



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™

CIP Sync™

sercos
the automation bus

EtherCAT®

PROFINET®

cyber® simco® line

3 performance classes



250 W–5 kW

2 designs



IP20



IP65

3 encoder interfaces

EnDat 2.2

Resolver

BISS C

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

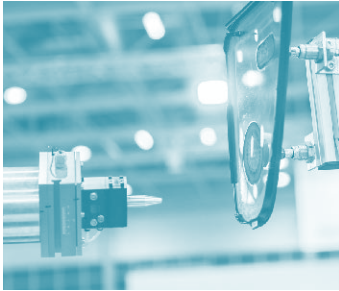


Ball screw drive
(short and long stroke)

1 brake

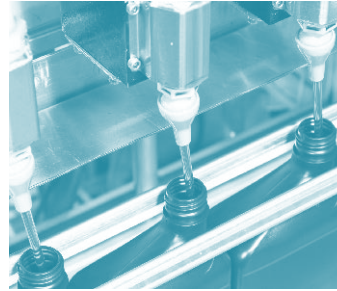
Holding brake
(size 40)

Excellent solutions for complex motion tasks



Bonding and Dispensing

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



Filling

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



Measuring and Testing

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



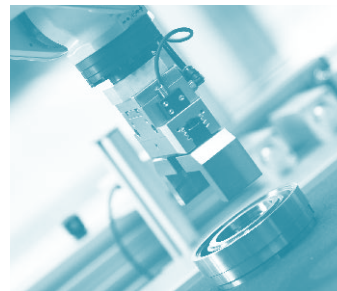
Adjustment

High-precision and dynamic servo motors for an automated and process-monitored format or valve adjustment.



Positioning

Highly dynamic and precise positioning of sensitive components.



Gripping

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

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

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WITTENSTEIN – one with the future

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