



Competence



Innovation



Perfection

Your first stop for  
customer-specific drive solutions

# From development to mass production – we're your specialist for customer-specific drives

... and have been for more than 70 years

We see ourselves as a drive specialist for customer-specific drive technology based on defined platforms. As a financially independent family business, we work with a wide variety of industries. With over 300 employees at two locations, we produce various types of electric motors, gearmotors and electronic assemblies in the power range of up to 15.5 kW.

You can find Heidrive motors wherever sophisticated drive technology is needed. We collaborate with our customers to meet their specific requirements by developing custom drive solutions based on standard products. In special cases, we design brand-new drive concepts for individual applications.

## Our core products

### Motors:

- Asynchronous/synchronous motors up to 15.5 kW
- Capacitor motors
- Three-phase motors
- Servomotors
- EC motors

### Gears:

- Helical gears up to 80 Nm
- Helical bevel gears up to 100 Nm
- Flat gears up to 80 Nm
- Worm gears up to 20 Nm
- Also available with an optional planetary gear unit

### Electronic controls:

- Servo drives up to 15.5 kW
- EC controllers up to 0.50 kW



Our location in Kelheim, Germany, with over 300 employees makes us one of the largest employers in the region.

## Our customers enjoy the benefits:

Drive/system solutions based on a  
sophisticated modular system

Skilled, experienced project management  
team

High production depth for flexibility and  
speed

Excellent service

Innovative, creative, state-of-the-art drive  
technology

Everything from a single source –  
from stand-alone motors to all-in-one drive  
solutions

Years of experience in our own research and  
development centre

Optimum quality – in everything we do



## Competence

For you, that means more than 70 years  
of experience in drive engineering. Each  
year, we produce some half million  
electric motors, gear units and electronic  
controllers for up to 15.5 kW.





## Innovation

Over 180 patents attest to our company's creative power. We are constantly developing new products in our research and development centre, as well as in cooperation with external partners and technical universities, to meet market requirements and set new trends in the field.

## Your custom drive solution – with advanced technology and optimized costs

Our extensive product range, years of experience in applications and customer-specific innovations allow us to meet these standards – even for small and medium-sized production quantities. Design-to-cost and time-to-market are key terms in our daily work that help us to achieve your goals cost-effectively.

## Energy efficiency for all our drives

Long before the new EU directive on assignment of **energy efficiency classes** goes into effect, this topic is already a standard element of the way we design and develop our drive systems at Heidrive.

We also guarantee that all our products are **free of paint wetting impairment substances** to prevent defects and contamination in, on or by the finished product.

Since 2015, Heidrive has also been certified according to the **Eco Management and Audit Scheme**. **EMAS** is the world's most sophisticated system for sustainable environmental management.



## Cutting-edge production techniques for optimum quality

We use our extensive specialist knowledge, network of excellent business partners and state-of-the-art production technology to produce top-quality drives.

Our employees work based on our certified quality management system.



## Perfection

Customers from a wide variety of industries value our wealth of experience, as well as the high quality and reliability of our products. For example, we supply customers from the medical and laboratory technology, plant and apparatus construction and textile industries. We also have customers in the mechanical engineering and special engineering, HVAC, aerospace and printing sectors. Customers from the food and beverage, manufacturing and environmental engineering industries also rely on Heidrive drives.

Major companies from a wide variety of industries rely on the high-quality products we offer.

#### AC motor for laboratory centrifuges

This powerful AC motor with an output power of 1 kW and a speed of up to 28,000 rpm features a compact design, smooth running and proven performance in laboratory centrifuges.



#### Asynchronous servo drive for aerospace applications

The compact, powerful asynchronous servomotor with a speed of up to 4,500 rpm is used in aerospace technology. Because the coil is completely enclosed in the motor housing, this motor has a particularly high protection rating. Equipped for extremely reliable use under the harshest conditions.



#### Robotics – linear servo drive for welding tongs

Synchronous servomotor based on our standard HMP04 motor. It features an excellent hall sensor. The threaded spindle with a threaded nut is integrated directly into this servomotor.



### Parallel-shaft helical gearmotor for solar tracking systems

The IP65 drive unit has an output power of 150 W and a maximum torque of 180 Nm. Both the brake and the capacitor are integrated into the motor housing. The gear unit was adapted to our customer's requirements with a reinforced drive bearing and a special winding system.



### Capacitor motor with helical gear unit for pellet furnaces

The gearmotor unit is designed especially for heating applications. The drive was designed for maximum durability and energy efficiency with constantly changing shock loading. The compact design means that it can be integrated directly into the pellet screw feeder.



### Helical-worm gear unit with AC motor for the printing industry

The requirement for this motor was a particularly high level of synchronization for the printing industry. The special form of the gearing components meets this requirement. Heidrive helical-worm gear units have ball bearings to allow high axial and radial loads. The gear units are filled with synthetic oil and sealed, so no maintenance is required.

The compact design enables continuous torques of up to 20 Nm in minimal space.



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