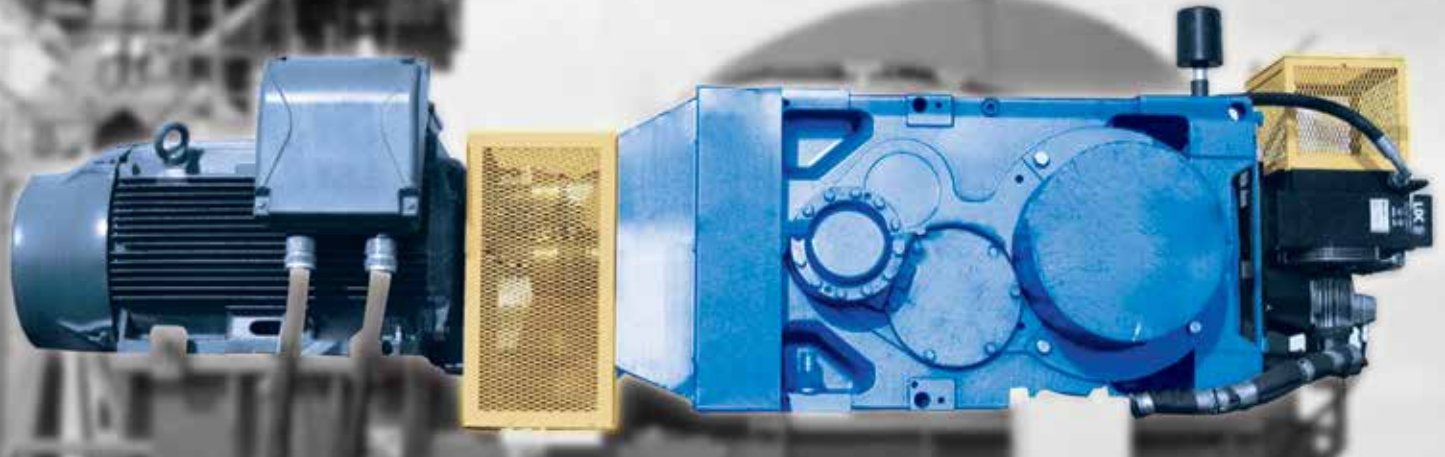


BUCKET ELEVATOR APPLICATION OVERVIEW



NORD Drivesystems - Improving Productivity Worldwide.

Partners in Motion - Products and Solutions for Bucket Elevators

Companies around the world have come to rely on NORD Drivesystems for reliable drive solutions to meet the demands of transporting bulk material. At NORD we believe in open, two-way communication to help our customers with an accurate assessment of your individual application. We understand the demands of industry and our goal is to provide you with drive assembly which will reliably serve the needs of your plant for many years to come.

From planning and assembly to delivery, NORD's commitment is reliability, dependability and a long service life. NORD's promise to you doesn't end after delivery. Our philosophy is centered on building long term relationships by exceeding your expectations. We believe quality of service equals quality of product.

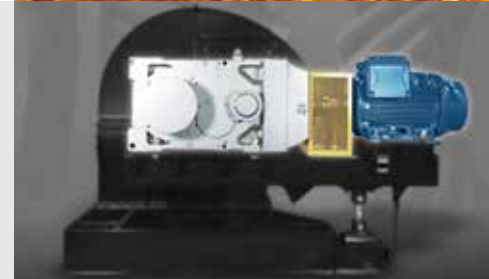
Industries Served that Rely on Bucket Elevators

- Grain Industry
- Fertilizer
- Aggregate
- Cement
- Mining

Built for Your Demanding Environment

Whether your operating a high-throughput grain terminal, a port facility, or a cement plant; NORD can offer a reliable and efficient drive package for your bucket elevator application. NORD designs and provides gear drives with an industry leading ratio range then, by combining high quality gearing with a leak free design, NORD delivers trouble free and quiet transmission of power to the head-shaft.

All of our products utilize our UNICASE™ housing design. The UNICASE™ one-piece housing is structurally rigid and maintains shaft and gear alignment even under extreme loading conditions. The result is long gear life, higher permissible external forces, and minimum backlash. NORD's precision manufacturing processes ensure accurate alignment of all bearing seats, internal shafts, and gears.



BUCKET ELEVATOR APPLICATION OVERVIEW



- 90.1 Helical -Bevel Series
- MAXXDRIVE™
Large Industrial Gearing
- NORD Motors & Brakemotors
- NEMA & IEC Input Options



Primary Bucket Elevator Types

1. Centrifugal Discharge Bucket Elevators

Typically traveling at a relatively high speed, the centrifugal discharge bucket elevator is for medium capacity applications handling small to medium size lumps. Buckets are designed for use on either belt or chain and their use ranges from material that must not be contaminated to materials that are abrasive or corrosive and include materials that have a large percentage of lumps.

2. Continuous Discharge Bucket Elevators

This type of bucket elevator travels continuously at much slower speeds and handles a variety of materials from fine to large lumps. The buckets are emptied at discharge points after being filled from a loading leg or chute. NORD fits these applications perfectly due to the lower energy consumption of mechanical conveyors versus the use of pneumatic conveyors. Great examples are at feeding silos in the grain industry and at kilns in the cement industry. Look to NORD for reliability, long service life and low operating costs.

3. Super Capacity Belt Bucket Elevators

Also known as Heavy Mill Duty Industrial Elevators and at times referred to as Cement Mills, this type of elevator meets the most severe bulk material handling requirements. If you need to transport sharp edged, coarse and abrasive material with extremely high conveying capacities and smooth running requirements, you can rely on NORD's proven reputation for durable construction and consistent performance in the toughest environmental conditions.



NORD Gear Corporation
MEMBER OF THE NORD DRIVESYSTEMS GROUP
info.us@nord.com

Waunakee, WI
800 NORD Drive
Waunakee, WI 53597
Tel. 608.849.7300

Corona, CA
1180 Railroad St.
Corona, CA 92882
Tel. 608.849.0190

Charlotte, NC
300 Forsyth Hall Dr.
Charlotte, NC 53597
Tel. 608.849.0140

NORD Gear Limited - Canada
MEMBER OF THE NORD DRIVESYSTEMS GROUP
info.ca@nord.com

Brampton, ON
41 West Drive
Brampton, ON L6T4A1
Tel. 800.668.4378

Global Vision, Local Support

NORD makes its wide product range easily available through a global network that includes representation in over 60 countries. By providing all of our customers with prompt delivery, and expert support services, we are firmly committed to exceeding customer expectations and being responsive to the ideas and specifications of every customer, anywhere in the world.