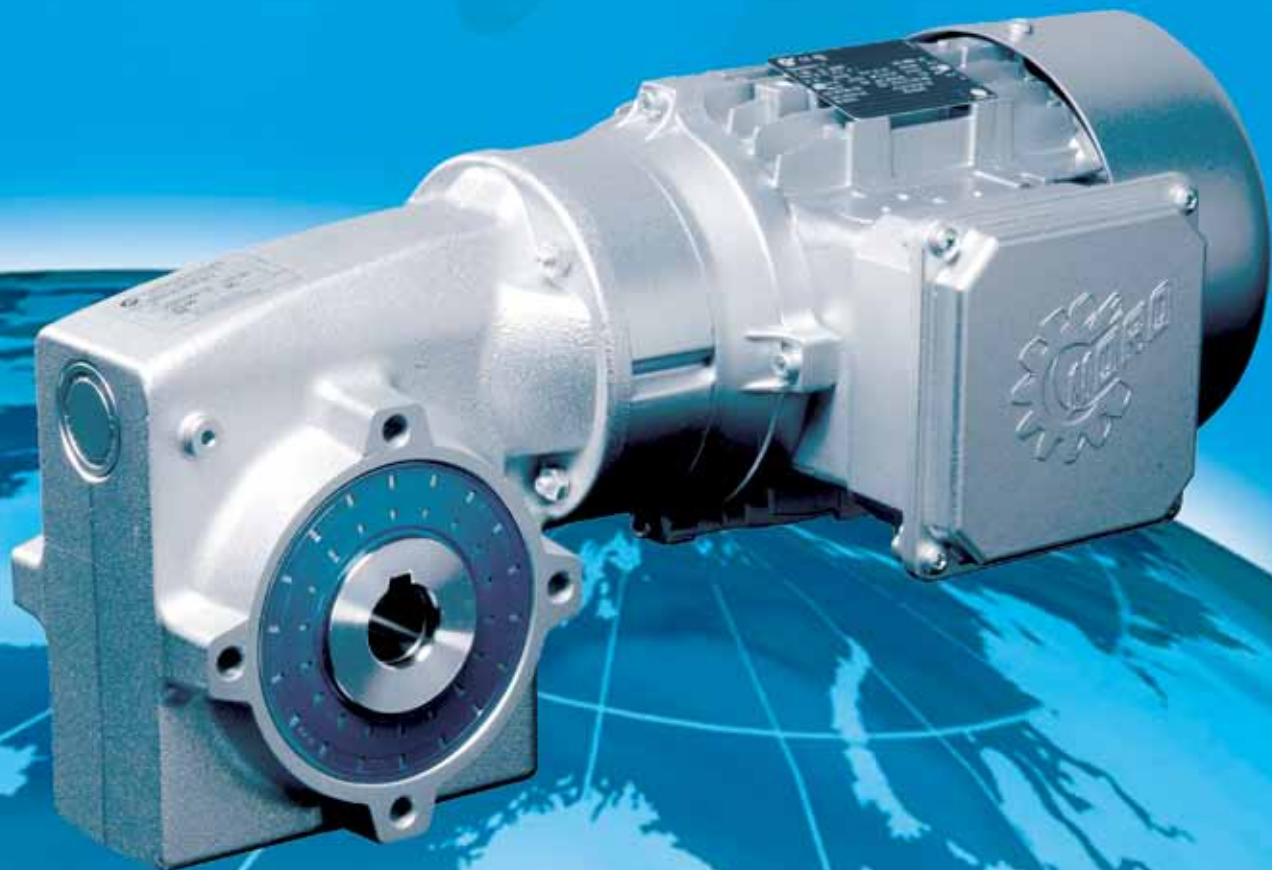


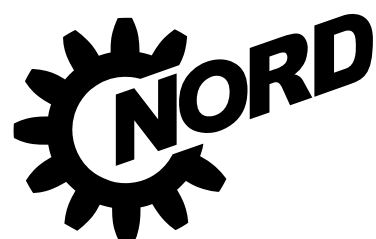
Intelligent Drivesystems, Worldwide Services



GB

## SMI worm gear unit

For greater flexibility and an increased range of applications



DRIVESYSTEMS

# Greater flexibility and an increased range of applications



## Advantages

- A larger selection of shaft diameters provide greater flexibility for customers.
- On the drive side, IEC adapters provide several standard interfaces for all sizes of gear unit. Even NEMA adapters for NEMA motors are possible.
- Operation as a double gear unit is also possible for very high ratios.
- Thanks to die-casting, the improved surface structure with low levels of roughness gives dust less chance to adhere (Washdown-proof).
- Thanks to the large selection of modular system components, gear units can be optimized to requirements
- .W-cylincder



## Features

- Die-cast aluminium with smooth surfaces especially suits applications in the food and beverage industry.
- Gears and shafts from the tried-and-tested FLEXBLOC modular system
- New size SMI75 up to 427 Nm
- Options and connection dimensions of the modular FLEXBLOC modular system.

SMI worm gear unit (Catalogue G1000)	
✓ Smooth surfaces	
✓ Lifetime oil filling	
✓ IEC version	
✓ Unicase	
Sizes	5
kW	0.12 - 0.4
Nm	21 - 427
i	5.00:1 - 3,000.00:1



SMI worm gear units provide high power transfer in a very small space and feature low-noise torque transfer. Thanks to their simple and effective structure they take up considerably less space than other types of gear unit.

### Modular and flexible

- Use of different motors with IEC adapters
- SMI flange housing can be combined with all SI series flanges
- Optimised NORD gear unit modules
- Standard IEC B5 / B14 interfaces for all sizes of gear unit

**nsd** **tupH**

### Sealed Surface Conversion System

- Excellent corrosion protection
- No coating



### Versatile application

- Smooth die-cast aluminium - washdown-proof
- Can be used in ATEX areas
- A larger selection of shaft diameters
- New size SMI 75

### The UNICASE concept

A closed housing manufactured from a single block combines all the elements of the gear unit. NORD DRIVESYSTEMS is the only manufacturer producing modular industrial gear units with output torques of up to 229,000 Nm in a one-piece unicast housing.

- A single housing that integrates all bearings
- Complete machining in one step
- High output torques
- High axial and radial loads
- Greater reliability
- Long service life
- Quiet running



Light, powerful and washdown-proof: SMI worm gear units in Washdown version with nsd-tupH treatment and smooth washdown motor.



[www.nord.com/locator](http://www.nord.com/locator)

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