

# Longer Life, Fewer Maintenance Hours, Reduced Inventories, Smaller Energy Bills



**InSync**

Staying InSync With Technology.

## Cement Industry Applications

**Bucket Elevators**

**Belt Conveyors**

**Screw Conveyors**

**Pumps**

**Apron Feeders**

**Drag Conveyors**

**Car Dumpers**

**Drum Drives**

**Inching Drives**

*Applied Industrial Technologies and Rexnord offer an entire list of advantages with the Planetgear™ Speed Reducer. This uncompromising product has proven itself for over 20 years in the Cement Industry. With its broad range of horsepower capabilities, the Planetgear can be used in almost every operation to keep you InSync® with minimal downtime, maintenance costs and lost production.*

## ▶ Features and Benefits:

- ❑ **Superior Shock Load Capabilities** – Unique to the Planetary, a minimum of six teeth are in contact at all times providing a momentary overload protection up to 250% of rated capacity. Ductile iron housings virtually eliminate any fractures from vibrations or high shock loads.
- ❑ **Reliable Operation** – External loads are transmitted through the input and output shaft housings. Gears are not fixed to the shafts but connected through splines. The gear isolates the gear train from external loads, eliminating forced misalignment and therefore extending gearing life.
- ❑ **Simple Design** – No special tools are needed to assemble and disassemble, reducing your downtime and maintenance costs.
- ❑ **Taconite Duty Seals** – Two taconite seals, standard on each shaft of every unit, feature a grease purgeable cavity to keep out cement dust, dirt and moisture.
- ❑ **Tapered Roller Bearings** – Tapered roller bearings are used on all input and output shafts. Since no gear loads are carried on these bearings, a higher L10 life is typically achieved.
- ❑ **Efficient** – 97.5% efficiency per reduction provides crucial energy savings.
- ❑ **Application Flexibility** – The Planetgear can be retrofitted to accommodate any application including vertical arrangements.
- ❑ **Fast Delivery** – Applied is an authorized build and repair center for the Rexnord Planetgear. You can expect **24 hour standard shipping at no premium charge.**



Cement Industry



**APPLIED**  
Industrial Technologies®

Value Through Innovation

# Applied and Rexnord: The Right Gear Box at the Right Time

► **Keeping the Cement Industry InSync<sup>®</sup> with productivity and profitability**

Rigid scoop facilitates the mounting and alignment of most motor frame sizes and eases final installations of the drive package.



Planetgear motor mount saves space and allows precise speed adjustment.



Slidebases are available for all reducers to facilitate chain tensioning.



Reducers are easily modified for vertical service with either low speed or high speed shaft down.



Flanged motor mounts are available in Mercury through Polaris sizes, for NEMA frame sizes 56C to 286TC.



Internally mounted, oil lubricated backstops are available for all Planetgear reducers.



Large motors are easily accommodated on sturdy baseplates.

**Contact Your Local  
Applied Service Center  
1-877-279-2799**



**APPLIED**  
Industrial Technologies<sup>®</sup>

*Value Through Innovation*

Applied Industrial Technologies  
World Headquarters  
One Applied Plaza  
Cleveland, Ohio 44115-5000

Phone: 1-877-279-2799

[www.appliedindustrial.com](http://www.appliedindustrial.com)