 form grinder
- Hofler 1600 form grinder
- Schiess horizontal boring mill
- G&L 3500 vertical turning center
- Farrel 50 ft. vertical turning center
- Aichlin pit furnace (2)



The **Gleason-Pfauter Hobber/Gasher** improves productivity with a **7x Reduction in Hobbing Time**.

THE COMPANY MOST QUALIFIED TO HANDLE ALL YOUR GEARING NEEDS.

TURNKEY GEARING SOLUTIONS

- Design to Manufacturing
- Repair & Rebuild
- Field Service
- Reverse Engineering and Performance Upgrades
- Gears up to 24 ft. (7.3m) in diameter and 287 in.
- Gearbox Types: Planetary, Parallel Shaft, Split Shaft, Right Angle, Multi-Speed
- In-house 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)
- Inspection and Testing

GEAR & SHAFT GRINDING SPECIFICATIONS

- External: outside diameter to 6.0m (237 in.)
- Internal: outside diameter to 3.5m (138 in.)
- Face width: up to 2.0m (79 in.)
- Module: up to 40 (0.63 DP)
- ISO grade: up to 4 (AGMA quality 14)

GEAR TOOTH CUTTING SPECIFICATIONS

- Spur, helical, double helical, herringbone, internal and worm gears
- External: outside diameter to 7.3m (287 in.)
- Internal: outside diameter to 4.8m (189 in.)
- Face width: up to 1.3m (50 in.)
- Module: up to 70 (.375 DP)
- ISO grade: up to 8 (AGMA quality 10)

MOST TRUSTED NAME IN GEARING FOR OVER 130 YEARS

WE'VE REBUILT THOUSANDS OF GEARBOXES, MORE THAN **120** DIFFERENT BRANDS



u.s. (main) plant 216.431.3900
canadian plant 705.692.1414



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DELIVERING THE DIFFERENCE



HORSBURGH & SCOTT