



WITTENSTEIN

cyber motor

## Small servo drive system setting new standards

connective  
dynamic  
compact



A plus  
in performance:

small servo drive system  
redefined.

### Connectivity

Multi-Ethernet version for maximum flexibility and a variety of real-time capable fieldbus interfaces

### Flexibility

Modular principle enables solutions for a wide range of applications



## Compactness

Size of the second generation servo drives reduced by approx. 30 %



## Precision

Outstanding high-precision control thanks to the use of absolute encoders with a resolution of 12 bits in conjunction with a high current resolution of 14 bits

## Dynamics

Realization of short cycle times thanks to inertia-optimized motors, decentralized control intelligence and high overload capability

# Nearly endless possibilities

The second generation of WITTENSTEIN cyber motor's industrial small servo drive system guarantees a plus in performance in terms of connectivity, compactness and configurability:

Particular highlights are the cyber® simco® drive 2 servo drives.

They are up to 30 % more compact than their predecessors and offer maximum connectivity with their Multi-Ethernet-Interface. They also feature real-time CIP Sync functionality, decentralized intelligence and STO safety function. The new servo drives have also made it possible to realize the cyber® dynamic system. The motor-integrated design convinces through the decentralized intelligence directly on the axis and saves space in the cabinet. The servo motors of the cyber® dynamic line and the cyber® dynamic system are now optionally available with a multiturn encoder (size 32/40), holding brake (size 40), gearbox or ball screw drive.

This creates new freedom in your machine design.

Discover more about the second generation of the small servo drive system.



## Connection to controller

5 Fieldbus interfaces

**CANopen**

**EtherNet/IP**



**sercos**  
the automation bus

**EtherCAT**

**PROFI**  
**NET**

# cyber<sup>®</sup> power supply

## 3 Power classes



24-55 V<sub>DC</sub>

120-1440 W

## 2 Designs



Single-phase power supply

Three-phase power supply

# cyber<sup>®</sup> simco<sup>®</sup> line

## 3 Performance classes



250 W–5 kW

## 2 Designs



IP20



IP65

## 3 Encoders interfaces

EnDat 2.2

Resolver

BISS C

## cyber<sup>®</sup> dynamic line

4 Sizes



17–40 mm

3 Designs



Standard Design



Inox Design



Hygienic Design  
(size 40)

3 Encoders

Incremental encoder

Absolute encoder Singleturn

Absolute encoder Multiturn (size 32/40)

## cyber<sup>®</sup> dynamic system

1 Drive system



IP65

300 W

Motor size 40

2 Encoders

Absolute encoder Singleturn

Absolute encoder Multiturn

## Options

### 2 Planetary gearboxes



GCP-Gearbox  
1-3-stage



NP-Gearbox  
1-2-stage

### 4 Linear drive units

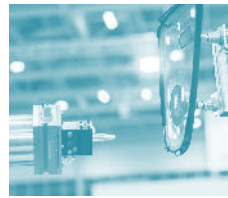


Ball screw drive  
(short and long stroke)

### 1 Brake

Holding brake  
(size 40)

# Excellent solutions for complex motion tasks



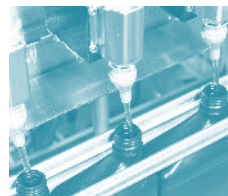
#### Bonding and Dispensing

Brushless servo motors with the highest reliability for challenging and precise bonding and dispensing systems.



#### Positioning

Highly dynamic and precise positioning of sensitive components.



#### Filling

Precise filling with servo motor-controlled filling valves through flexible control of the filling volume.



#### Gripping

Servo electric grippers with high power density and minimal weight for sophisticated pick & place applications.



#### Measuring and Testing

Low-noise and reliable drives for innovative measurement and testing solutions to set industrial standards.

## Discover the WITTENSTEIN Service Portal for yourself

The WITTENSTEIN Service Portal supports you throughout the entire life cycle of your WITTENSTEIN product – from installation to drive replacement. You will receive the relevant and current product information and documentation for your product, as well as a dedicated point of contact.

[www.wittenstein.de/service-portal-en](http://www.wittenstein.de/service-portal-en)





cyber motor

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**[www.wittenstein-cyber-motor.de](http://www.wittenstein-cyber-motor.de)**