



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.



## Interfaces

5 Fieldbus interfaces








1 Industry 4.0 interface



## Accessories

cyber® power supply



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

120-1440 W

1-/3-phase power supply

cyber® distribution box



Distribution box up to 6 axes

IP65

## cyber® simco® line

4 Performance classes



750 W – 10 kW

2 Designs



IP20

IP65

6 Encoder interfaces

EnDat 2.2	BISS C
SSI	Resolver
SIN/COS	Incremental (SIM2050/ SIM2100)

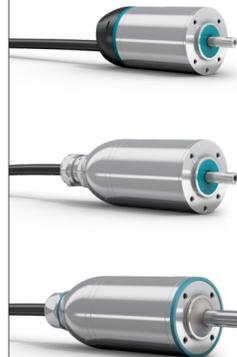
## cyber® dynamic line

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® 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

WITTENSTEIN cyber motor GmbH · Walter-Wittenstein-Straße 1 · 97999 Igersheim · Germany  
Tel. +49 7931 493-15800 · [info@wittenstein-cyber-motor.de](mailto:info@wittenstein-cyber-motor.de)

WITTENSTEIN Inc. · 1249 Humbracht Circle · Bartlett, IL 60103 · USA  
Tel. +1 630 540 5300 · [info@wittenstein-us.com](mailto:info@wittenstein-us.com)

WITTENSTEIN S.P.A. · Via Giosuè Carducci 125 · 20099 Sesto San Giovanni MI · Italy  
Tel. +39 02 241357-1 · [info@wittenstein.it](mailto:info@wittenstein.it)

WITTENSTEIN Co., Ltd. · 2-6-6 Shibadaimon Minato-ku · 105-0012 Tokyo · Japan  
Tel. +81 3 6680 2835 · [sales@wittenstein.jp](mailto:sales@wittenstein.jp)

WITTENSTEIN Ternary Co., Ltd. · 99-5 Kosato · Ueda · 386-0005 Nagano · Japan  
Tel. +81 268 29 4620 · [info-ternary@wittenstein-ternary.jp](mailto:info-ternary@wittenstein-ternary.jp)

WITTENSTEIN (Hangzhou) Co., Ltd. · No. 355 Tianmushan West Road · 311122 Hangzhou · China  
Tel. +86 571 8869 5852 / 5851 · [info@wittenstein.cn](mailto:info@wittenstein.cn)

**WITTENSTEIN – one with the future**

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