SEW EURODRIVE

Drives and Automation
Modular automation system

The future of automation
in central and decentralised installations

An introduction

SEW-EURODRIVE
Your reliable partner in drive technology

Worldwide presence

SEW-EURODRIVE has been a supplier of motion control products and systems for over 90 years and is a leading solution provider in this field. Our expertise has continuously evolved along with our products and installations.

We deliver panel-based solutions, decentralised solutions for conveyor lines, contactless energy transfer and sequence control solutions for mobile material handling applications (trolley, monorail, etc.) and technology products for precise and complex motion sequences with our high dynamic servos, motion control PLCs and visualisation packages.

In India for over 25 years

SEW-EURODRIVE serves its customers in India, Bangladesh, Sri Lanka and Nepal through strategically located Assembly Plants (AP) in Vadodara, Chennai, Pune and the NCR. All major components of the modular system are developed and manufactured in SEW-EURODRIVE production plants in Germany, using state-of-the-art facilities and stocked at the AP. The customer's application is studied by our trained and experienced engineers and the configuration that best suits the application is finalised. This configuration is then assembled and delivered by the closest AP. The modular concept, large AP, adequate inventory and good logistics management allow us to serve our customers in the subcontinent in a very short time.

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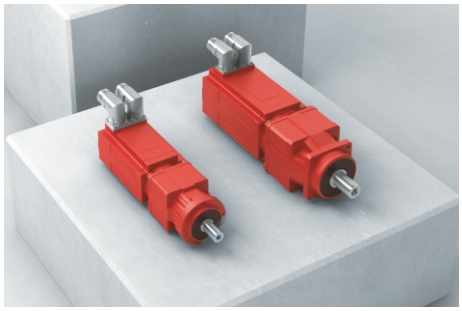
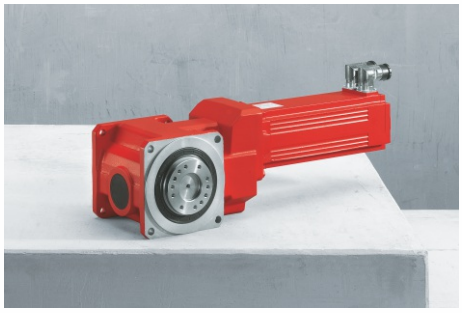
1 AP at Vadodara, India
2 AP at Chennai, India
3 AP at Pune, India
4 AP at NCR, India

Servo products

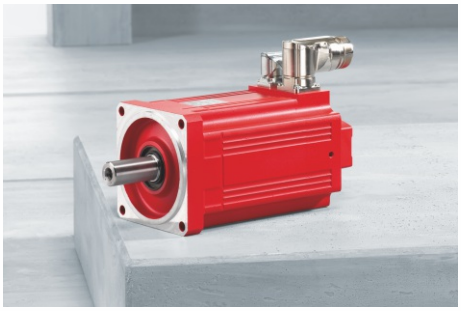
Product overview



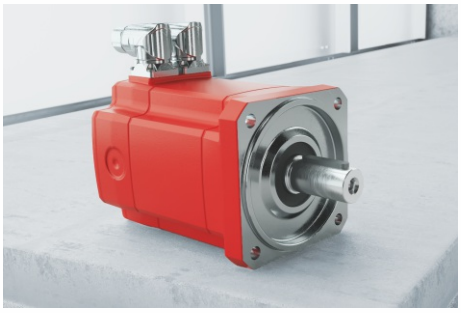


PSF, PSC and BSF series of servo planetary gearboxes
- PxG planetary servo gear units deliver precise, low-backlash motion for dynamic intermittent duty and continuous high-speed operation.
- They come in six performance classes: P1.G. Smart entry level, P2.G. Robust basis, P3.G. Economical all-rounder, P5.G. Dynamic applications, P6.G. High-speed continuous duty, and P7.G. Compact applications with restricted space.
- The modular platform offers six sizes and 1-, 2-, or 3-stage designs, giving wide ratio and torque coverage.
- Key benefits are high torque in a small installation space, high precision, and strong power density.
- Output options include solid shaft, splined shaft, and flange block shaft versions.
- The gear units support many adapter designs, so they can connect to servomotors from SEW and other manufacturers.
- The Premium Sine Seal oil seal designed for maximum dynamics and service life.

PxG® Planetary servo gear units
- PxG® planetary servo gear units deliver precise, low-backlash motion for dynamic intermittent duty and continuous high-speed operation
- They come in six performance classes: P1.G. Smart entry level, P2.G. Robust basis, P3.G. Economical all-rounder, P5.G. Dynamic applications, P6.G. High-speed continuous duty, and P7.G. Compact applications with restricted space
- The modular platform offers six sizes and 1-, 2-, or 3-stage designs, giving wide ratio and torque coverage
- Key benefits are high torque in a small installation space, high precision, and strong power density
- Output options include solid shaft, splined shaft, and flange block shaft versions
- The gear units support many adapter designs, so they can connect to servomotors from SEW and other manufacturers
- The Premium Sine Seal oil seal designed for maximum dynamics and service life
- Peak torque: 11 Nm - 6150 Nm, Ratio 3-1000, Rotational clearance - 1 arcmin - 12 arcmin. (Spec. varies with performance class P1..G to P7.G)



CMP series smart servo motors
- CMP synchronous servomotors are compact, highly dynamic motors designed for precision, speed, and torque
- They are available in 7 sizes and a broad range of variants, with standstill torque from 0.5 Nm to 95 Nm
- The motors use modern winding and magnet technology to keep inertia low and improve dynamic response
- A key advantage is high efficiency, with energy savings compared with classical asynchronous motors
- CMP motors are built for tight installation spaces, while still handling high loads and fast cycle times
- They can be directly mounted to SEW gear units, making them suitable for modular servo drive systems
- The range also includes an optional holding brake



CM3C series servo motor (Medium Inertia)
- CM3C is a medium-inertia synchronous servomotor
- It is designed for high external loads and precise positioning
- Available in 4 sizes: 63, 71, 80, and 100
- Standstill torque ranges from 2.7 to 40 Nm
- It supports direct gear unit mounting and compact drive solutions
- They are strong fit for hoist applications when combined with BZ safety brake
- It offers high dynamics, high torque density, and energy-efficient operation
- It integrates with the MOVI-C® automation platform

CM3P.. High dynamic
- CM3P synchronous servomotors: High-dynamic (low inertia) for shortest cycle times and maximum acceleration
- Sizes: 71, 80, 100 (3 sizes); lengths S, M, L
- Continuous standstill torque 7.9–47 Nm; peak up to 140 Nm
- Speed classes: 2000, 3000, 4500 min^{-1}
- High overload capacity and power density for low-inertia loads
- MOVILINK® DDI interface, direct gear mounting, optional BZ safety brake
- Save installation effort and costs by using the MOVILINK® DDI digital motor interface in single-cable technology
- High power density and maximum acceleration values for industrial production, packaging, and robotics machines requiring precision and speed

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CM3G Servomotor
- CM3G integrated servomotor: Direct PxG® mounting for 40% shorter design, high torque density
- Encoder: MOVILINK® DDI digital interface with high-res SinCos signals; single-cable power/data
- CM3G supports EnDat 2.2 absolute encoders (e.g., /AH0E, /AH1E multi-turn; /EH1E single turn) for precise positioning
- DRIVE-CLiQ option (/AH1Q absolute single-turn) for Siemens SINAMICS; single-cable power/data
- Safety encoder: Optional SIL 3 for safe functions (SS1, SS2, SOS, SLS)
- Sizes 71–100; excellent dynamics, precision over full-service life
- Compact, reliable feedback for high-dynamic positioning tasks

Stainless Steel gear units (RES.., KES.., WES.. series)
- Hygienic Design, Smooth, crevice-free surfaces, no paint, corrosion-proof.
- RES (helical), KES (helical-bevel), WES (SPIROPLAN® right-angle)
- Torque range from 50–10,000 Nm, shaft options: Solid, hollow with key/shrink disk/Torqloc
- IP66/IP69K; -20 °C to +40 °C; acid/alkali resistant
- Low-maintenance, quiet; fanless motors (0.18–1.1 kW)
- Applications in food processing, beverages, pharma; wet/dirty areas

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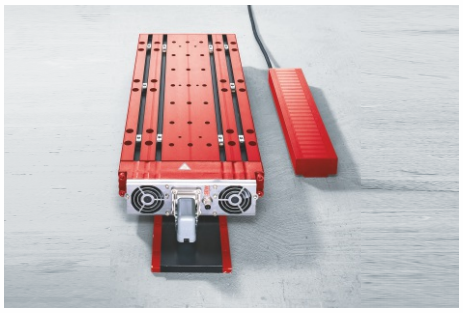
DR2L Asynchronous servo motor
- Medium-inertia design for high external inertia applications
- Continuous torque 2.5–300 Nm across sizes 71–225
- Up to 350% of rated torque (Dynamics Package 2 with reinforced shaft)
- 5–700 Nm (Package 1); 8.5–1100 Nm (Package 2)
- Speed classes: 1200, 1700, 2100, 3000 min^{-1}
- Encoder: High-resolution sine/cosine for precise control
- Direct mounting for compact servo gearmotors
- Brake types: Holding (BE), safety (BZ), with manual release (HF/HR)
- Brake Size: BE05 to BE62, matching motor frame sizes



SL2 Linear servo motor series
- SL2 synchronous linear servomotors deliver high dynamics for handling, pick-and-place, and synchronous processing tasks
- High travel speeds and precise positioning with no inertia ratio checks needed
- Maintenance-free: No wear parts like spindles, ball bearings, or toothed belts
- Quiet operation: Low noise even at high supply voltages
- SL2-Basic, SL2 Advance System, SL2 Power System with forced cooling fan
- Speeds: Classes 1, 3, and 6 m/s; flexible secondaries that can be lined up
- Continuous 280–6000 N, peak up to 12,600 N Force range
- Motor cooling unit: Optimized for mounting, cooling, and integration with guides/encoders

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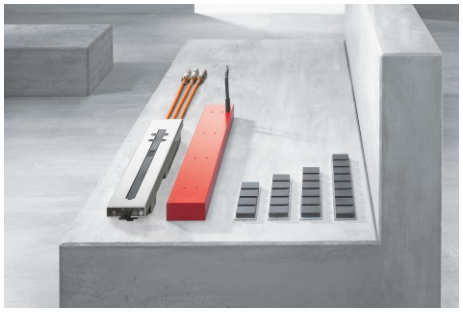

SLC Linear servo motor series
- SLC synchronous linear motors provide high force density and precise positioning without mechanical transmission
- Primaries and secondaries: Primaries with windings; secondaries with permanent magnets; flexible lining up
- Force range: Continuous 280–6000 N, peak up to 12,600 N
- Speeds: Up to 6 m/s; high dynamics ideal for handling and pick-and-place
- Maintenance-free: No wear parts like bearings or belts; low noise
- Control: Paired with MOVIDRIVE® systems and linear encoders
- EL3Z absolute linear encoder (3rd gen) as alternative, with MOVILINK® DDI interface. 1 increment/1 mm; absolute distance 10 cm; ±0.5 mm precision
- Cooling: Optional motor cooling unit for optimal heat dissipation

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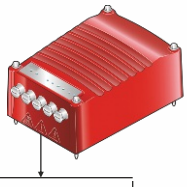
LM3S.. Electric cylinders
- LM3S electric cylinders generate reliable linear movements with high force, speed, and precision.
- Peak forces: 8 kN, 15 kN, 26 kN across three sizes.
- Stroke lengths: Up to 1200 mm; recirculating ball screw for high dynamics.
- Modular design: Compatible with servo motors like CMP, CM3C; parallel or series mounting.
- High overload capacity and robust main bearing for demanding travel profiles.
- Third generation: Redesigned for robotics & automation.
- Precision positioning with integrated options for sensors and encoders.

Decentralised drive technology MOVIMOT®, MOVIGEAR®

Simplicity thanks to standardisation

Standardized use of identical electronics in four product families:
- Identical integration into your automation solution
- Swapping between products is easy
- Reduced spare parts inventory
- Intelligent data backup for rapid replacement in the event of damage



MOVIMOT® Advance

Consists of DRN asynchronous motor (IE3) or DR2C (IE4-IE5) synchronous motor and integrated decentralized inverter

Size and power
- **DRN71M – DRN132M** 0.37 kW – 7.5 kW
- **DR2C71MS4 – DR2C100LA6** (2000/3000 min-1): 0.69 kW – 7.38 kW

Options
- Suitable for combining with series 7 & 9 standard gear units
- Brake available (incl. manual brake release)
- Integrated load disconnector (incl. feedback contact)
- Incremental encoder /EI8Z

MOVIMOT® Performance

Drive unit consisting of synchronous motor(IE5) and integrated decentralized inverter

Size and power
- **CM3C80-100LM:** 0.75 kW – 4.19 kW or 3.6 Nm – 21.0 Nm nominal power/torque
- High motor efficiency of up to 87.6%

Options
- Suitable for combining with series 7 & 9 standard gear units
- Brake available (incl. manual brake release)
- Integrated load disconnector (incl. feedback contact)
- Incremental encoder /EI8Z
- DynaStop® function
- Single-turn & multi-turn encoders EZ2Z / EZ4Z /AZ2Z /AZ4Z

MOVIMOT® Flexible

Decentralized inverter for installation close to motor

Size and power
Available in two versions and nine power classes: –
- MMF11/31/32: 0.55 kW – 7.5 kW

Options
- Load disconnector or load dis-connector with line protection
- M12 engineering interface or prepared for CBG11A, CBG21A, and CBG22A keypads
- Key switch in combination with on-site CBG22A keypad

MOVIGEAR® Performance

Consists of PM motor gear unit, and decentralized inverter.
Motor efficiency class of IE5 (IEC TS 60034-30-2) System power loss up to 50 % lower than IES2 (IEC61800-9-2)

Size and torque class
- MGF..2-C: 200 Nm
- MGF..4-C:400 Nm
- MGF..4-C/XT: 400 Nm with extended continuous torque
- 0.8 - 2.1 kW nominal power. 6.3 kW peak power.

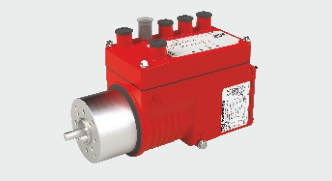
Options
- Multi-turn absolute encoder /AZ1Z (extended control range 1:2000)
- DynaStop® function
- Design for use in wet areas (/WA)

MOVIGEAR® Classic

Consists of gear unit and synchronous motor(IE5) (can be combined with decentralized inverter installed close to the motor or with control cabinet technology from the MOVI-C® modular system)

Size and torque class
- MGF..1-DSM-C: 100 Nm
- MGF..2-DSM-C: 200 Nm
- MGF..4-DSM-C: 400 Nm
- MGF..4-DSM-C/XT: 400 Nm torque class with extended continuous torque
- High motor efficiency of up to 93.7%

Options
- Multi-turn absolute encoder /AZ1Z (extended control range 1:2000)
- Design for use in wet areas (/WA)

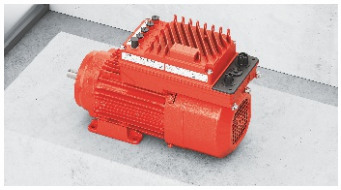


MOVIMOT®
Performance ELV

- MOVIMOT® Performance ELV ,48v DC Compact extra-low voltage drive unit
- Combines permanent-field synchronous motor + dynamic drive controller + fieldbus interface
- Small size/weight (2–3 kg); perfect for tight spaces in AGVs/storage
- Ethernet-based (PROFINET/EtherCAT®); vertical/horizontal communication
- DC energy recovery; power 180–503 W at 4000 min^{-1}.
- Torque/speed/position modes
- STO safety, DDI encoder, Brake control

MOVIPRO®
Technology

- Decentralized Power up to 30 kW; IP65, -25 °C to +60 °C for harsh environments
- Any motor/encoder; single-cable MOVILINK® DDI integration
- Communication over EtherCAT®/PROFINET; scalable safety (SIL3).
- Brake control, digital I/O; reduces cabinet space/ wiring
- Application areas such as Conveyors, hoists, robotics; automotive/ intralogistics focus
- Time via plug-in tech, end-to-end MOVI-C® portfolio



MOVIONE®

- Clear focus on conveyors, fewer variants for quick sizing/ordering/installation
- Two mounting options: Integrated into motor or installed close to motor
- 200% overload; rated power 1.5 kW (IE3/IE5 motors)
- Decentralized Design with IP65 inverter.
- Digital/analog inputs/outputs, PROFINET IO communication
- Options: Brake resistors, line filters/chokes, functional safety, MOVIKIT® modul

MOVIFIT®
Compact

- Basic motor starter (on/off, reversing) or basic inverter (speed control) in the low-function range
- Motor starters up to 4 kW or 2 × 2.2 kW; inverters 0.75–1.5 kW
- Reversing starter: two-direction operation; dual-motor (duo) starter: two motors on one MOVIFIT, both in same direction
- Control via binary (direct contact) or AS-Interface; optional IO-Link for sensor data
- Best suited applications: Conveyor belts, pallet / package handling, crate-transport lines

ECDriveS®
ECG/ECR

Power class	ECG (Gearmotor)	ECR (Roller Drive)
Form Factor	Standalone gearmotor w/o external electronics	Complete motorized roller unit
Electronics	External controller (ECC-DBC/DFC)	Integrated (ECR-I) or external (ECR-A)
Mounting	Flexible for belt/chain conveyors	Direct roller integration
Gear Ratios	9 ratios; 86–645 rpm	11 ratios; 0.04–5 m/s surface speed
Power	65 W cont./150 W peak	40–65 W cont./100–150 W peak
Control	Ethernet/analog; positioning	Analog 0-10 V or Ethernet ZPA
Applications	Belt, chain, custom conveyors	Roller conveyors, parcel sorting
Temp Range	-30 °C to +40 °C	-10 °C to +40 °C (-30 °C opt.)
Protection	IP54	IP54/IP66

The application inverter MOVIDRIVE®

Control of complex applications made easy

	MOVIDRIVE® Modular	**MOVIDRIVE®** System	**MOVIDRIVE®** Technology
Technical data	– Compact multi-axis system consisting of power supply module and single axis & double axis modules – Rated power for the supply module: 10 – 110 kW – Axis module: **Single axis:** 0.6 kW –90 kW **Double axis:** 2 x 0.55 kW, 2 x 1.5 kW, 2 x 4 kW – 250% overload capacity – Up to 30 drives on one power supply module – Master module of compact integration of the MOVI-C® controller – Available as variant with EtherCAT® CiA402 profile	– Single-axis application inverter with own line connection – Rated power for a single-axis device: 0.55 – 315 kW – 200% overload capacity – Perfect addition to the multi-axis system for higher motor power ratings – It supports a cable length up to 1200 m – Control via MOVI-C® controller – Available as variant with EtherCAT® CiA402 profile	– Single-axis application inverter with own power connection and direct fieldbus connection via plug-in fieldbus interface – Rated power for a single-axis device: 0.55 – 315 kW – 200% overload capacity – Startup via plug in keypads or engineering software – Integrated memory card to back up device data – Integrated DC 24 V switched mode power supply unit – Alphanumeric or fully-graphic keypad
One frequency inverter family for all motors – they control	– Synchronous and asynchronous AC motors with/without encoder – Asynchronous motor with LSPM technology and allow for operating explosion-proof motors – Synchronous and asynchronous linear motors		
Features	– Multi-encoder input in the basic unit – Torque, speed and position control – EtherCAT®/SBus^{PLUS} in the basic unit – Can be used in TN, TT and IT system – DC link connection for connection to DC or regenerating power supply		

Standard inverter MOVITRAC®

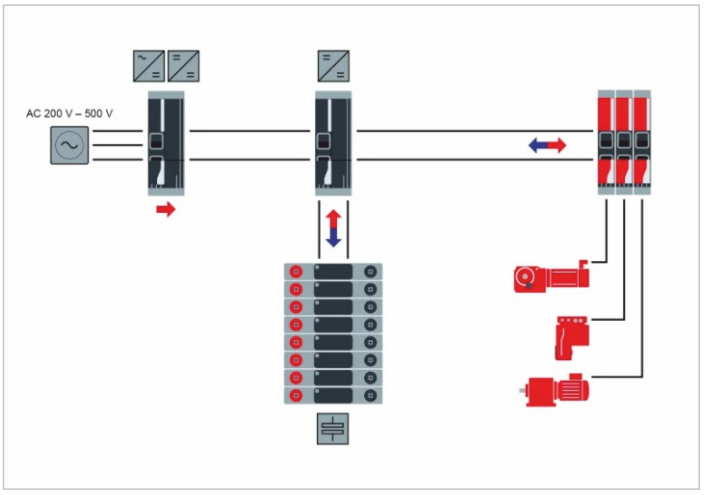
The easy way to control any motor

	MOVITRAC® Classic	**MOVITRAC®** Advance	**MOVITRAC®** LTP-B	**MOVITRAC®** LTE-B+
Technical data	**Nominal Volt. (V)** 1 × AC 200 – 240 3 × AC 200 – 500	**Nominal Volt. (V)** 1 × AC 200 – 240 3 × AC 200 – 240 3 × AC 380 – 500	**Nominal Volt. (V)** 1 × AC 220 – 240 3 × AC 220 – 240 3 × AC 380 – 480 3 × AC 500 – 600	**Nominal Volt. (V)** 1 × AC 110 – 115 1 × AC 200 – 240 3 × AC 200– 240 3 × AC 380 – 480
Nominal Power (kW)	0.25-11	0.25 – 315	0.75 – 160	0.37 – 37
Overload Capacity	150% 30 sec	150% 30 sec		
Control mode	Synchronous and asynchronous AC motors. Asynchronous motors with LSPM technology V/f, VFC^{PLUS}, ELSM®, (CFC only with Movitrac Advanced)			V/f
Encoder	Open Loop	HTL encoder max30m/ MOVILINK® DDI max 200 m	Open Loop	Open Loop
Communication Interface	Gateway operation possible optional	PROFINET, EtherNET/IP™ EtherCAT®/SBus^{PLUS}/ CiA402 Modbus TCP POWERLINK CiA402	CANopen, Modbus, Profinet.	CANopen, Modbus, Profinet.
Functional Safety	STO (optionally)	STO	STO	STO
Additional Features	– Torque and speed control – Startup via plug-in keypads or MOVISUITE® engineering software	– Configurable DDI digital data interface – Control of torque, speed and position. – Portable memory module for easy unit replacement.	– Integrated keypad, EMC filter, safety, PID controller – Cabinet Installation (IP20) & Field Mounting (IP66) – Sensorless motor control	– Simple motor speed control for industrial applications – Housing designs IP20 (control cabinet) and IP66 (field mounting, NEMA 4X)

Regenerative power supply MDR

MDR Regenerative power supply

- MDR60A regenerative unit supplies DC link from 3-phase AC (380–500 V) and returns braking energy to mains.
- Alternative to braking resistors for 4-quadrant operation in cranes, hoists, conveyors.
- Shared DC-link couples multiple inverters.
- Supply/regen mode: Full bidirectional power flow.
- Requires line filter, choke, contactor; polarity-sensitive DC bus.
- Control via MOVI-C® controller; monitor ready signal.
- Power Rating from 10kW to 110 kW.



PES - Power and Energy Solutions

- Distributed DC/AC infrastructure; energy storage in DC link for regenerative recovery (up to 98% efficiency).
- Reduces peak power demand, harmonics, and EMC load on grid.
- Compatible with MOVIDRIVE® modular inverters and MOVI-C® controllers
- Stores regenerative energy in DC-link capacitors; saves vs. resistors.
- Lower energy bills, no braking resistors needed.
- Uninterrupted operation during blackouts; low harmonics.
- Intelligent management cuts costs and CO_2 footprint.

MOVI-C®
Controllers

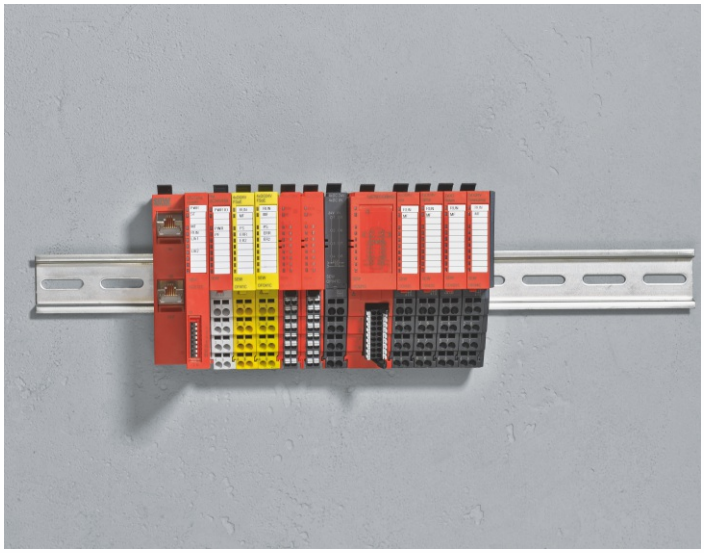
Cut complexity





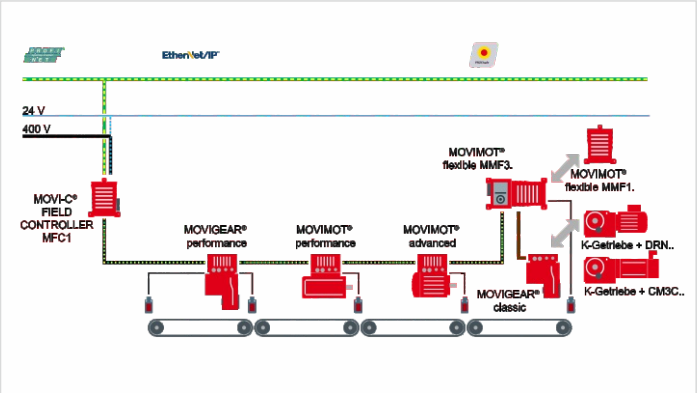
Power class	UHX15A Basic	UHX25A Standard	UHX45A Advanced	UHX65A Progressive	UHX86A Power
Axis Support	Up to 3 (2 interp.)	Up to 8 (2 interp.)	Up to 16 (8 interp.)	Up to 32 (16 interp.)	Up to 64 (32 interp.)
Key Uses Support	Simple positioning/ speed	Standard motion tasks	Sync axes, e-cams	Complex multi-axis, robotics	High-end IoT, visualization, 4-core CPU

- Parametrize complex tasks (e-cams, robotics) without coding; real-time OS for short cycles.
- EtherCAT® master + PROFINET/EtherNet/IP™; Industry 4.0/IoT ready.
- Fits small cabinets, memory card options for software.
- Mixed topologies for motion + peripherals; optional safety (SIL3).
- UHX15A basic to UHX86A high-end (4 cores, visualization).



I/O System

- Up to 64 modules on backplane bus; EtherCAT®/CAN coupler for controller integration.
- 16-channel digital I/O; compact, space-saving for cabinets.
- Analog, SSI encoders, weighing (OSM11C), energy (OEM12C), serial (ORS11C).
- Safe inputs/outputs via Safety over EtherCAT®; SIL3 capable.
- Spring terminals, LEDs, quick-slide mounting; service-friendly.
- Sensors, actuators, hazardous protection in motion systems.



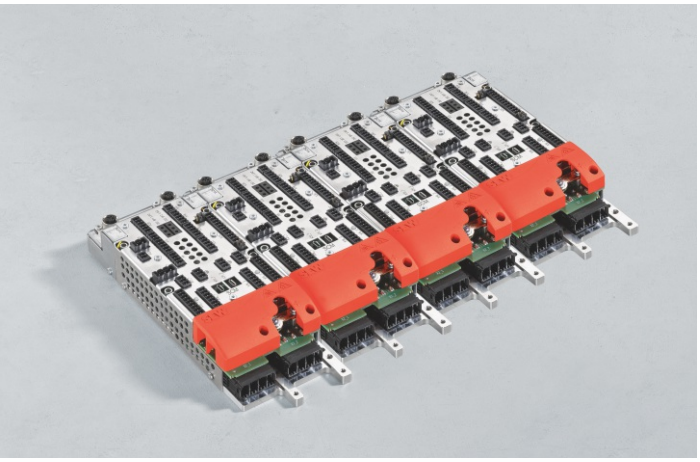
MOVI-C® FIELD CONTROLLER MFC1../FHX25A:
Motion controller for simple motion tasks such as positioning or speed mode

Number of axes:
– Interpolated: up to 2
– Non-interpolated: up to 6

System bus:
– EtherCAT®-/SBus^{PLUS} master with integrated star distributor
– PROFIsafe routing to the axis modules

Functions:
– Optionally available with an integrated load disconnector to disconnect the lower-level drive axes from the power supply

MOVI-C® FIELD CONTROLLER MFC1../FHX45:
Motion controller for complex motion tasks, such as synchronous axes with electronic gear unit or electronic cam
Number of axes:
– Interpolated: up to 8
– Non-interpolated: up to 8



SCM decentralized controller
– Multi-Axis - 2/4/6/8 axes; DC 20–60 V, 100 A total current (37 A /axis nom.).
– Short cycle times; high dynamics for large inertia ratios.
– EtherCAT® slave/master; EnDat 2.2/Resolver feedback.
– STO PL e; optional 24 V/12 A output; voltage/temp monitoring.
– IP20, 0–50 °C; brake control (2/3-wire).
– MOVISUITE® IEC Editor plugin; sync servomotors + gear units

	DOP11C (Drive Operator Panel)	**WOP11D** (Web Operator Panel)
Main role	Drive-centric HMI for SEW drives and MOVI-C systems.	Higher-end HMI based on Windows-like OS, for complex visualization.
Typical use case	Simple–medium machine visualization, drive control, diagnostics	Large lines, SCADA-style views, heavy HMI applications with MOVI-PLC®
Display size range	From 4.3" up to 15.4" TFT touch screens	Typically, 7", 10.1", up to 15.6" (FHD-like monitors).
Resolution & color	Up to 1280×800, 64k–262k colors depending on model	Full-HD or similar high resolution with millions of colors
Processor / OS	ARM9 (400 MHz), embedded visualization runtime	Windows-based industrial PC-style hardware.
Programming software	HMI-Builder.PRO	Full Windows HMI tools (e.g., third-party or custom software).
Interfaces	2× RS232 / RS422-485, Ethernet, USB, SD / microSD card	Ethernet, USB, video, and other PC-like interfaces.
Best suited for	Cost-efficient, real-time drive visualization on conveyors, material handling, etc	Complex plants needing advanced HMI, logging, and deep integration with MOVI-PLC®.

Engineering software MOVISUITE®

Save time and cut cost

MOVISUITE® a program that can be used for planning, startup, operation and diagnostics, also it speeds up things and reduce cost.

Features of MOVISUITE® standard

–End-to-end engineering for all components in the MOVI-C® modular automation system, from inverters to customer-specific drive technology
– User-friendly operation with a modern look and feel, and state-of-the-art GUI technology
– Intuitive handling of inverter functions such as manual mode and drive train startup
– Configuration and creation of IEC programs for MOVI-C® CONTROLLERs
– Parameterization and diagnostics of the MOVIKIT® modules
– Efficient data management
– Network scan and display of devices
– Scope function

Software	MOVIRUN® The software platform for MOVI-C® CONTROLLER	MOVIKIT® The software modules for MOVI-C® CONTROLLER
Features	**Startup with MOVIRUN® flexible** the flexible and open platform: – Automation with MOVI-C® and third-party components – Interpolated operating modes for demanding motion control applications – Ready-made MOVIKIT® software modules can be integrated into the user program	**Operation with MOVIKIT®** For everything from simple drive functions to challenging motion control functions – Graphical configuration and diagnostics – Available for MOVIDRIVE® technology, MOVIRUN® smart as a purely parameterizable solution with a fieldbus connection, and MOVIRUN® flexible for integration into the IEC program with a user-friendly IEC interface
	MOVIRUN® smart, the intelligent, purely parameterizable motion control platform – Parameterization instead of programming – Ready-made MOVIKIT® software modules can be easily connected to higher-level controllers using the defined fieldbus interface – No additional programming work	**Modules:** – MOVIKIT® Velocity, Positioning – MOVIKIT® MultiMotion, MultiMotion Camming – MOVIKIT® MultiAxisController – MOVIKIT® Robotics – And many more

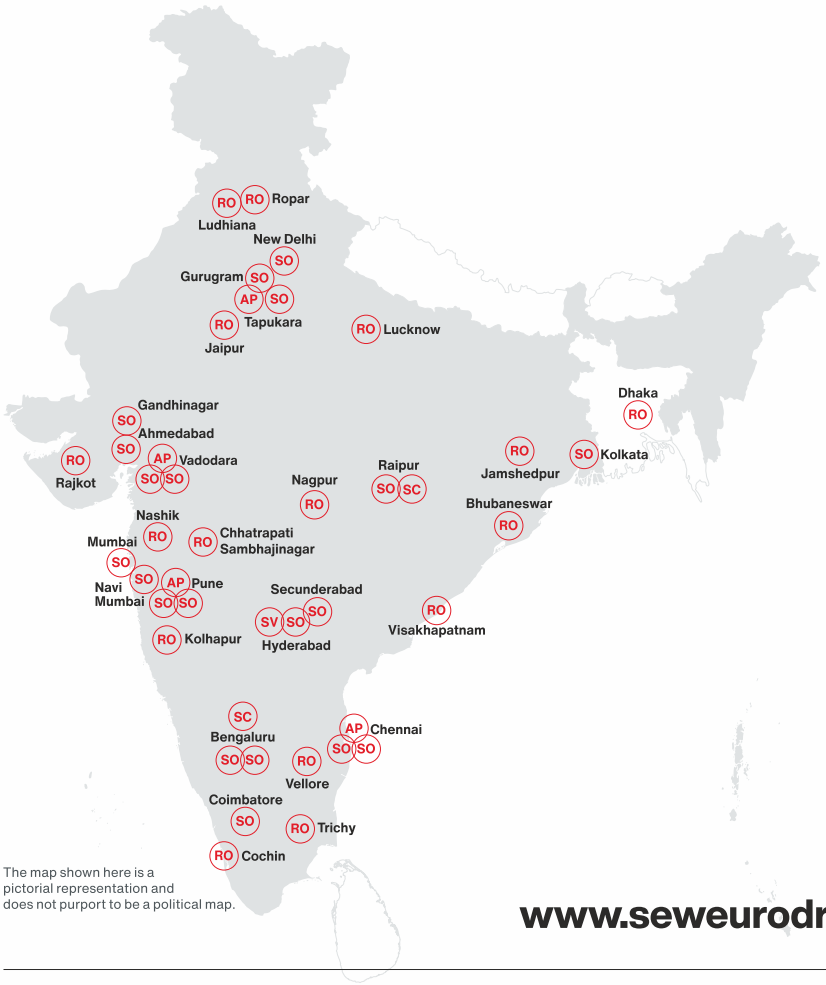
Safety Technology

SBM (Safe Brake Module)
- Safe Brake Control Dual-channel safe input; PLd / SIL 2 certified
- DC 80–450 V voltage Range, max. 120 W power dissipation
- Stop Cat. 0 (EN 60204-1),restart protection (EN 1037)
- IP20 cabinet install; status LEDs for diagnostics
- MOVI-C® compatible; flexible for single/multi-brake setups
- Applications areas vertical axes, cranes, enhances safety in automation

MOVISAFE® Safety cards
- STO to advanced SLS/SOS/SLP/SLI, PL e / SIL 3 certified.
- Plug-in Integration CSS21A/CSA31A .
- PROFIsafe, Safety over EtherCAT®, FSoE; multi-axis sync.
- All MOVI-C® drives, diagnostics via LEDs/software.
- Applications areas robots, cranes, packaging, reduces external relays.

SCU / SSCU
- SCU / SSCU are safety controllers in SEW's MOVI-C® system for PL e / SIL 3-capable safety functions (E-Stop, safe stop, SSO, SLS, etc.).
- They act as Safety-over-EtherCAT® master modules, handling safe inputs/outputs and safety logic for drives and machines.
- Support decentralized safety I/O (via SIO-1-S and similar) and integrate seamlessly with MOVI-PLC®, MOVIDRIVE®, and OPC UA.
- Programmed via SEW safety tools (SCL, Safety-Configuration-Library) for fast, standardized safety-concept implementation.

SEW-EURODRIVE is right there for you



The map shown here is a pictorial representation and does not purport to be a political map.

4
Assembly Plants

2
Service Centers

20
Sales Offices

16
Residential Offices

1
Service Vehicle

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- AP Assembly Plant
- SC Service Center
- SO Sales Office
- RO Residential Office
- SV Service Vehicle

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