

Intelligent Drivesystems, Worldwide Services



# **NORDBLOC** **Industrial gear unit**

Modular system for more flexibility



# Motor swing base with fluid coupling, drum brake and auxiliary drive

## Advantages of unicast housings

- ✓ Optimum sealing
- ✓ Quiet running
- ✓ High torque capacity
- ✓ Increased lubricant life
- ✓ Maximised operating life of bearings and gears
- ✓ High reliability
- ✓ Long operating life
- ✓ Symmetrical design
- ✓ B14 face as standard on output side
- ✓ **6 installation configurations**
- ✓ **Mirror-image installation possible**
- ✓ **Same housing size, installation dimensions for all ratios (2 and 3 stage)**

## Temperature management

The following measuring devices are available as options

- ✓ Fan, 3 options
- ✓ External oil/air cooler
- ✓ External oil/water cooler
- ✓ Internal cooling coils (water)
- ✓ Heating cartridges

## Measuring devices and sensors

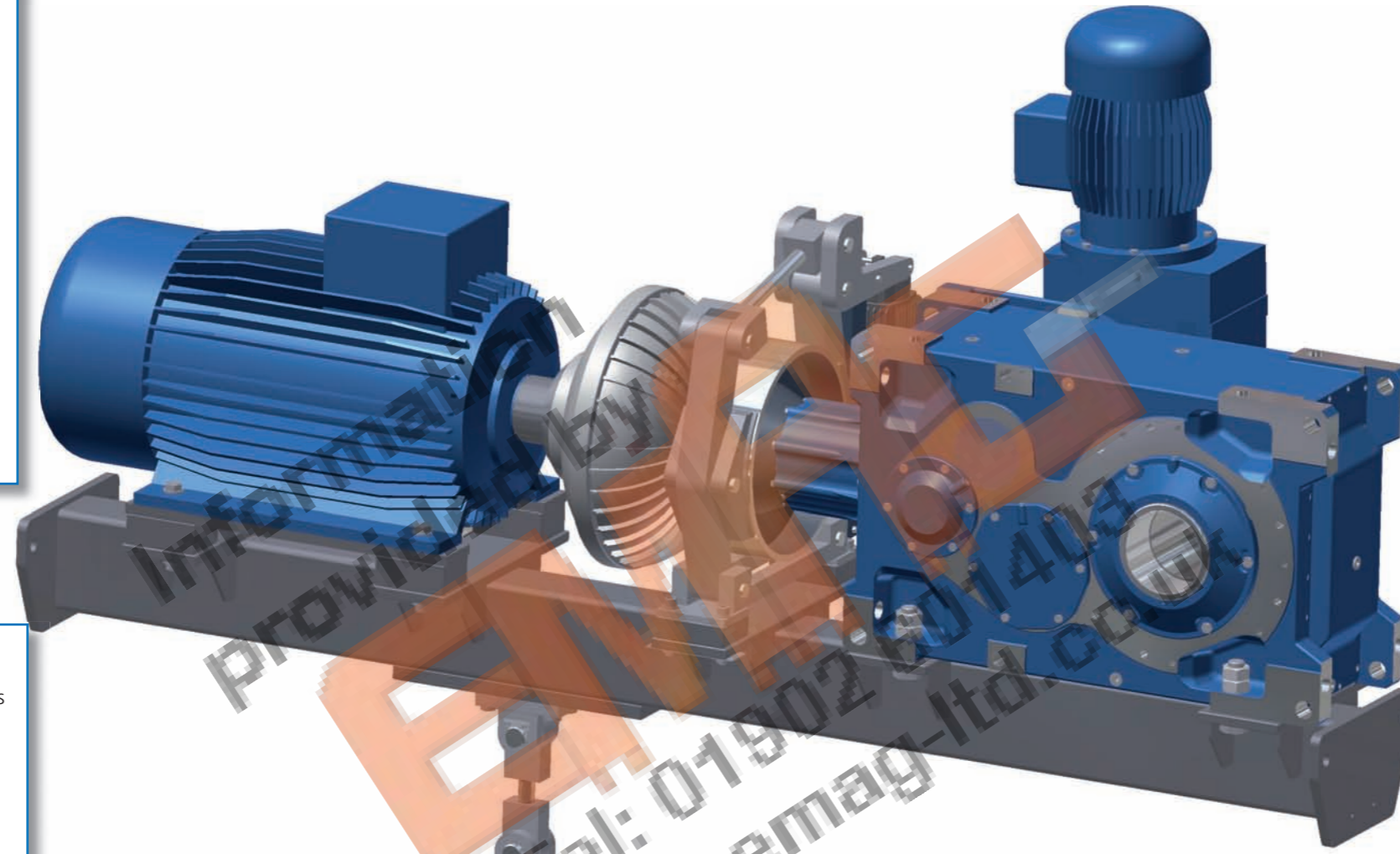
The following measuring devices are available as options

- ✓ Oil inspection glass
- ✓ Oil level glass
- ✓ Oil dipstick
- ✓ Pt 100 (Temperature)
- ✓ Temperature sensor, PTC resistor
- ✓ Temperature monitor, bimetal switch
- ✓ Particle counter (oil)
- ✓ Water content (oil)
- ✓ Electrical contamination indicator for oil filter
- ✓ Visual contamination indicator for oil filter
- ✓ SPM nipple (vibrations)
- ✓ Bearing condition monitor with evaluation unit
- ✓ Pressure monitoring (oil circulation)
- ✓ Special requirements on request

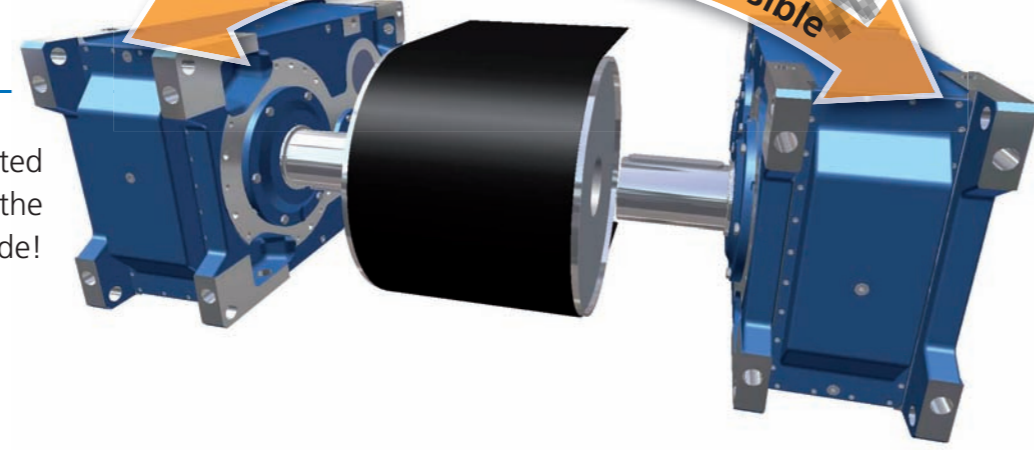
## Sealing systems

Sealing options are available

- ✓ Single seal NBR/FKM
- ✓ Double seal NBR/FKM
- ✓ Dust protection seal
- ✓ Taconite seal  
(labyrinth seal, can be re-lubricated)
- ✓ Gamma ring seal, dust protection
- ✓ Special requirements on request



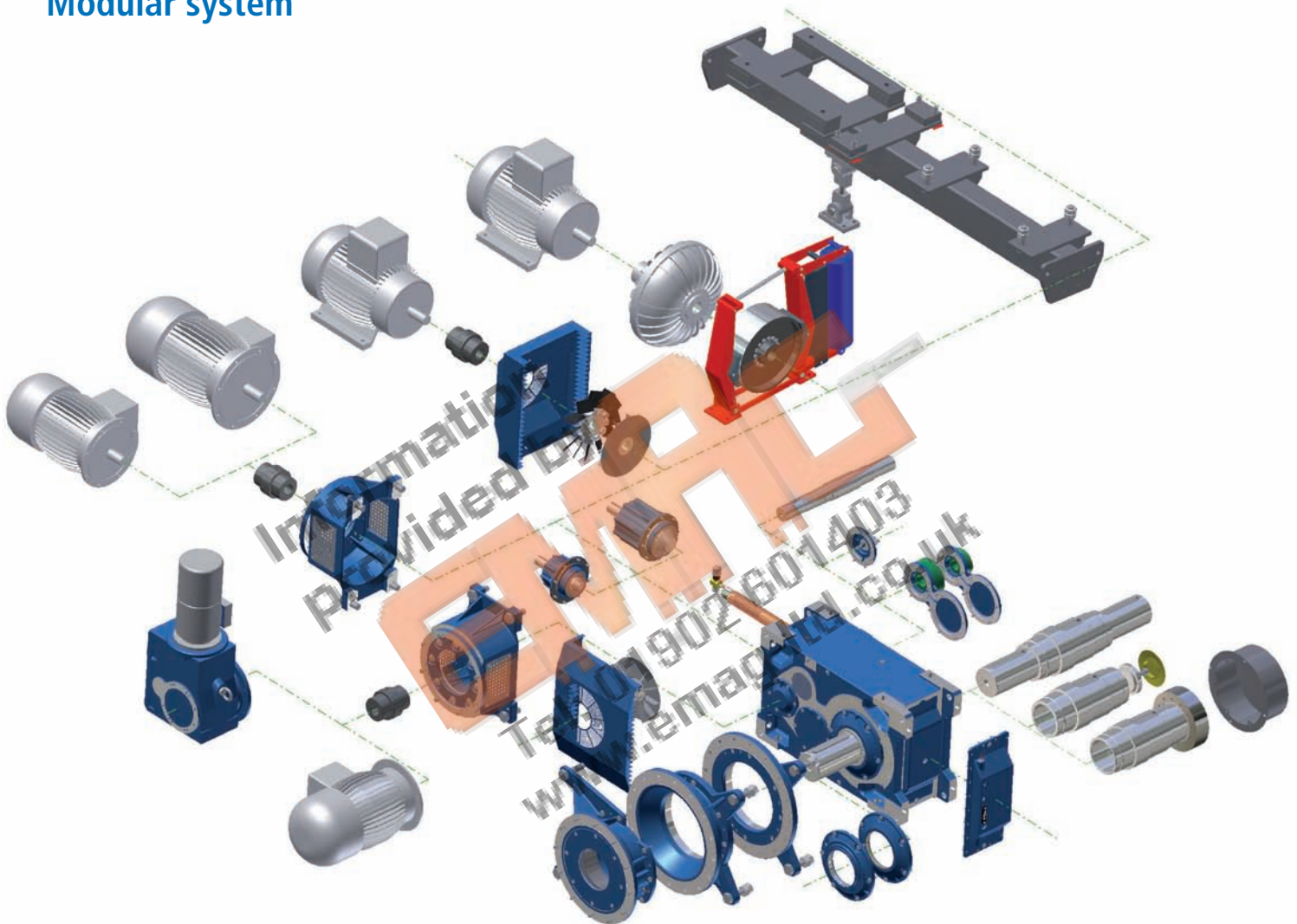
Mirror-image installation possible



All gears can be mounted either on the left or on the right side!

In addition to positive parallel key fitting, the gear wheels in the gear unit also have a press-fit between the shaft and the hub. Usually, shaft sealing rings made from NBR are used. As an option, the use of shaft sealing rings made from FKM (Viton) is possible. For special ambient conditions, other sealing systems such as gamma-ring seals, labyrinth seals and Taconite seals are available. If these sealing systems are not sufficient, please contact us.

## Industrial gear units Modular system

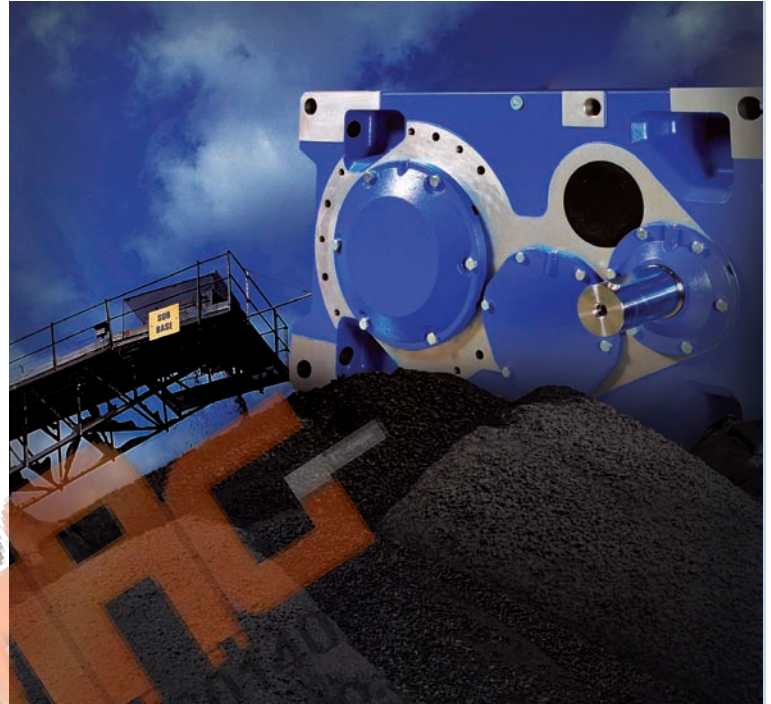


NORD industrial gear units have been developed according to the tried-and-tested unicas housing principle. The unicas is a one-piece housing, into which all the bearings are integrated. The finishing of this unicas is carried out with a unique jig, on state-of-the-art CNC machines. The unicas concept features highest levels of precision, rigidity and strength. There are no dividing seams between the drive and the gear unit housing which are subjected to transverse forces or torque. The unicas principle allows the shaft axes to be staggered, resulting in a more compact design which allows the use of larger roller bearings to guarantee a long operating life.

# The new NORD Industrial gear unit series

## Main Applications

- ✓ Material handling  
(belt, apron, bucket, screw, chain conveyor, etc.)
- ✓ Stacker and Reclaimer machinery
- ✓ Mining industry
- ✓ Paper industry
- ✓ Lumber industry
- ✓ Agitators
- ✓ Steel industry
- ✓ Sugar industry
- ✓ Sewage treatment
- ✓ Pumps
- ✓ Chemical Industrie
- ✓ Cranes and Hoists

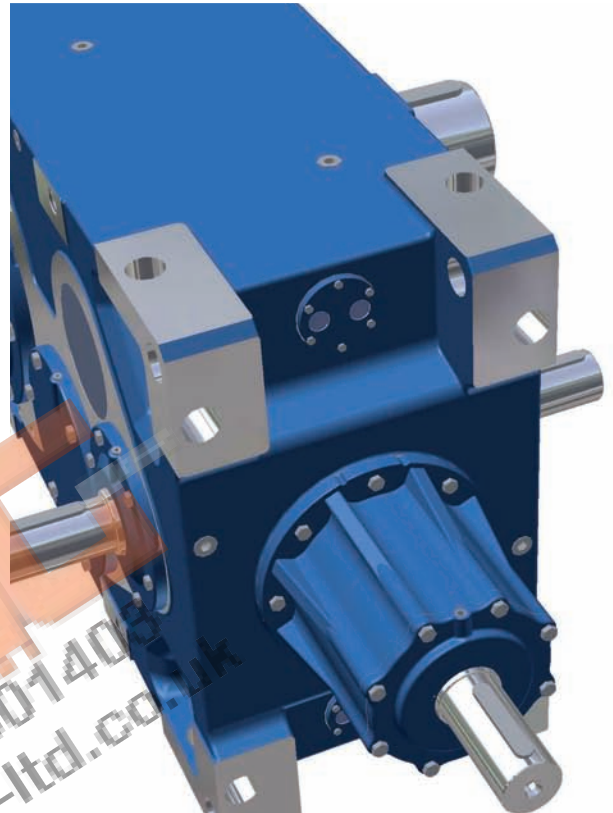
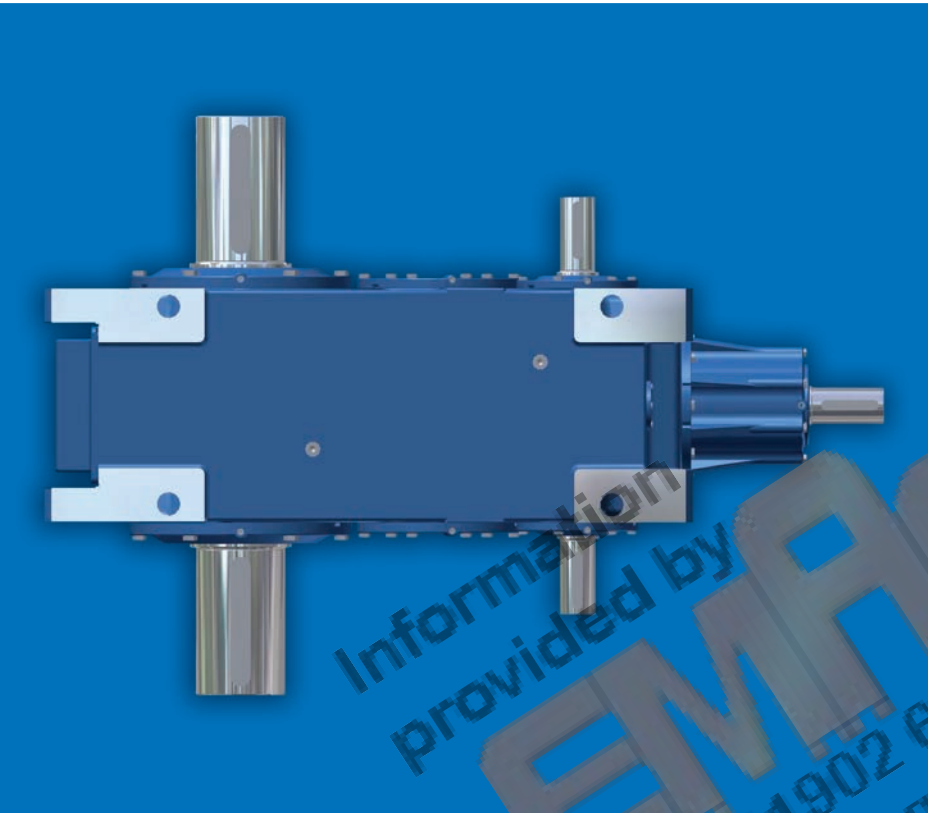


200.000 Nm

135.000 Nm

90.000 Nm

60.000 Nm



Flexibility through many shaft configuration options



Getriebebau NORD GmbH & Co. KG  
Rudolf-Diesel-Str. 1  
D - 22941 Bargteheide  
Fon +49 (0) 4532 / 401 - 0  
Fax +49 (0) 4532 / 401 - 253  
info@nord.com  
www.nord.com



Mat.-Nr. FT050 / 6021401 / 0309