

Customized gear units

Application- and
customer-specific solutions



**SEW-EURODRIVE –
the reliable partner at your side!**

For 90 years now, the owner-operated family business SEW-EURODRIVE has stood for a diverse range of values, including everything from a personal, partnership-based approach, solutions and services to responsibility, quality, tradition, innovation and a whole lot more besides. With our diverse portfolio of drive and automation technology, we move countless applications in virtually every industry. Our 17 production plants and 81 Drive Technology Centers in 52 countries mean we're at your service on every continent and in every corner of the world. We work reliably and straightforwardly with our customers as equal partners, and foster customer proximity.

What makes us truly stand out from other manufacturers? Our unique, comprehensive network of sites and in-house experts

operates globally and locally and ensures you never have to wait long for spare parts, repairs or professional advice.

Since 1931

52 countries / 17 production plants / 81 Drive Technology Centers / Over 18 000 employees



52
Countries



17
Production plants



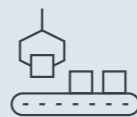
81
Drive Technology Centers



Over **18 000**
employees



Global
Service



At home in **countless**
industry sectors

Pre-standardized or design-to-order – everything from a single source

Drive solutions for general industrial processes such as conveying and lifting can usually be achieved with our pre-standardized industrial gear units. However, there are also applications with particular requirements. In this case, we make targeted modifications to our modular industrial gear units to ensure they're a perfect match.

Frequently, the on-site circumstances are so specific that customized gear units are required to be produced in a single-unit batch. Thanks to our industrial expertise and decades of experience, we are able to build these special solutions in our own facilities – worldwide, no less. We always cooperate closely with our customers both locally and globally.

With SEW-EURODRIVE, you can therefore rest assured that you will always receive comprehensive and carefully tailored solutions for all torque ranges and areas of application. We also supply complete drive systems as a single package that covers everything from the drive motor to the gear unit coupling. Using proven, cutting-edge calculation tools, we optimize our drives to ensure they are designed to suit your exact requirements.





HOIST GEAR UNIT

Industry: **Mining**
 Operating torque: **1 800 000 Nm**
 Feature: **Power-split gear unit**



WINCH GEAR UNIT

Industry: **Mining**
 Operating torque: **335 000 Nm**
 Feature: **Power-split gear unit with patented torque support**



TUNNEL BORING MACHINE GEAR UNIT

Industry: **Mining**
 Feature: **51 metric tons**



ROTARY KILN GEAR UNIT

Industry: **Cement**
 Operating torque: **60 000 Nm**
 Feature: **Auxiliary drive installed directly on main gear unit; only one unit needs to be aligned**



VERTICAL MILL GEAR UNIT

Industry: **Cement**
 Operating torque: **Up to 60 000 Nm**
 Feature: **Axial thrust bearing**



VERTICAL MILL GEAR UNIT

Industry: **Cement**
 Operating torque: **Up to 135 000 Nm**
 Feature: **Sliding segments for the axial load**



GEAR UNIT FOR A SHIP UNLOADER

Industry: **Steel**
 Operating torque: **370 000 Nm**
 Feature: **Grab functions implemented with one gear unit**



BELT CONVEYOR GEAR UNIT

Industry: **Steel**
 Operating torque: **Up to 600 000 Nm**
 Feature: **Shiftable gear unit for two speeds**



HOIST GEAR UNIT

Industry: **Steel**
 Operating torque: **520 000 Nm**
 Feature: **Mechanical synchronization of two motors**



HOIST GEAR UNIT

Industry: **Steel**
 Operating torque: **Up to 482 000 Nm**
 Feature: **Differential drive: If a motor fails, the gear unit doubles its gear ratio, thus lowering the lifting speed. The hoist remains functional due to the redundancy built into the drive.**



HOIST GEAR UNIT FOR A LADLE CRANE

Industry: **Steel**
 Operating torque: **Up to 700 000 Nm**
 Feature: **Differential drive: If a motor fails, the gear unit doubles its gear ratio, thus lowering the lifting speed. The hoist remains functional due to the redundancy built into the drive.**



HOIST GEAR UNIT FOR A LADLE CRANE

Industry: **Steel**
 Operating torque: **Up to 700 000 Nm**
 Feature: **Differential drive: If a motor fails, the gear unit doubles its gear ratio, thus lowering the lifting speed. The hoist remains functional due to the redundancy built into the drive.**



CONTINUOUS CASTING LINE GEAR UNIT

Industry: **Steel**
 Operating torque: **18 000 Nm**
 Feature: **Water-cooled housing**



CONTINUOUS CASTING LINE GEAR UNIT

Industry: **Steel**
 Operating torque: **Up to 90 000 Nm**
 Feature: **Internal water cooling**



SKIN PASS MILL GEAR UNIT

Industry: **Steel**
 Operating torque: **39 000 Nm**
 Feature: **Direct exchange of the pre-existing gear unit (drop-in)**



ROLLING MILL GEAR UNIT

Industry: **Steel**
 Operating torque: **150 000 Nm**
 Feature: **Two independent sets of gear wheels in one special housing; low center distance between the output shafts**



ROLLING MILL GEAR UNIT

Industry: **Steel**
 Operating torque: **198 000 Nm**
 Feature: **With external pressure lubrication lines**



ROLLING MILL GEAR UNIT

Industry: **Steel**
 Operating torque: **203 000 Nm**
 Feature: **With external pressure lubrication lines**



ROLLING MILL GEAR UNIT

Industry: **Steel**
 Operating torque: **255 000 Nm**
 Feature: **Precise adaptation to the installation space**



MILL PINION GEAR UNIT

Industry: **Steel**
 Operating torque: **1 952 000 Nm**
 Feature: **Double helical gearing**



COILING SYSTEM GEAR UNIT

Industry: **Steel**
 Operating torque: **164 000 Nm**
 Feature: **Gear unit with hydraulic switching unit for controlling two speeds**



WIRE COILER GEAR UNIT

Industry: **Steel**
 Operating torque: **28 000 Nm**
 Feature: **Output shaft with a through going thrust shaft**



PRIMARY GEAR UNIT FOR A LEVELING MACHINE

Industry: **Steel**
 Operating torque: **3600 Nm**
 Feature: **Shiftable gear unit for two speeds**



SLAG POT CAR GEAR UNIT

Industry: **Steel**
 Operating torque: **13 700 Nm**
 Feature: **Precise adaptation to the installation space**



TUBE STRAIGHTENER GEAR UNIT

Industry: **Steel**
 Operating torque: **28 000 Nm**
 Feature: **Three output shafts**



LEVELING MACHINE GEAR UNIT

Industry: **Steel**
 Operating torque: **Dependent on the output shafts**
 Feature: **Accommodated in same housing:
 Drive unit and leveling machine shafts**



LEVELING MACHINE GEAR UNIT

Industry: **Steel**
 Operating torque: **Dependent on the output shafts**
 Feature: **17 output shafts**



BRIDLE ROLL GEAR UNIT

Industry: **Steel**
 Operating torque: **275 000 Nm**
 Feature: **Power-split gear unit with two motors driving
 one output shaft**



WINCH GEAR UNIT

Industry: **Steel**
 Operating torque: **670 000 Nm**
 Feature: **Direct exchange of the
 pre-existing gear unit (drop-in)**



SAW GEAR UNIT

Industry: **Steel**
 Operating torque: **7200 Nm**
 Feature: **Precise adaptation to the installation space**



CALENDERING LINE GEAR UNIT

Industry: **Rubber industry**
 Power rating: **3 × 132 kW**
 Feature: **Standard gear wheel parts from
 SEW-EURODRIVE in a special welded housing**



SUGAR CANE MILL GEAR UNIT

Industry: **Sugar**
 Operating torque: **163 000 Nm**
 Feature: **Power-split gear unit**



CLARIFIER GEAR UNIT

Industry: **Pulp and paper**
 Operating torque: **14 500 Nm**
 Feature: **Flange of the output shaft can move 900 mm in an axial direction and accommodate axial force**



TEST BENCH GEAR UNIT

Industry: **Aviation**
 Power rating: **Up to 160 kW**
 Feature: **Speed increase up to $N_2 = 9000 \text{ min}^{-1}$; complete drive package supplied by SEW-EURODRIVE**



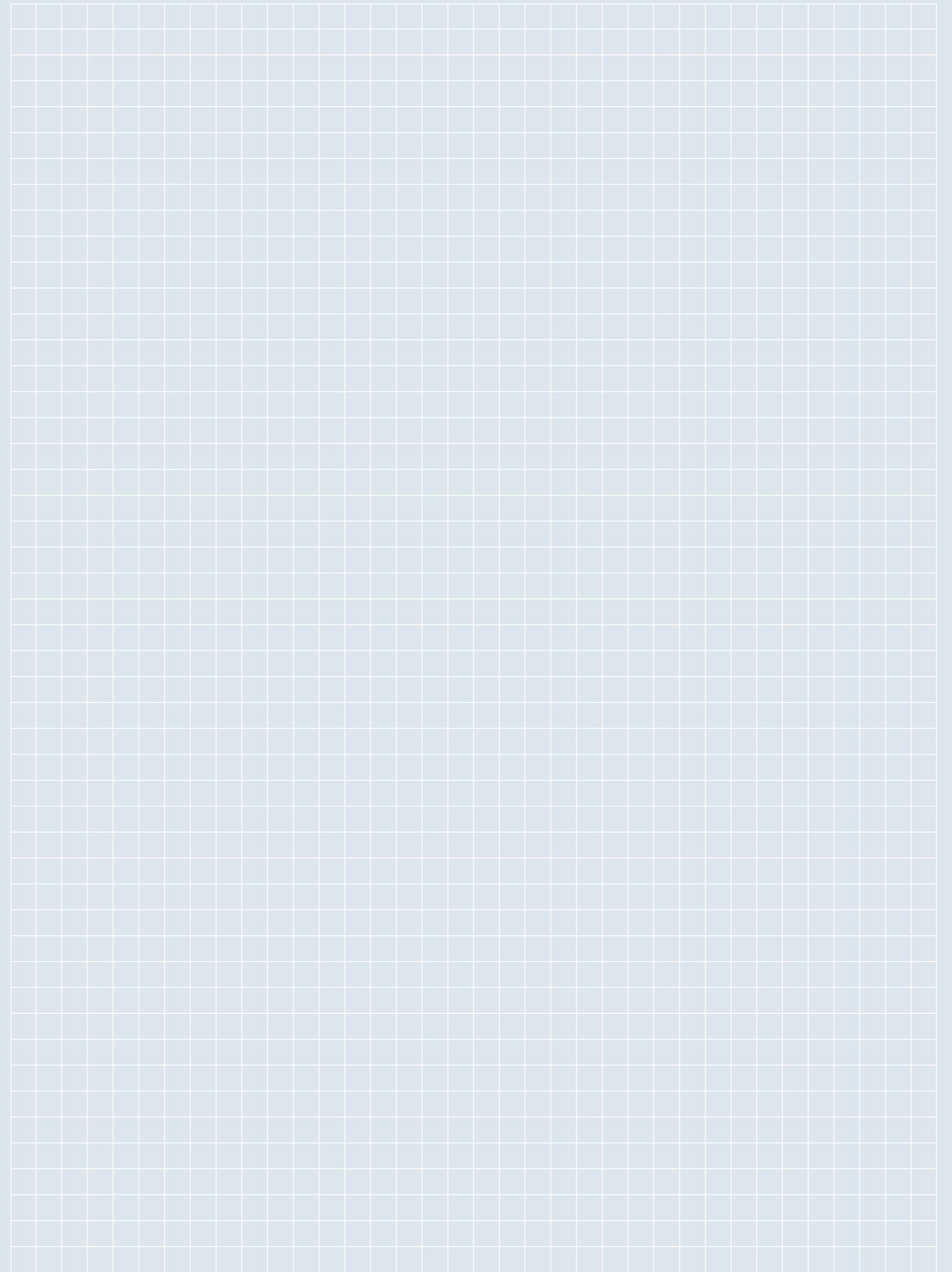
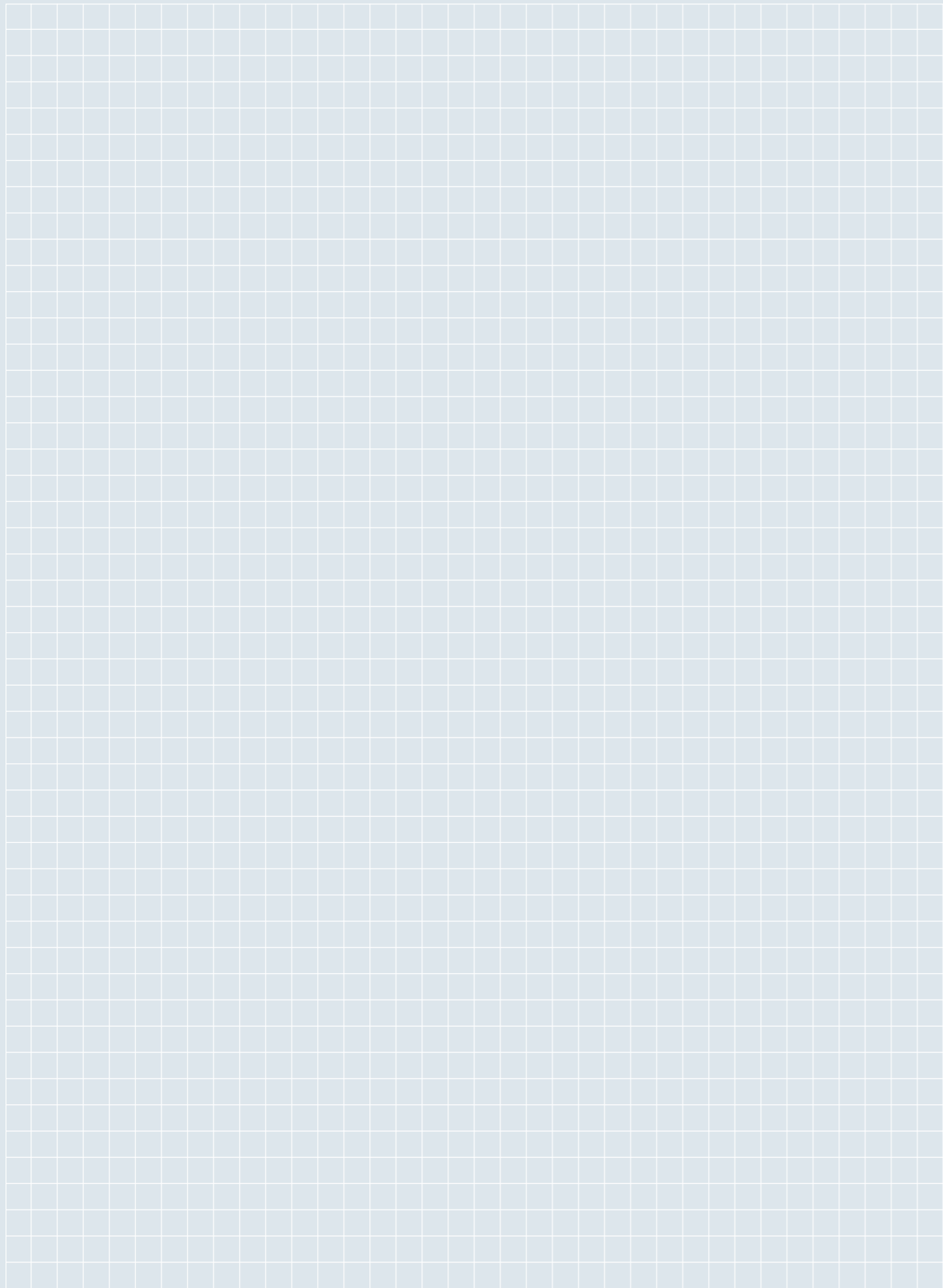
CABLE CAR GEAR UNIT

Industry: **Cable car engineering**
 Power rating: **380 kW**
 Feature: **Turnkey delivery including auxiliary drive and supporting frame**



TEST BENCH GEAR UNIT

Industry: **Marine**
 Power rating: **Up to 7500 kW**
 Feature: **N_2 up to 7150 min^{-1}**



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