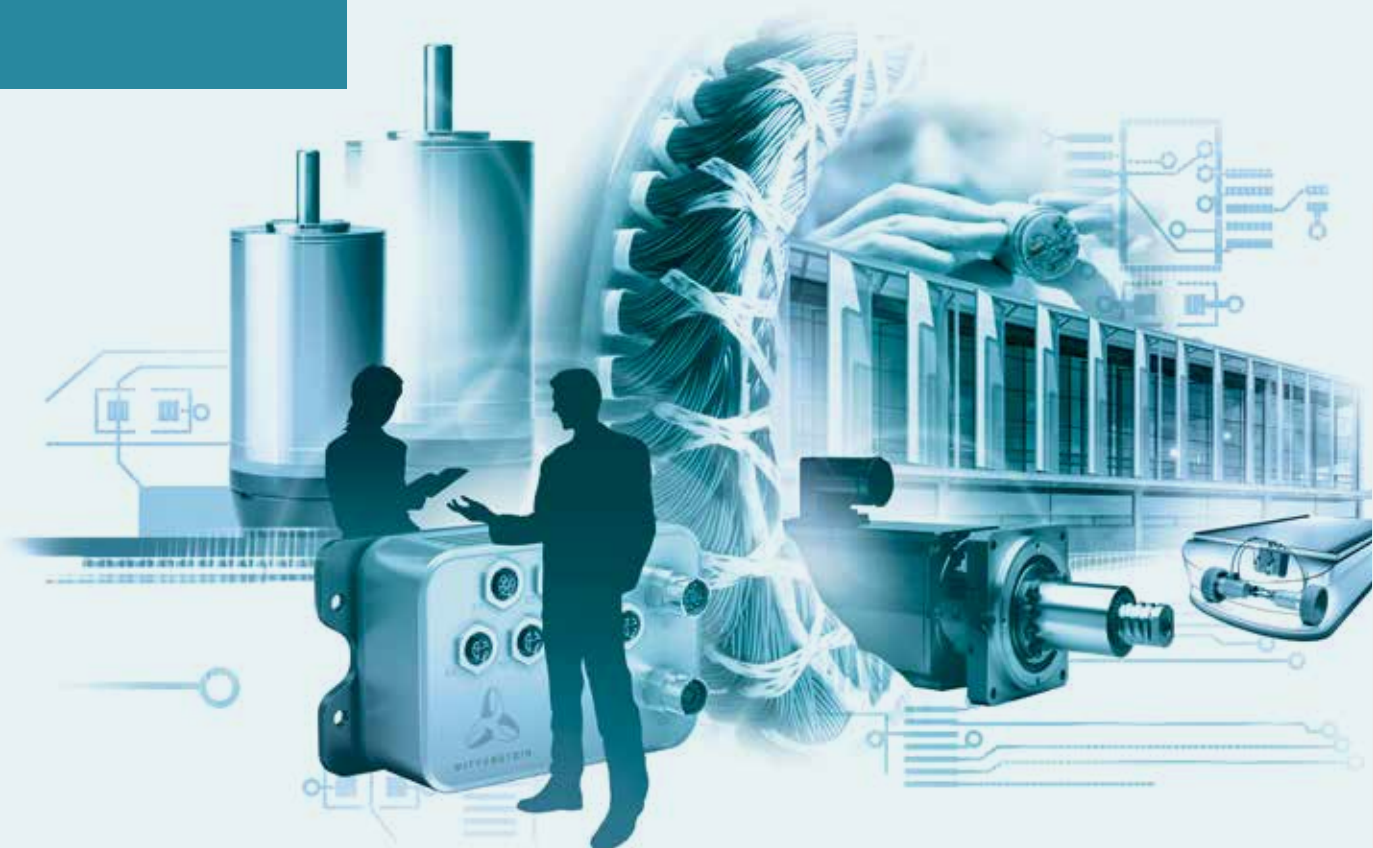


## Products and Solutions

Servo motors  
Drive electronics  
Drive systems



## Comprehensive product expertise

- Rotary and linear servo motors and servo actuators
- Drive electronics
- Mechatronic drive systems

## Customized solutions

- Customized solutions with maximum customer benefits
- We act holistically and are eager to explore new possibilities
- From conception and development through production and qualification to series delivery

## Development and production in Germany

- Strong development team with profound competencies
- High level of vertical integration, including in-house winding room and certified test benches
- Premium quality based on innovative, controllable processes

Servo motors



Drive electronics

## WITTENSTEIN – Products that know no limits

Packaging



Pharmaceuticals and Food

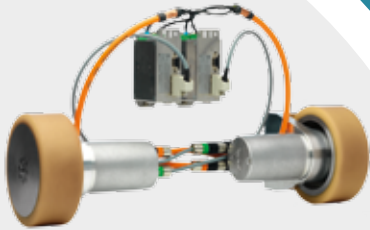


Assembly and Measurement Technology



Handling and Robotics





Mechatronic systems

## Competent project management

- Preparation of feasibility studies for complex motion tasks
- Defined product development process supervised by certified project managers
- Certified according to DIN EN ISO 9001

## From standard industry to harsh environmental conditions

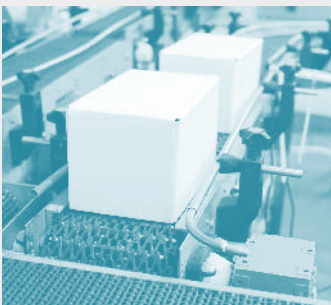
- High and low temperatures
- Radioactivity
- Vacuum
- Pressure
- Explosive atmospheres
- Clean room

## Testing, approval and certification

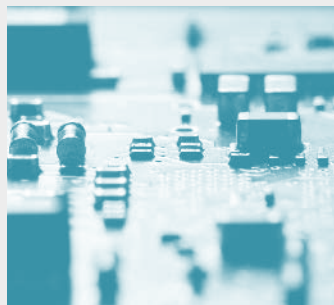
- CE
- UL
- IECEx (ATEX)
- EHEDG



Intralogistics



Semiconductor /  
Electronics production



Electromobility



Oil and Gas exploration



# Rotary synchronous motors and actuators



## cyber® dynamic line

Small servo motors with the highest dynamics  
dynamic – high torque – efficient



## cyber® kit motors

Frameless servo motors  
compact – dynamic – highly integrable



## cyber® power motors

Motors with the highest power  
powerful – efficient – easily maintained



## cyber® torque motors

Motors with the highest torque  
high torque – compact – long life



## cyber® special motors

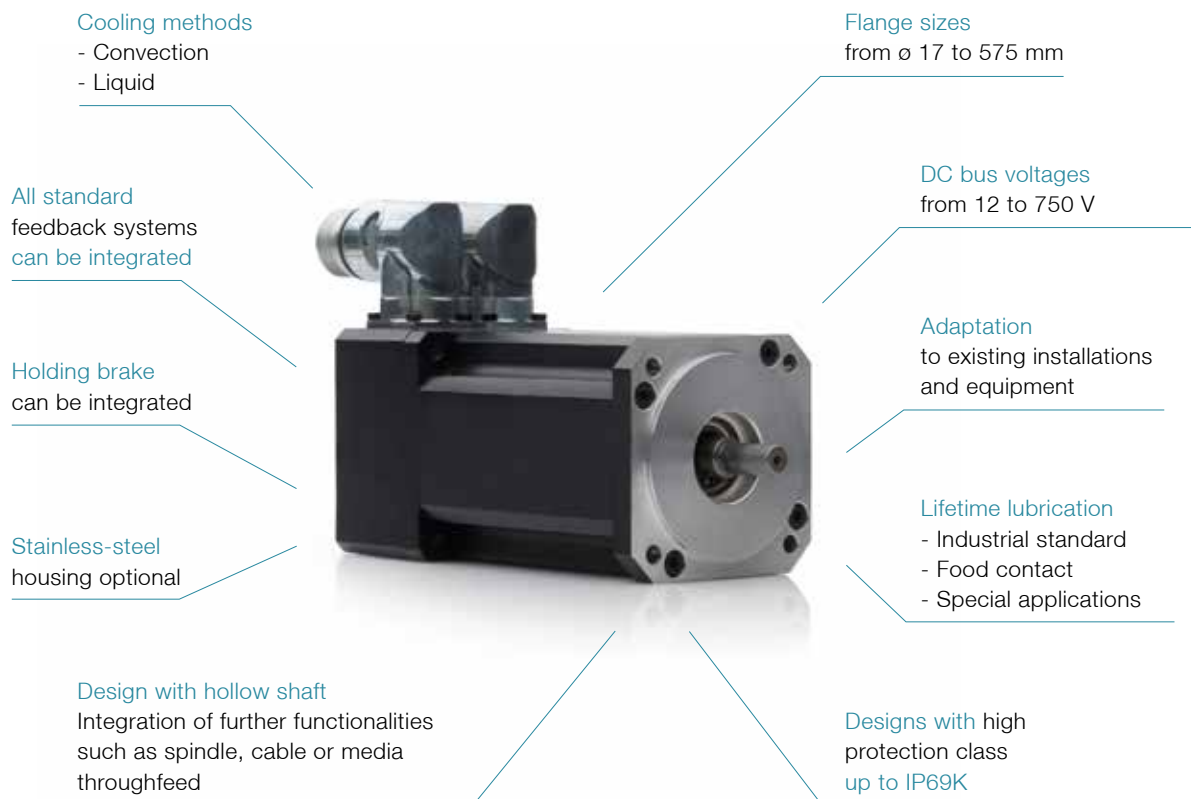
Motors for extreme environments  
customer oriented – application specific

## Your benefits

**Profit from our optimized solutions with maximum torque density and dynamics combined with minimum size.**

**Choose the design scope from a wide product range based on your needs.**

**Reduce your system operating costs through maximum efficiency.**



# Linear synchronous motors and actuators



## cyber® linear motors

Motors with direct linear movement  
dynamic – wear free – exact



## cyber® force motors

Motors with integrated spindle  
reliable – compact – precise



## cyber® dynamic line with spindle

Small servo motors with integrated spindle  
dynamic – high torque – efficient



## cyber® special motors

Motors for extreme environments  
customer oriented – application specific

## Your benefits

**Reduce your installation space through power-dense motors with a fully integrated spindle.**

**Profit from high reliability and long lifetime through precise and rigid spindles of the highest quality.**

**Increase your output through shorter cycle times.**

**Take advantage of the benefits of reproducible, fully automated processes through precise control.**

Fully integrated  
motor, spindle and feedback system

All standard  
feedback systems  
can be integrated

Holding brake  
can be integrated

Anti-rotation  
mechanism  
can be integrated

Cooling methods  
- Convection  
- Liquid

Maintenance-free design  
using automatic lubrication  
optional

Flange sizes  
from  $\varnothing$  17 to 300 mm

DC bus voltages  
from 12 to 750 V

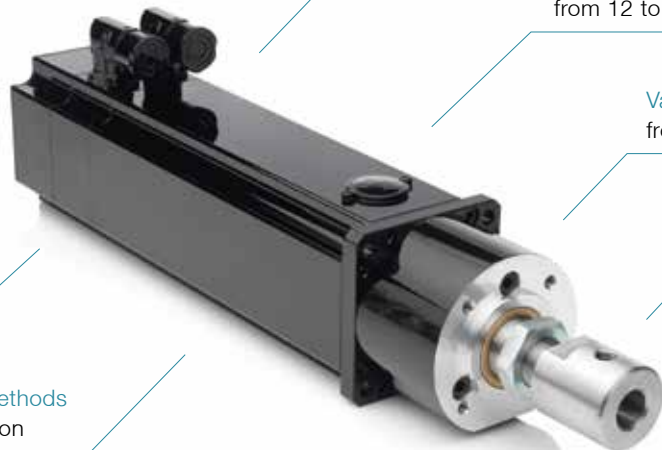
Variable stroke  
from 20 to 400 mm

Variable tool holder  
design

Positioning accuracy  
down to 0.01 mm

Repeatability  
of 0.01 mm

Protection class  
IP54 to IP65



# Servo drives



## simco® drive

Servo drives with maximum connectivity  
intelligent – connective – reliable



## POWER-IQ drives

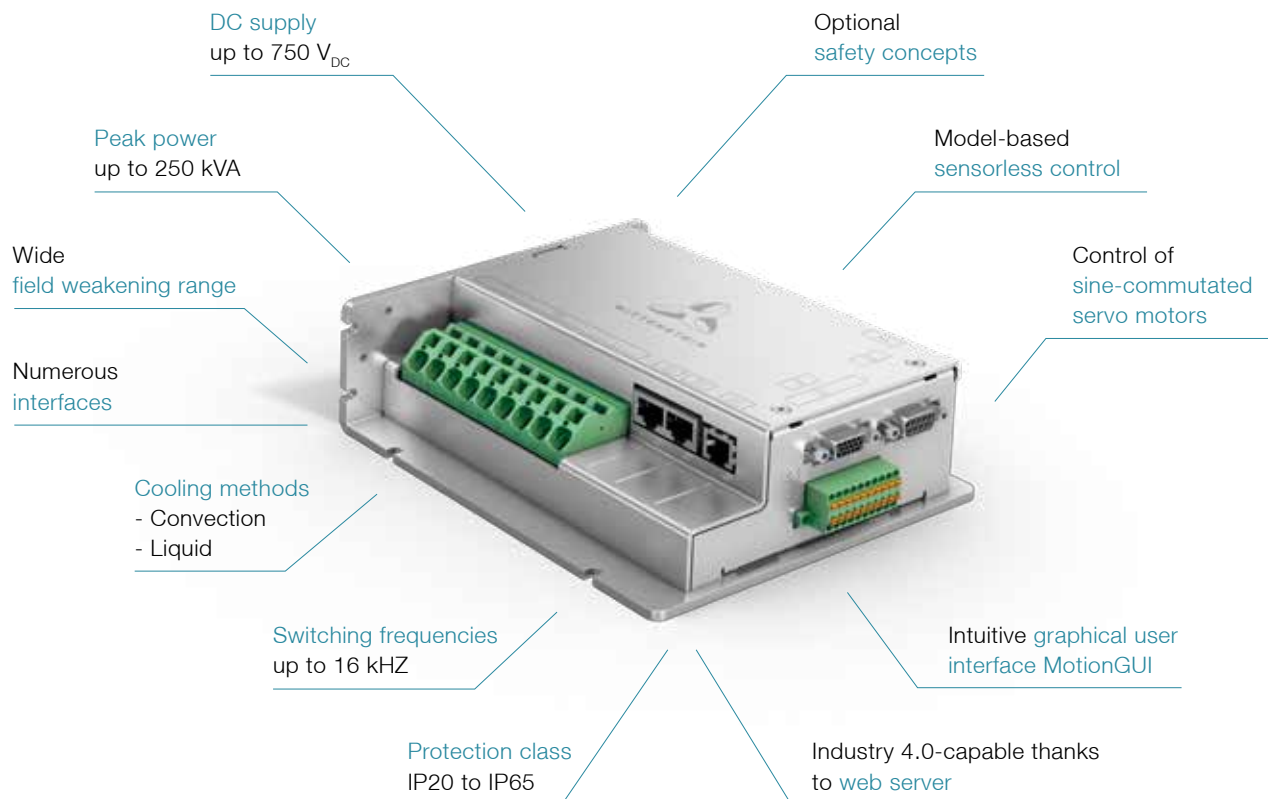
Servo drives with maximum power density  
compact – powerful – intelligent

## Your benefits

**Reduce your installation space through compact servo drives with maximum power density.**

**Take advantage of the benefits of a precise control with the highest dynamics.**

**Profit from easy integration into the existing automation solution through various real-time-capable interfaces.**

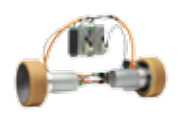


# Servo drive systems



## cyber® dynamic line & simco® drive

Industrial small servo drive system  
connective – compact – dynamic



## iTAS®

Servo drive system for  
Automated Guided Vehicles  
interactive – intelligent – individual



## ternary®

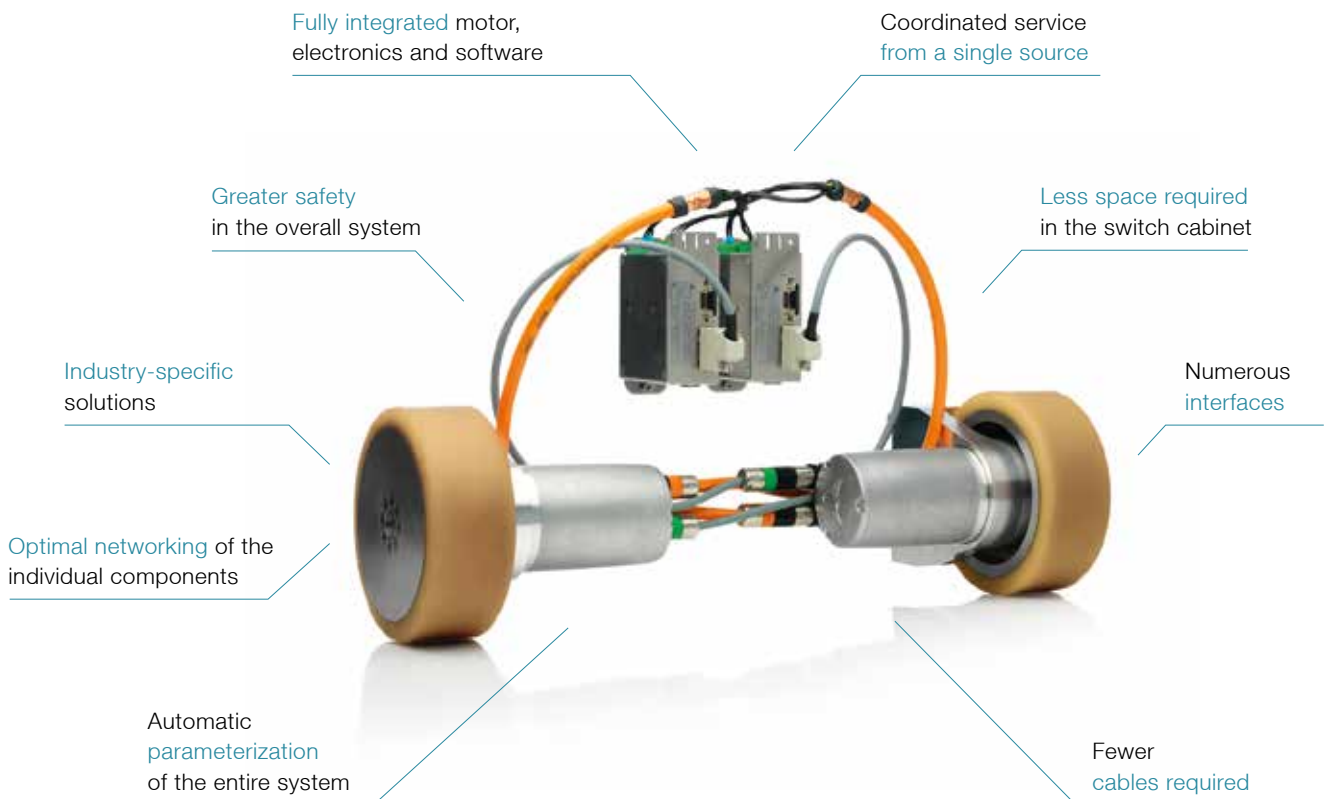
Servo actuators with integrated electronics  
intuitive – integrated – flexible

## Your benefits

**Take advantage of the benefits of fully integrated mechatronic servo drive systems.**

**Implement solutions with the highest power density in the smallest installation spaces.**

**Eliminate unnecessary components and costly cabling.**





cyber motor

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**WITTENSTEIN – one with the future**

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