



MAXXDRIVE® industrial gear units: Ideal for heavy-duty applications

For applications up to 250 kNm, NORD DRIVESYSTEMS provides robust industrial gear units that are characterised by very high power density, quiet operation and top reliability. The modular system with its multiple options ensures an extremely high level of design flexibility.



*NORD-MAXXDRIVE-industrial-gear-units.jpeg: MAXXDRIVE® industrial gear units from NORD DRIVESYSTEMS are characterised by high power density, quiet operation and top reliability – ideal characteristics for use in heavy-duty applications.
Image: NORD DRIVESYSTEMS*

[MAXXDRIVE® industrial gear units](#) from NORD DRIVESYSTEMS provide high output torques from 15 to 250 kNm and are ideal for use in heavy-duty applications such as agitators, belt drives, mixers, mills, drums or crushers. Thanks to the torsionally rigid one-piece UNICASE housing they achieve a longer bearing life than gear casings manufactured from jointed parts and ensure efficient power transmission and high tolerance for peak loads and impacts. Large low-friction rolling bearings ensure extremely high axial and radial load capacities and a long service life. High-precision axis alignment ensures quiet running. NORD industrial gear units are offered as [parallel gear units](#) or as [right-angle gear units](#) and cover speed ratios from 5,54:1 to 400:1, as well as up to 30.000:1 with an auxiliary primary stage gear unit. Mounting and fastening can take place on all six sides of the gear unit.

MAXXDRIVE® XT for applications with high thermal limit powers

NORD has developed its [MAXXDRIVE® XT series](#) 2-stage right-angle gear units especially for applications where low speed ratios in combination with high power performance is required. As standard, the series is equipped with a heavily ribbed UNICASE housing and an integrated axial fan. Due to the increased surface and the air guide covers, the cooling air flow is optimised and a very high thermal limiting power is achieved. In many cases, additional cooling is not required. Large roller bearings and centre distances increase the load capacity and service life of the components.



*NORD-MAXXDRIVE-XT-right-angle-gear-units.jpeg: The 2-stage MAXXDRIVE® XT right-angle gear units were specially designed for applications that require low speed ratios in combination with high powers.
Image: NORD DRIVESYSTEMS*

Economical modular system

Based on the modular system, NORD plans complete and customised drive systems for heavy-duty operation. This way, attractive solutions can also be provided for price-sensitive industries. This is based on a comprehensive range of frequency inverters, motors, gear units and attached components like couplings, brakes, swing frames and many other options. For example, various versions of drive and driven shafts, mountings, sealing systems, back stops, auxiliary gear units, cooling equipment and sensors for condition monitoring (speed, temperature, vibrations, etc.) are available. For each application, respective features such as hydraulic couplings tailored to the particular process and gear unit, or Taconite seals that effectively protect shaft sealing rings against abrasive dust and corrosion, ensure smooth operation.

Meta title: Robust and durable – NORD industrial gear units

Meta description: Industrial gear units from NORD DRIVESYSTEMS are characterised by high power density, quiet operation and top reliability. More!

Keywords: NORD DRIVESYSTEMS, drive unit, drive technology, drive solution, gear unit, geared motor, industrial gear unit, heavy-duty application, heavy-duty applications, agitators, belt drives, conveyor technology, mixer, mills, drums, crushers, UNICASE housing, parallel gear unit, right-angle gear unit, MAXXDRIVE®, MAXXDRIVE® XT, modular system

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About NORD DRIVESYSTEMS

With more than 4,000 employees, NORD DRIVESYSTEMS has developed, produced and sold drive technology for over 50 years, and is one of the leading global full-service providers in the industry. In addition to standard drives, NORD delivers application-specific concepts and solutions for special requirements such as energy-saving drives or explosion-protected systems. In the 2018 financial year, annual sales amounted

to € 700 million NORD now has subsidiaries and sales partners in 98 countries worldwide. The extensive sales and service network guarantees optimal availability, enabling short delivery times and customer-oriented service. NORD produces a very diverse range of drives for torques from 10 Nm up to over 250 kNm, supplies electric motors in the power range of 0.12 kW to 1,000 kW, and supplies the required power electronics with frequency inverters of up to 160 kW. Inverter solutions are available for conventional control cabinet installations as well as for decentralised, fully-integrated drive units.

www.nord.com

NORD Gear (UK) Ltd

11 Barton Lane

Abingdon Science Park

Abingdon

Oxfordshire OX14 3NB

United Kingdom

Andrew Stephenson

Phone: + 44 1235 534404

Andrew.Stephenson@nord.com

<http://www.nord.com>

Getriebebau NORD GmbH & Co. KG

Getriebebau-Nord-Straße 1

22941 Bargteheide/Hamburg

Germany

Jörg NIERMANN

Phone: +49 45 32 / 2 89 -0

Fax: +49 45 32 / 2 89 -22 53

Joerg.Niermann@nord.com