

# CEMENT



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



In-house **TURNKEY SOLUTIONS** from **Design and Manufacturing** to **Heat Treating and Carburizing**.

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

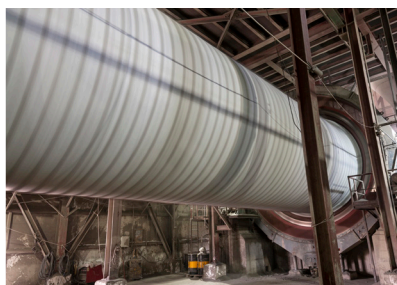
## CEMENT APPLICATIONS

- Ball Mills
- Kilns
- Pulverizers
- Conveyor Drives
- Roller Press Drives
- Center Drives
- Vertical Roller Mills
- Dryers
- Rod Mills
- Pebble Mills



### CONVEYOR DRIVES

We are experts in high stress processing gearing and know the gear strength and precision necessary for cement plant operations.



### KILNS

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

## 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**

**Infield Inspections** on Ring Gears and Pinions

**Uncompromised Quality** and durability you can depend on

**HORSBURGH & SCOTT SPECIALIZES IN manufacturing gears and gearboxes for many applications. We have gearing solutions for cement's toughest challenges.**

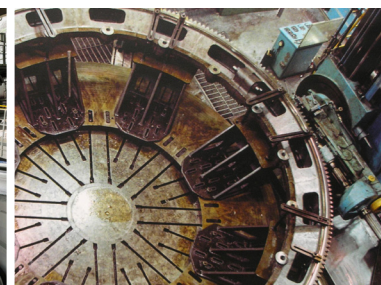
## UNIQUE EXPERTISE TO KEEP YOUR OPERATION RUNNING EFFICIENTLY

- Experienced engineering teams to evaluate, repair and rebuild your gearing.
- Reverse engineering of existing gears and gearbox drives.
- Engineering upgrades to improve efficiency and extend operating life.
- 24/7 field service with experienced technicians.
- Repair, rebuild and upgrade of ANY gear and gearbox make and model.
- Turnkey design, engineering and manufacturing in 278,000 square feet of state-of-the-art facilities.



### BALL MILL DRIVES

We manufacture, repair, and install ball mill drives with improved performance and longer life.



### LARGE GEAR DESIGN AND MANUFACTURING

We have the specialized equipment and experience to handle your largest gears and gearboxes.

# ADVANCED GEARING SOLUTIONS FOR CEMENT



## EXCELLENCE IN CEMENT INDUSTRY GEARING FOR 135 YEARS



Horsburgh & Scott has 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.

### KEY CAPABILITIES

- Gears up to 24 ft (7.3m) 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



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

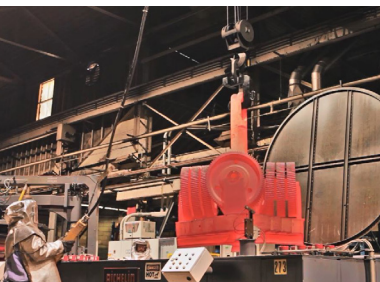


Horsburgh & Scott understands that in the cement industry, lost production is very costly. We have extensive experience in engineering, manufacturing and rebuilding large gear systems.

With 135 years of experience in gearing technology, we continue to innovate to achieve the best production processes in the industry. With a strong focus on engineering, we have provided our clients with gearing at maximum efficiency for a great value.

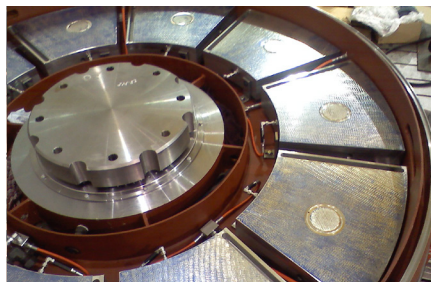
### PRODUCTS

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



#### HEAT TREATING AND CARBURIZING

Done in our facilities to ensure the most dependable gears in the industry.



#### CUSTOM GEAR AND GEARBOX SOLUTIONS

We offer a full range of standard gearbox systems.



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**DELIVERING  
THE DIFFERENCE**



**HORSBURGH & SCOTT**