



Operation

Spare Parts Service

Component manufacture for gear unit,
mechanical and plant engineering

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Your requirements

- **Information requests and ordering for spare parts** (gear wheels, shafts, turned parts, milled parts, etc.)
- **Custom manufacture of** spare parts that are no longer available or are customer specific
- **Technical support from experts** when asking about spare parts and placing orders
- **Minimization of downtimes and fast order processing** by asking about spare part-specific data and documents (prices, drawings, etc.) early on.

Our services

- Manufacturing requested spare parts based on a sample or drawing
- Engineering and producing prototypes and sample parts
- Creating complex engineering and production drawings
- Reworking damaged or worn mechanical components (e.g. gear unit housings) and spare parts
- Providing advice and technical support
- Supplying specific data and documents (techn. data & documents, material certificates, test protocols, etc.).



Our services

Manufacturing portfolio:

- **Helical gears** from \varnothing 10 mm to 1500 mm, module 0.3 to 20, helix angle up to 45° , international standards in DP and CP
- **Worm gears** from \varnothing 10 mm to 900 mm, module 0.5 to 20
- **Bevel gears** from \varnothing 10 mm to 750 mm, module 0.5 to 12, also with helical toothing \varnothing 300 mm
- **Helical gears** from \varnothing 10 mm to 1500 mm, module 0.3 to 20, helix angle up to 45° , international standards in DP and CP
- **Sprockets** from \varnothing 10 mm to 1500 mm, pitch 5 mm to 100 mm, pitch from $\frac{1}{4}$ inch to 3 inches
- **Gear racks** up to module 20, also in polished finish
- **Toothed hubs and involute splined shafts** DIN 5482 shafts of all types (hollow shafts, solid shafts and splined shafts)

Manufacturing processes:

- **Milling and shaping** all splined shafts DIN 5461 to DIN 5465, DIN 5471 and DIN 5472, all Lorenz involute gear connections DIN 5480, all serrated shafts DIN 5481
- **Shaping** of spur gears up to module 12, external \varnothing of 1000 mm and internal \varnothing of 1000 mm, revolution \varnothing 1300 mm
- **Keyway slotting** of workpieces with a maximum \varnothing of 2000 mm, maximum height of 700 mm, maximum keyway length of 500 mm – also with inclination
- **Keyway broaching** with keyway widths up to 100 mm, keyway lengths up to 700 mm – also with inclination
- **Lapping** of hardened bevel gears
- **Face grinding** 2000 mm long, 800 mm wide, 700 mm high (on magnetic plate)
- **Cylindrical grinding** up to \varnothing 515 mm, 3000 mm between centers
- **Internal cylindrical grinding** with \varnothing 600 mm, depth 500 mm, maximum swing 800 mm
- **Gear grinding** from \varnothing 10 mm to 800 mm, module 0.9 to 16, international standards in DP and CP
- **CNC turning** with a maximum of 1250 mm turning \varnothing over bed, maximum of 850 mm over carriage, distance between centers is 6000 mm
- **5-axis milling** 4000 mm x 1000 mm clamping table, travel distance 4000 mm x 1200 mm x 1500 mm high, with rotary table \varnothing 1200 mm



Your added value

- **One central contact person** for spare parts from all manufacturers and for customer-specific component manufacture
- **Broad-based manufacturing and gearing portfolio**
 - Comprehensive production options for all materials (production technology and component size)
 - Manufacturing in original quality to SEW production standards
 - Production of single parts, small-series and medium-series manufacturing
- **Maximum flexibility and adherence to deadlines**
 - Fast and flexible implementation of complex designs thanks to many years of production and engineering experience
 - Developing bespoke customer solutions based on comprehensive technical consulting and engineering services

> Something else that might interest you

Supporting resources & tools

- CDM® database
- Online Support / spare part selection

Supplementary services

- Repair
- Inspection & maintenance
- Retrofitting
- 24h Service Hotline
0800 7394357 / 0800 SEWHELP

Figures that speak for themselves

We manufacture the most demanding designs to the highest quality standards and customer-specific requirements

> 2500

customer-specific
spare parts per year

> 60

years of experience
in manufacturing
components

Far-reaching

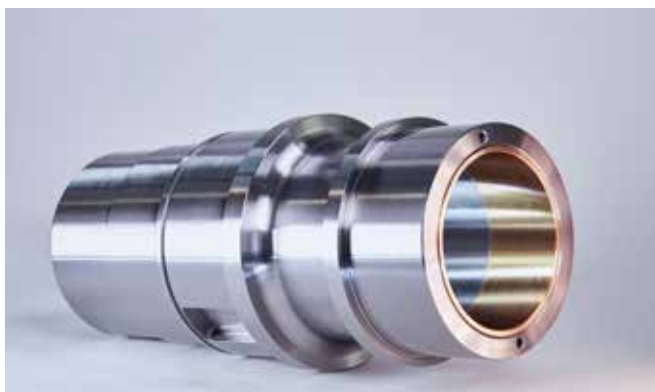
across all sectors and
applications



Learn more about our
Life Cycle Services

> www.sew-eurodrive.de/en/life-cycle-services

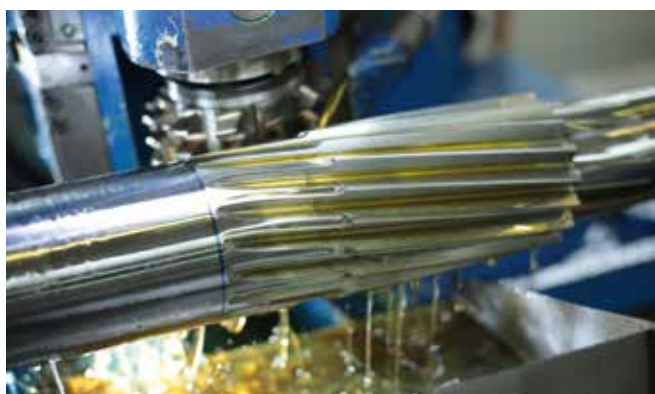
Our manufacturing



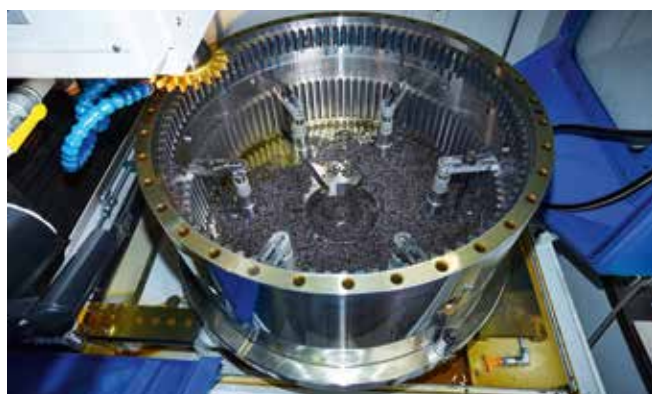
Hollow shaft with bushing



Machining a bevel gear



Gearing on a pinion shaft



Shaping internal gearing



Gripper claw



End-to-end machining of bearing bushing



Housing cover with ventilation holes



Coupling sleeve with internal and external gearing

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The Spare Parts Service is part of our service offerings throughout the entire system life cycle.

> www.sew-eurodrive.de/en/life-cycle-services

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