

Product announcement

MOVIGEAR®

The mechatronic drive system



MOVIGEAR®

In many industries, such as the automotive, food and beverage industries, airport logistics or general transport logistics, the demands on materials handling systems are becoming both more exacting and more specific. At the same time, less installation space is available for accomplishing these tasks. As a result, SEW-EURODRIVE decided to research and develop an optimum application solution to suit these criteria. The result is the mechatronic drive system MOVIGEAR®. It has a favorable, compact design and is ideal for **planning efficient materials handling systems**.

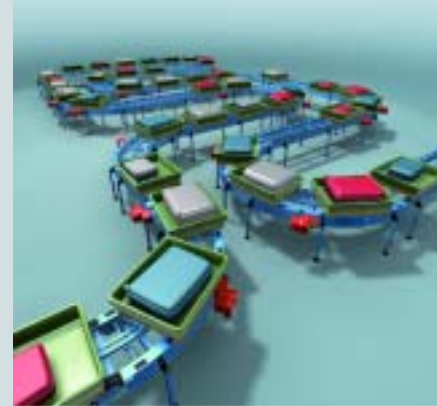
The housing has been optimized specifically for these types of applications and can easily be integrated in today's conveyor systems. It also enables **new developments to be implemented from a completely new perspective**. This aspect of high break-away torque and acceleration torque after longer system downtimes can be mastered without any limitations.

The power required to drive the system can be reduced significantly.

MOVIGEAR® is the next logical step in the development of the economic and technically-successful concept of **decentralized drive systems**.

Mechatronic drive system comprising motor, gear unit and electronics: A systematic development approach was taken right from the design phase. MOVIGEAR® impresses with its high level of system efficiency, which in turn helps **lower the energy costs**. The integration and coordination of all the drive components leads to a long service life and **high system availability**.

MOVIGEAR® is an intelligent system with its own control concept. Its high-quality networking features help **reduce the startup time** and **support the monitoring and maintenance tasks**. Drive tasks can be solved quickly and easily using the corresponding application software.



Installation variants

The compact, mechatronic drive system MOVIGEAR® will be available in 3 design variants. The variants are designed around different installation concepts for optimum integration in application topologies.

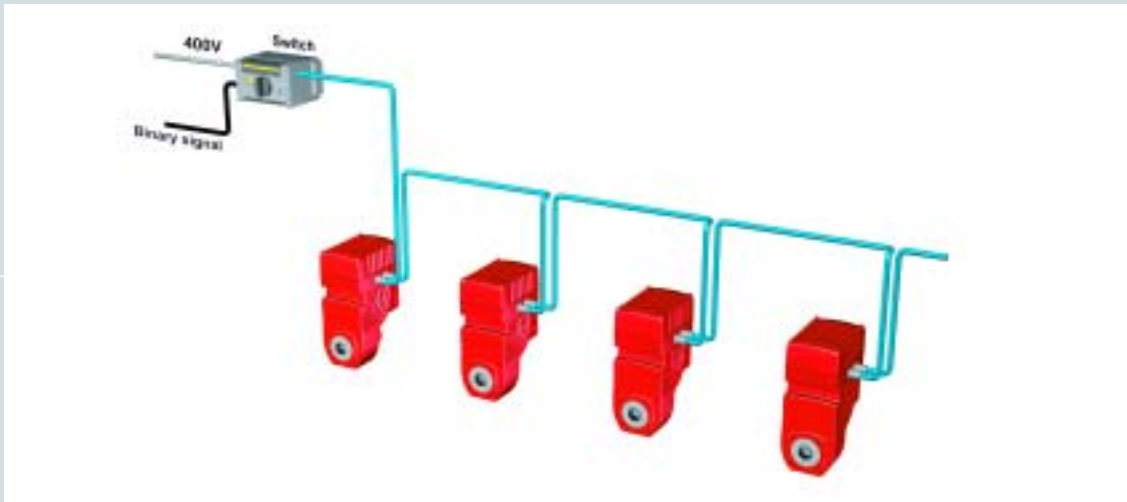
Principle of single line installation:

Only one cable has to be installed for energy and information transfer.

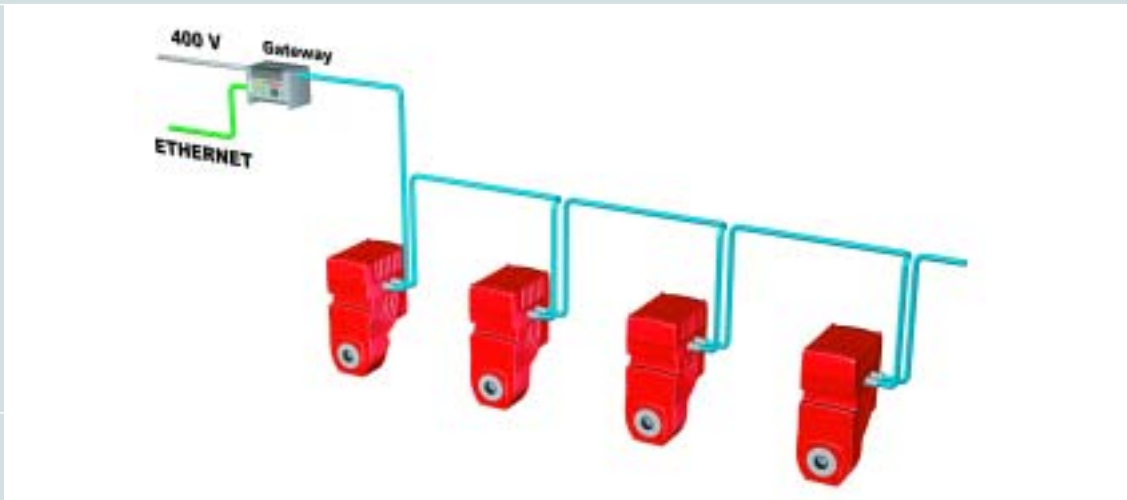
Special features of the installation variants

MOVIGEAR® SBI Single line basic installation	<ul style="list-style-type: none">– Group control– Straightforward installation– Simple functions<ul style="list-style-type: none">- on/off- CW/CCW- fast/slow– Simple integration in existing topologies
MOVIGEAR® SNI Single line network installation	<ul style="list-style-type: none">– Single control– Reduction in the number of components– Bus lines do not have to be routed in the field– No risk of hidden faults in the bus cabling– Reduced startup times– Shorter project runtimes/lower project costs
MOVIGEAR® SCI Single line contactless installation	<ul style="list-style-type: none">– Single control– Energy supply and control free from cable entries– Installation without having to open the unit; guarantees good sealing properties– Integrated disconnection functionality; no need for additional maintenance switches– Components can be replaced quickly and easily– Isolated energy supply simplifies the grounding concepts

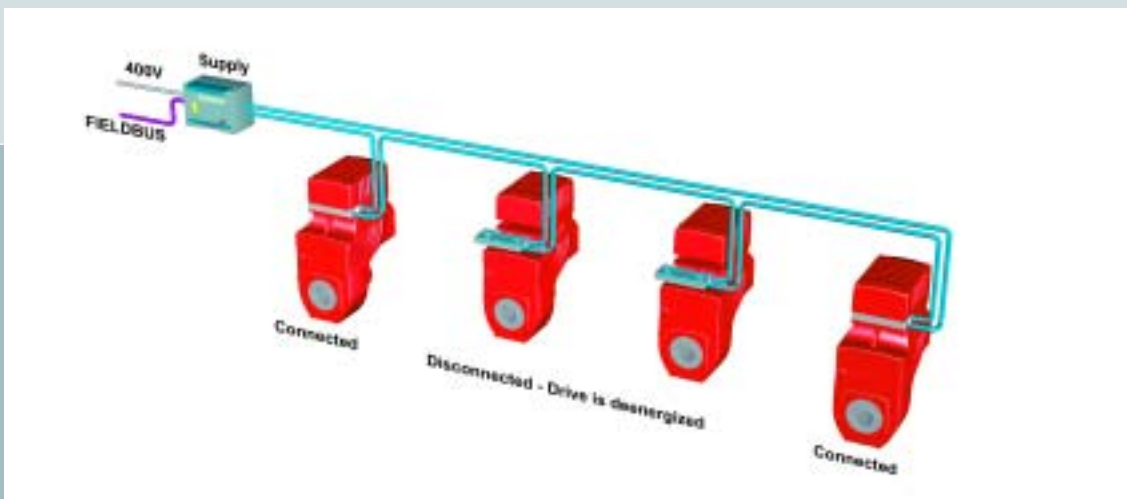
MOVIGEAR® SBI single line basic installation



MOVIGEAR® SNI single line network installation



MOVIGEAR® SCI single line contactless installation



MOVIGEAR® im Überblick:

	MOVIGEAR® Single line installation
Sizes	MGF2 with up to 200 Nm MGF4 with up to 400 Nm
Characteristics	<ul style="list-style-type: none"> – Compact design: Motor, gear unit and electronics are combined in one mechatronic drive system – Principle of single line installation: Only one cable has to be installed for energy and information transfer – Simplified system planning and design – Number of variants can be reduced: <ul style="list-style-type: none"> - Development and design of standard materials handling systems with ready-made and tested standard modules - The power of the drive engineering components has been optimized to suit the application – Lower storage costs – High degree of protection – Hygienic surface design for applications in the hygiene area – Low noise emissions due to operation without fans (suitable for use at manual work stations) – No air, dirt and bacteria distribution – Reduction in energy costs due to high efficiency of all components (gear unit, motor, electronics) – High degree of reliability due to systematic development of all components – Reduction in the total costs and operating costs of the materials handling system



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How we're driving the world

With people who think fast and develop the future with you.

With a worldwide service network that is always close at hand.

With drives and controls that automatically improve your productivity.

With comprehensive knowledge in virtually every branch of industry today.

With uncompromising quality that reduces the cost and complexity of daily operations.



SEW-EURODRIVE
Driving the world

With a global presence that offers responsive and reliable solutions. Anywhere.

With innovative technology that solves tomorrow's problems today.

With online information and software updates, via the Internet, available around the clock.

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