

GEAR UNITS - GEARMOTORS

SEW offers a full line of high efficiency right-angle, inline, and parallel shaft gear units and modular gearmotors.

- Torque ranges to 469,000 lb-in
- Mounting, shaft, and coating options
- Finely stepped gear ratios
- Use with AC and servo motors
- Single- and multi-stage options
- Easy online configuration tool



R Series — Inline helical gear units and gearmotors, available in single- or multi-stage configurations



K Series — Right-angle gear units and gearmotors with highly efficient helical-bevel and/or hypoid gearing



S Series — Right-angle helical-worm gear units and gearmotors. Economical, wear-free design.



W Series — Right-angle economical gearmotors with SPIROPLAN® gearing



F Series — Slim design parallel shaft helical gear units and gearmotors



Stainless Steel — Available in right-angle and inline configurations, stainless gear units meet IP69K standards for wet areas subject to frequent cleaning. Available as a gear unit or as an integral gearmotor.



Mixer and Screw Conveyor Drives — Optimized motor and gear unit options for mixing, agitating, and screw conveyor applications. Specialized options for extended bearing and seal life.



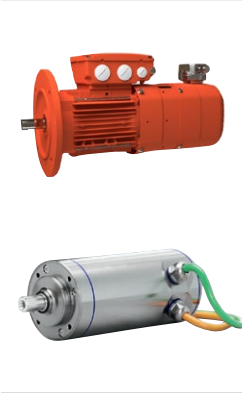
TorqLOC® — Simple to use hollow-shaft shrink disc mounting system for use between the machine shaft and the gear unit.

SERVO TECHNOLOGY



SEW's line of compact, low to medium inertia synchronous servomotors are available in multiple frame sizes, lengths, and speed classes.

- Multiple speed classes
- Dynamic torque range to 320 Nm
- Holding and working brake, feedback, and connector options
- Pair with our precision PxG planetary servo gear units, or the full line of SEW modular gear units
- Compatible with SEW inverters and the MOVI-C® automation platform
- Single cable technology for power and data with MOVILINK DDI® digital motor interface



DR2L.. Series — Asynchronous servomotor for precision and dynamic control in heavy load applications. High overload capacity, wide speed range, and dynamic torque range up to 1,100 Nm.



Stainless servomotors — IP69K rated for use in wet and washdown environments. Five motor sizes, each in 3 lengths. Planetary gearbox options available.



Planetary servo gear units — High precision, compact. 1-, 2-, and 3-stage designs in multiple performance classes. Wide range of ratios and torque ratings.

PxG® Economy - Backlash of 6-12 arcmin

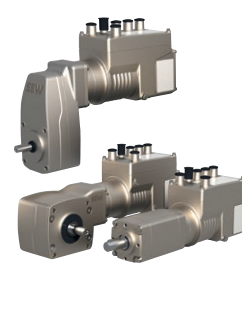
PxG® Precision - Backlash of 1-8 arcmin

PxG® Integrated - Extremely compact servo gearmotors for precise positioning in tight spaces. Backlash of 3-4 arcmin



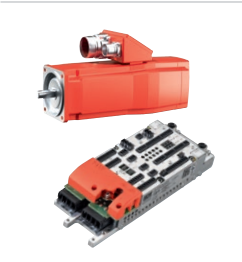
Electric cylinders and linear motors — High dynamics for precision linear movement, available in multiple sizes with 1,200 mm maximum stroke length.

LOW VOLTAGE DRIVES



24V / 48V drives — Compact extra low voltage drives available in parallel and right-angle configurations, with solid- or hollow-shaft designs up to 3/4 hp.

- Onboard fieldbuses include Ethernet/IP, PROFINet®, and EtherCAT®
- 360% overload capacity
- Wide speed range up to 4,000 RPM, constant torque
- Options: STO, brake



48V Servos and controllers — Compact and high performance controllers and servomotors, for demanding multi-axis applications such as AGVs, pallet shuttles, and load handling devices with high inertia mismatch.



Powered Rollers — 24V and 48V powered roller series for light duty material handling applications. At least 40W continuous power and 220% overload capacity. Flexible communications options include ethernet-based zone control, or basic binary operation.

AC MOTORS - BRAKES - DIAGNOSTICS



Integral AC motors with IE1-IE4 efficiency. IEC and NEMA flange mounting options. 16 frame sizes ranging from 0.25 to 500 hp.



DRN.. Series — For S1 continuous duty applications

DR2S.. Series — For S3 intermittent duty applications



DR2C.. Series — Synchronous motor available with multiple speed classes in PMM, IPM, and Reluctance versions. IE5 efficiency-rated for use with centralized or decentralized inverters.

Torque range: 10.5 lb-in to 5,062 lb-in.



Brakes — Fully integrated brake with wide brake torque range selection and voltage options

Encoders — Absolute, incremental, and resolver

Motor Diagnostics — Brake, oil, and vibration sensors

Digital Interface — Single cable technology for power and data with MOVILINK DDI® digital motor interface



MOVILINK® DDI Single Cable Technology — One hybrid cable enables plug-and-play startup, diagnostics, functional safety, and condition monitoring for any SEW motor, even without an encoder. Can be used with a panel-mounted or decentralized MOVI-C® inverter.

CABINET MOUNT INVERTERS & CONTROLLERS



MOVIDRIVE® — high performance inverter series:

- Control synchronous and asynchronous AC motors with/without an encoder
- High overload capacity and rated output to 400 hp
- Single cable technology for power and data with MOVILINK DDI® digital motor interface
- Functional safety cards available including STO, SLS, SDI and more
- Compatible with common fieldbus protocols
- Regenerative and power management options

Functional Safety — Optional scalable functional safety cards cover a wide range of safety functions including STO, SLS, and SDI, with no external wiring.



MOVITRAC® — standard inverter series:

- Rated output to 400 hp
- Available in multiple performance classes
- Control synchronous and asynchronous AC motors with/without an encoder
- Functional safety options including CIP Safety
- Compatible with common fieldbus protocols
- Wide range of applications and IP ratings



MOVI-C® — controller series — Designed for challenging motion control tasks or simple single-axis applications alleviating the main PLC load. Several performance classes available.

- Follows IEC 61131-3 language standards
- Integrated communication interface for all standard control systems
- Simple and central data management
- FSoE, PROFIsafe, other functional safety options
- Less programming when using MOVIKIT modules



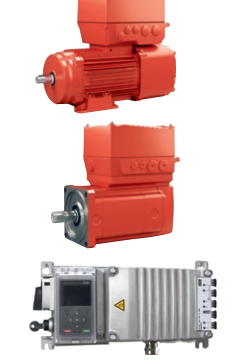
Power and Energy Management — Bridge power failures, utilize regenerative energy, and reduce connection and energy costs

- Reduce peak power demand up to 75%
- Controlled shutdown during power loss
- Capture and reuse regenerative energy

DECENTRALIZED INVERTERS AND DRIVES



MOVIONE® — One inverter for several motor sizes - Decentralized basic inverter for motors up to 2 hp. Fully connectorized and available as motor- or near-motor mount. Part of the with MOVI-C modular automation system.



MOVIMOT® Inverter Series — motor- or near-motor mounted frequency inverter for decentralized control of synchronous and asynchronous motors.

- Speed control, torque and indexing applications
- Optional onboard Ethernet/IP, CIP Safety, and other common fieldbus
- Compatible with SEW modular design, up to 10 hp
- High overload capacity - up to 250%
- Single cable technology for power and data with MOVILINK DDI® digital motor interface
- Can be fully connectorized for quicker installation



MOVIGEAR® — IE5/IES2 Mechatronic drive unit combines gearing, electronics, on-board communication and I/Os.

- Up to 50% less energy consumption than conventional drives
- Wide speed range and high overload torque means fewer variants
- Compact design, lightweight, less installation space
- Runs cooler and quieter
- Perfect for horizontal material handling tasks



MOVIPRO® — Decentralized drive and application controller with integrated brake control, fully connectorized. Ideal for intralogistics applications, it simplifies installation, eliminates the need for large control panels, and supports power ratings up to 40 hp.

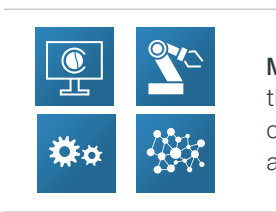


Field Controller — Decentralized motion and logic controller handles up to 16 axes using EtherCAT®. Use as a stand alone controller or for communication with a main PLC through common fieldbus.

MACHINE AUTOMATION



MOVI-C® modular automation platform — Reduce complexity and startup time with this true future-proof machine automation platform. This single-source solution includes controls, components and software all designed to work together seamlessly.



MOVIKIT® — Less programming and faster startup with these pre-configured software modules for common motion control tasks. For use with the MOVIRUN® software platform and the MOVI-C® modular automation system.



MOVISUITE® — Machine and factory automation software used for planning, commissioning, operation and diagnostics, with modern graphical user-friendly interface. For MOVI-C® platform. **Available at no cost.**



Delta Robotics — Drives and controls for path control, handling, and kinematics. Simple startup using MOVIKIT® robotics software module, including 3D simulation.



Operator Panels — Stand alone DOP and WOP web visualization panels from 4" – 15"

FACTORY AUTOMATION



MAXOLUTION®
AN SEW-EURODRIVE COMPANY

Leading edge technology in factory automation — from system design to planning and startup.



AGVs / Mobile Robots — Factory automation production, distribution, and assembly tasks. Large load capacity to 3,000 kg.

Contactless charging — MOVITRANS® spot or line inductive charging. Its continuous charging eliminates the need for additional vehicles, and offers power transfer capabilities of up to 11 kW.



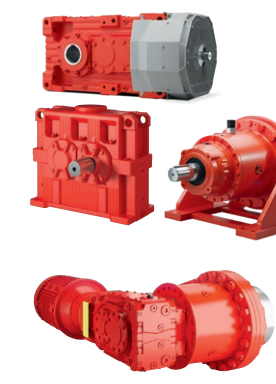
Articulated Robots — Flexible, precise, and powerful robotic solutions for efficient handling, end-of-line, and intralogistics processes. Easy to integrate into existing logistics environments.



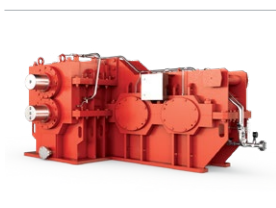
Overhead/monorail transport system — track guided drives for driving, lifting, and turning. Positioning, mobile control, and communications options.

HEAVY INDUSTRY GEARING

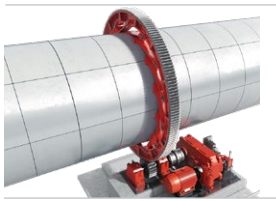
SEW-EURODRIVE's heavy industry gearing line includes a wide range of ratios and torque ranges. Our modular design concept allows for multiple configurations using standard components, with global consistency.



- Helical, bevel-helical, and planetary designs
- Torque ratings to 50 million lb-in
- Finely stepped housing and shaft sizes
- Wide range of options and add-ons
- Specialized application packages:
 - Bulk material handling
 - Wastewater
 - Bucket elevators
 - Grains processing
 - Cranes / hoists
 - Cement production
 - Mixing / aerating
 - Timber processing
 - Mining



Designed-To-Order — Custom-fabricated gear units designed and built as a drop-in solution for your specific application demands.

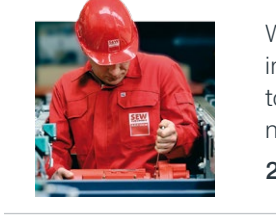


Segmented Girth Gears — typically used to rotate large horizontal kilns and mills. Diameters up to 52 feet.



Complete Drive Packages — Design and assembly of modular drive packages including motors, couplings, steel structures, lubrication systems and other accessories.

DRIVE MAINTENANCE AND REPAIR



We offer a full suite of drive management and repair options, including **DriveRadar®** cloud-based predictive maintenance tool. On-site collection containers are available for units in need of maintenance or repair.

24/7 Service: 888-739-3876



GearOil by SEW-EURODRIVE — This proprietary lubricant blend reduces friction and increases performance in component parts like seals and bearings, significantly increasing the performance and service life of your gear units.