



WITTENSTEIN

cyber motor

Small servo drive system setting new standards

connective
dynamic
compact



A plus
in performance:

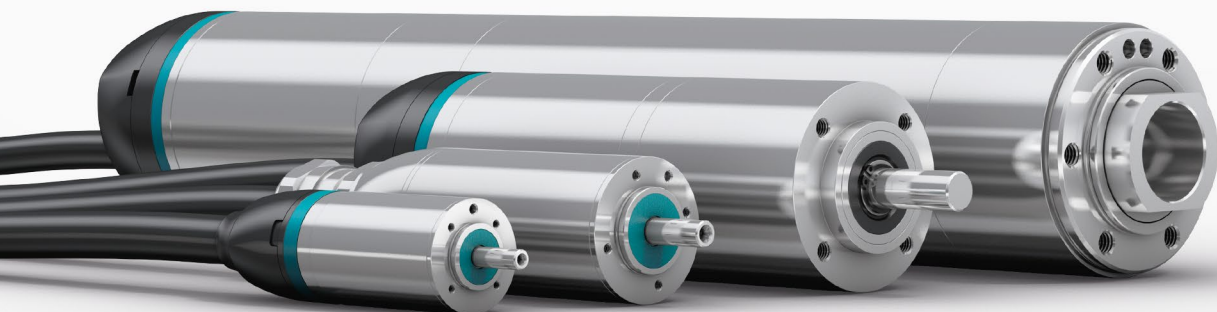
small servo drive system
redefined.

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.

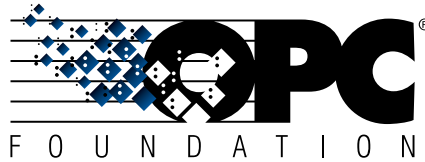


Interfaces

5 Fieldbus interfaces



1 Industry 4.0 interface



Accessories

cyber® power supply



24-55 V_{DC}

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

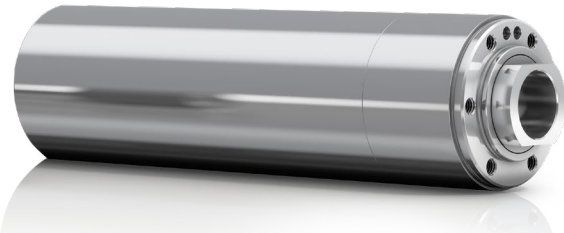


GCP-Gearbox 1–3-stage



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



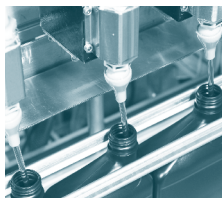
Bonding and Dispensing

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



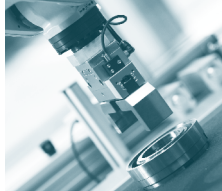
Positioning

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





cyber motor

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

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

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

WITTENSTEIN Co., Ltd. · 2-6-6 Shibadaimon Minato-ku · 105-0012 Tokyo · Japan
Tel. +81 3 6680 2835 · 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

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

WITTENSTEIN – one with the future

www.wittenstein-cyber-motor.de