

Gearmotors and Industrial Gear Units

Drive technology the world trusts
India operations overview



An introduction

SEW-EURODRIVE

Your reliable partner in drive technology

Worldwide presence

SEW-EURODRIVE has been a supplier of drive technology for over 90 years and is the leading global company in this field. Versatile and powerful gearmotors and industrial gear units from SEW-EURODRIVE are built on a unique modular concept, making it possible to assess and deliver the precise configuration to suit any application quickly and easily. They are the benchmark for quality, reliability and versatility.

The legendary SEW reliability and ruggedness are built into these products and they have been working in demanding applications across industries all over the world.

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

4

Pre-sales support

SEW-EURODRIVE's team of direct sales engineers now spread over 31 cities in India and Bangladesh enjoys partnering with our customers for the selection of the unit or system most relevant to each specific application. In fact, we follow a principle of never quoting directly without studying the application. The real value that SEW-EURODRIVE delivers is often in the application and product knowledge we bring to the table for our customers by choosing the best configuration that optimizes cost, energy-efficiency, reliability in function and delivery time.



Delivery reliability

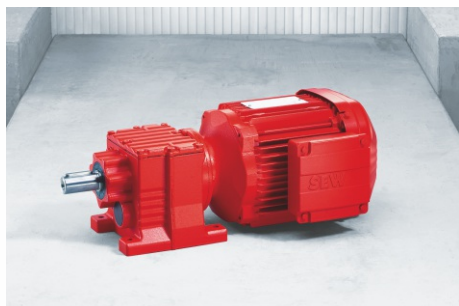
For a lot of our customers, whether OEMs delivering equipment under increasingly demanding deadlines or end users looking for support to complete internal projects, the gearmotor, drives or industrial gearbox is often the longest lead time item. Delivery time really is money! In this area, SEW-EURODRIVE's value proposition is truly unbeatable.

Short and assured delivery time is one of SEW India's key strengths and value proposition. We have a sophisticated global supply chain that enables us to stock components and deliver as per customer requirement.

Our business model built on the modular concept, strategically located a AP and a highly sophisticated logistics operation enables us to deliver our units with average of 98-99% reliability. Added to this, our highly proactive sales offices keep you updated on the status of your order. Order on SEW-EURODRIVE today and experience living without frustrating follow-up and unresponsive vendors.

Gearmotors and AC induction motors

Product overview



R/RX series:

Helical gearmotors

- Torque range: 50 to 20000 Nm
- Six single stage sizes
- Fifteen 2-stage and 3-stage sizes
- Several sizes in low backlash design

Available designs:

- Foot and flange-mounted
- B5 or B14 flange-mounted
- Exclusive RX series, single stage for high output speed

RM series for agitator & mixer application

- Torque range : 450 Nm to 20000 Nm
- Flange mounted unit extended output bearing hub



F series:

Parallel shaft helical gearmotors

- Torque range: 130 to 20000 Nm
- Very slim design in parallel shaft version
- Several sizes in low backlash design

Available designs:

- Foot or flange-mounted
- B5 or B14 flange-mounted
- With solid or hollow shaft
- Hollow shaft with keyed connection, shrink disk, splined hollow shaft or TorqLOC®

FM series for agitator & mixer application

- Torque range : 820 Nm to 20000 Nm
- Flange mounted unit with extended output bearing hub



K series:

Helical bevel gearmotors

- Torque range: 80 to 53000 Nm
- Right-angle gear unit with small footprint
- All sizes are also available in reduced backlash design
- High efficiency of over 96%

Available designs:

- Foot or flange-mounted
- B5 or B14 flange-mounted
- With solid or hollow shaft
- Hollow shaft with keyed connection, shrink disk, splined hollow shaft or TorqLOC®

KM series for agitator & mixer application

- Torque range: 820 Nm to 20000 Nm
- Flange mounted unit with extended output bearing hub



S series:

Helical-worm gearmotors

- Torque range: 92 to 4300 Nm
- High gear ratio at worm gear stage
- Extremely low noise operation

Available designs:

- Foot or flange-mounted
- B5 or B14 flange-mounted
- With solid or hollow shaft
- Hollow shaft with keyed connection, shrink disk, splined hollow shaft or TorqLOC®

**W series:****SPIROPLAN® gearmotors**

- Torque range: 30 to 600 Nm
- Three single stage sizes
- Five 2-stage or 3-stage sizes
- Wear-free right angle gearing
- Extremely low noise operation
- Compact and light weight aluminium housing
- Very slim design in parallel shaft version

Available designs:

- Foot or flange-mounted
- B5 or B14 flange-mounted
- With solid or hollow shaft

**HW, HS, HK series:****Drives for electrified monorail system**

- Torque range: 20 to 820 Nm
- Loadable and safe to operate
- Drives to C1 guidelines: low maintenance, low noise, smooth running and compact
- Can be used for wheel loads up to 40000 N
- Reduced power consumption

**G7 Hoist gear unit:**

- Suitable for hoist load ranging from 2.5 tons to 63 tons
- The G7 gear units can be combined with all standard motors from the range of SEW modular units
- Large center distances allow the use of large drum diameters (Ø140 mm – Ø405 mm)
- Finely stepped gear ratios allow for adjusting the lifting speed exactly to your requirements
- Lightweight aluminum housings reduce the weight of the bridge and the moved mass
- Output shaft according to standard DIN 5480 splined shaft

**DR series:****AC Induction motors**

- Range 0.03 to 375 kW
- Energy-efficient, low noise operation
- High quality and reliability
- Simple configuration of all motor variants from one single series
- Save space and costs due to compact design
- Enclosure: IP54 (IP55/IP56/IP65/upon request)
- Explosion-proof EDR motor for zone 1/21 & 2/22
- With all required labels and/or efficiency label IE1, IE2, IE3, CSA, CSAe, UR, DoE, CEL, KEI, ABNT, EAC, BIS, CCC
- Efficiency class IE1, IE2, IE3, IE4 & IE5 in different power range
- DR brake motors available for complete range
- Frequency as 50Hz/ 60Hz/ 50/60Hz

Also available:

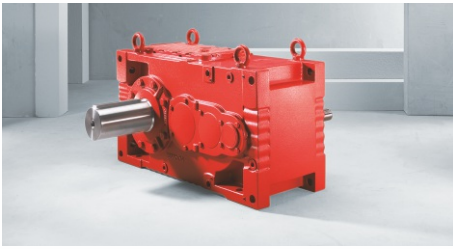
- Asynchronous servomotors
- Synchronous servomotors

**DIB series:****AC Induction motors**

- Range 0.12 to 45 kW
- Energy-efficient
- High quality and reliability
- Meeting IS12615 requirements
- Economy model for less critical requirements
- Enclosure: IP55 (IP65 upon request)
- DIB brake motor available from 0.25 kW to 45 kW

Industrial gear units

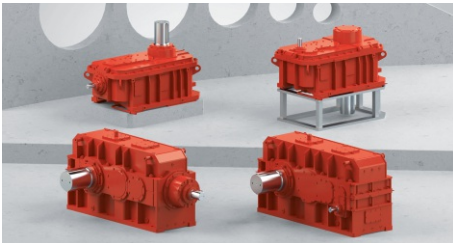
Product overview

**MC series:**

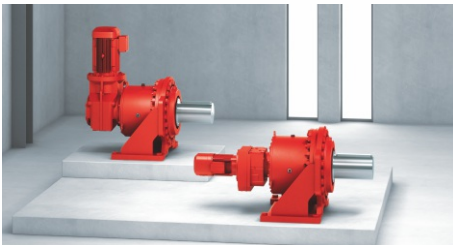
- Torque range: 6 to 65 kNm
- Helical and helical-bevel type
- Parallel shaft construction with compact footprint
- Available in 8 sizes
- EBD (extended bearing distance) combined with drywell
- Forced lubrication

**M1N series:**

- Torque range: 1.3 to 213.6 kNm
- Single stage Helical type
- Available in 13 sizes
- Varieties of cooling options are available

**ML..2 series:**

- Torque range: 470 to 1480 kNm
- Helical and helical-bevel type design up to 4 stages
- Ideal platform for customized application with variety of options highly flexible and variable

**P series:**

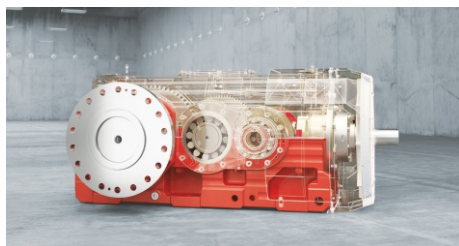
- Torque range: 24 to 631 kNm
- Planetary gear unit
- Available in 11 sizes
- Compact and efficient
- Various LSS connection
- Helical and bevel helical input

**P2.e series:**

- Torque range 24.8 to 359 kNm
- Two or three stage planetary gear units
- Improved thermal rating
- Direct motor mounting with integrated fan
- Variable motor interfaces


PPK series:

- Torque range: 2.3 to 23.9 kNm
- Ratio range from 65 to 390
- 3 stage coaxial planetary gear unit
- Available in 7 sizes
- Compact - reliable - flexible


X.e series:

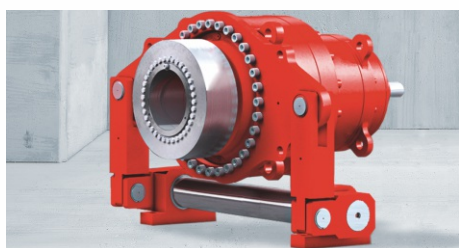
- Torque range: 7.2 to 500 kNm
- Helical and bevel helical gear units
- Available in 23 sizes
- Compact and efficient
- Robust gear housing
- Reduced cost and weight due to high power density and finely stepped sizes
- Effective cooling systems

Application specific design available:

- Agitator drive
(Torque range: 29.2 to 217 kNm)
- Hoist drive
(Torque range: 12.8 to 285 kNm)


P-X.e series:

- Torque range: 24.8 to 500 kNm
- Ratio range: 22.4 to 548
- Available in 11 sizes
- High transmittable torque and very compact design
- Weight optimized drive
- High permitted radial load at the output
- High thermal rating
- Shared oil chamber


XP series:

- Torque range: 600 to 5200 kNm
- Available in 13 sizes
- Transmission of high torques
- Suitable for high motor power
- High power density
- Bevel/Helical preliminary stage
- Different coupling variants
- Various mounting positions
- Can be combined with primary gear unit


Segmented girth gears

- Girth gear pitch diameter of approx. 16 m
(larger diameters are possible after further discussion)
- Maximum width 600 mm
- Maximum power 4000 kW per pinion
- Maximum pitch line velocity 6 m/s
- Girth gear module 20, 25, 30, and 40 mm
- Calculation according to standard ISO 6336
(AGMA on request)

Industry-specific competence

SEW-EURODRIVE provides the most appropriate drive technology solutions to several industries. The gear units, gearmotors and drives of latest technology and highest reliability are helping a number of industries in improving the plant or equipment availability, thereby enhancing productivity.



Cement and Concrete

- Hoisting damper
- Dividing gate
- Air lock valve
- Belt and slat conveyor
- Crusher
- Mixer
- Agitator
- Dryer
- Filling station
- Stacker and loader
- Bucket elevator
- Batching plant



Steel and Aluminium

- Withdrawal gear drive in billet and bloom caster
- Pinch roll
- Ladle car
- Furnace door
- Slitter
- Coil winder
- Coil handler
- Crane



Textile Industry

- Textile spinning
- Blow room machinery
- Automatic bale plucking machine
- Cleaner
- Mixer/Blender
- Carding machine
- Comber machine
- Ring frame machine
- Textile processing machine



Power Plants, Docks and Shipyards

- Coal and ash handling conveyor
- Material handling systems in shipyard
- Screw feeder
- Weigh feeder
- Bucket wheel excavator
- Slew crane - main hoist
- Stacking crane



Cranes and Hoists

Cranes:

- EOT crane
- Jib crane

Hoists:

- Wire rope hoist
- Industrial goods lift



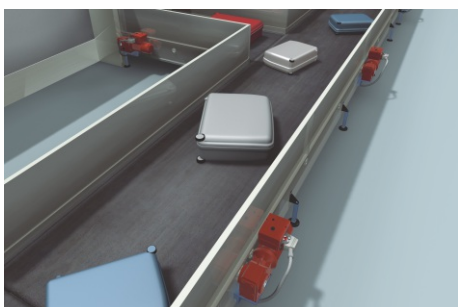
Food and Beverage Industry

- Bottle and packet handling conveyor
- Filling machine
- Sealing machine
- Labelling machine
- Caser and uncaser
- Bottler washer



Automobile and Engineering

- Roller bed
- Scissor lift
- Overhead conveyor
- Turn table
- Buffer storage
- Automotive parking system



Airports and Railway Stations

- Baggage handling system
- Elevator
- Escalator
- Travellator



Tyre Building

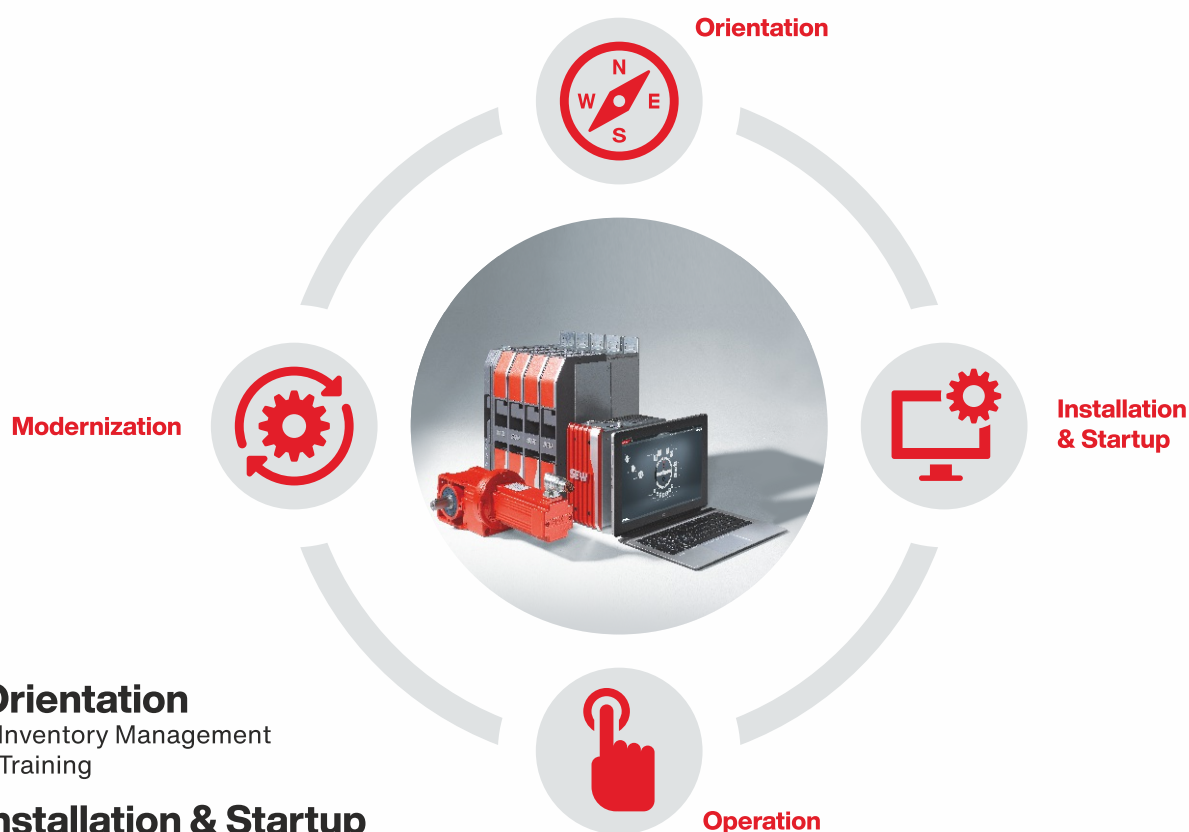
- Mixing
- Extruder
- Curing
- Storage
- Calendar
- Cutting

LCS

Life Cycle Services

Services throughout the entire system life cycle

For us at SEW-EURODRIVE, Life Cycle Services encompass services, tools and resources throughout the entire system life cycle. This begins in the initial orientation phase and continues all the way through to the operation and modernization of your machinery and systems. No matter what point you currently find yourself in, we can help with our scalable and tailored solutions from a single source. As a good partner, this goes without saying for us – even when everything is going well.



- **Orientation**
- Inventory Management
 - Training

- **Installation & Startup**
- Installation Consulting
 - Application Programming
 - Startup

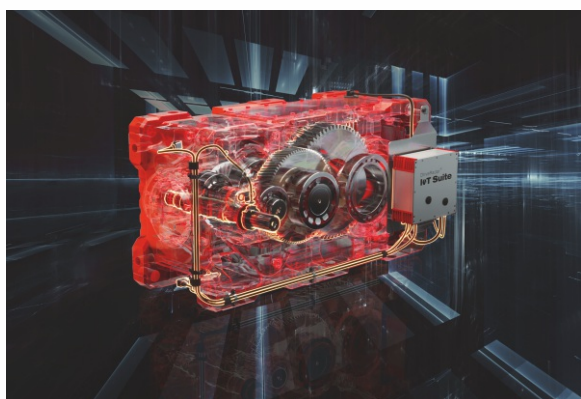
- **Operation**
- Repair Service
 - Spare Part Service
 - Proactive Services
 - Express Service
 - Condition Monitoring Service
 - 365 Days Service

- **Modernisation**
- Retrofit
 - CDM® Maintenance Management Service

- **Plenty of benefits**
- **Everything from a single source**
You receive services, tools and resources that are closely linked to our product portfolio – and all from a single source.
 - **Reliability**
You receive reliable, rapid assistance that ensures the reliability of your production processes.
 - **Expertise and advice**
You can build on expertise in drive and automation technology going back more than 90 years coupled with customized advice.

DriveRadar® IoT Suite for industrial gear units

**Condition-based component monitoring and
maintenance forecasts for new and existing gear units**



Take a proactive approach with DriveRadar® IoT Suite

Our DriveRadar® IoT Suite keeps working for you 24/7. The digitalized condition monitoring system automatically monitors your industrial gear unit, so you have reliable, detailed information about the state of your components at your fingertips at all times.

If there are any relevant changes in condition, the system will notify you and provide you with initial recommendations for action, so you can take steps at an early stage and prevent downtime.



Hardware Components

- 2 x acceleration sensors
- 1 x oil temperature sensor
- 1 x ultrasound sensor
- 1 x speed sensor
- 1 x DriveRadar® EdgeProcessingUnit



Access to the web application

Elements

- Access to the DriveRadar® IoT Suite web application
- App for mobile devices included
- Automatic notification of errors and warnings
- Data stored at SEW cloud

Benefits

- Early detection of faults
- Transparency about the condition of the gear unit
- Prevent downtime
- Operate efficiently
- Save resources

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

www.seweurodriveindia.com / sew-eurodrive.de

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

Scan to know a service location near you



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