

# Component and contract manufacturing

## Fast and reliable

In the field of drive technology, Liebherr supplies both complete components and a vast range of gearing in contract manufacturing. We use state-of-the-art CNC machines at our production facilities. Short lead times, high quality standards and high customer satisfaction make us stand out as a reliable partner.

### You need extra capacity? We can help!

We will produce workpieces to customer specifications, either as series production parts or as prototypes. Our plant operates a wide range of different CNC gear cutting and gear testing machines, all of the latest generation.

Gear hobbing, gear shaping and gear grinding machines feature quick-conversion automation systems. The existing range of tools allows us to cover practically all commonly encountered gear types.

- External and internal gears and shafts: max.  $\varnothing$  500 mm – module 0.3 – 12 mm
- Spur / helical or tapered: max.  $\varnothing$  500 mm – to module 12 –  $\pm 45^\circ$
- Herringbone gears: on request



### Range of parts:

- Gears
- Shaft gears
- Couplings
- Compound
- Worms
- Worm wheels
- Components, including assembly

### ISO 9001:2008 certification

Our high quality standards prompted us to implement the internal standards for quality management systems into our tool department as long ago as the 1990s. The benefits of this can be seen in the high degree of customer satisfaction and are highlighted by the success of our products in the market.



### CNC Machines:

A very high depth of production means that all processes are covered in house. Gear checking and 3D testing machines guarantee quality. Our range of machines includes:

- Gear shaping machines
- Gear hobbing machines
- Profile and generating grinding machines
- Internal and external cylindrical grinding machines
- Turning centres
- Milling centres



Liebherr-Verzahntechnik GmbH  
Hertzstrasse 9-15, D-76275 Ettlingen  
☎ +49 (0)7243 708-801, Fax +49 (0)7243 708-820  
E-Mail: jobshop@liebherr.com,  
www.liebherr.com

# LIEBHERR