



## FLENDER TÜBINGEN gear motors for airport logistics

With its **MOTOX<sup>®</sup>-N** product series **FLENDER TÜBINGEN** offers solutions for applications in all areas of airport technology. **MOTOX<sup>®</sup>-N** gear motors stand for high operational reliability and thus high availability and easy maintenance and enable an optimum cost-benefit ratio to be achieved in airport logistics.

Our new-generation modular system enables flexible adaptation to the most varied conditions. It comprises the MOTOX<sup>®</sup>-N gear unit series, MODULOG<sup>®</sup> flange-mounted motors, the MOTOX<sup>®</sup> MASTER motor-integrated frequency inverter, the MOTOX<sup>®</sup> Drive frequency inverter and axial motors.

### Outstanding features of the MOTOX<sup>®</sup> product series

low-noise design

very long service life  
(up to 50.000 operating hours)

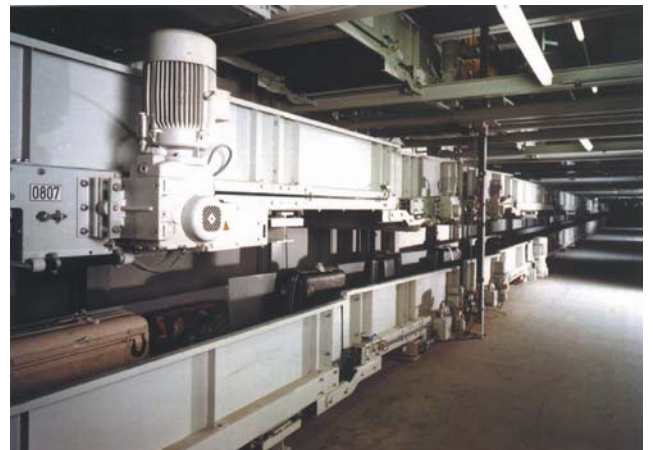
high switching frequency  
(low mass moments of inertia)

high efficiency thanks to use of  
bevel-helical and helical gear  
motors

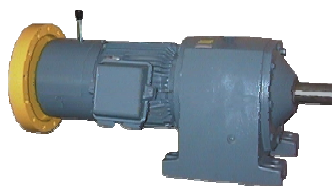
worm helical gear motors are  
also used

low service requirement and  
short disassembly and assembly  
times thanks to use of hollow  
shaft gear units with shrink  
disk, torque arm and Harting  
connector

Motor protection by PTC or WT  
efficiency-optimised motors with  
low energy consumption



Cargo and luggage conveyor technology featuring a bevel helical gear motor with torque arm, hollow shaft with shrink disk and Harting connector



Escalators with Flender helical gear unit and brake motor



Height adjustment

Flange-mounted Helical gear unit with brake motor in vertical design.

Example: DF88-A112MA4-L32N

Cabine:

torque motor to keep contact with the aircraft.

Example: Z38-M1B8U

or conventional three-phase brake motor

Horizontal and rotational movements:

Helical gear unit with brake motor up to 3.000 Nm

Example: D108-G132S4-L80/50N



Boarding bridge



Check-in with Flender drum motors