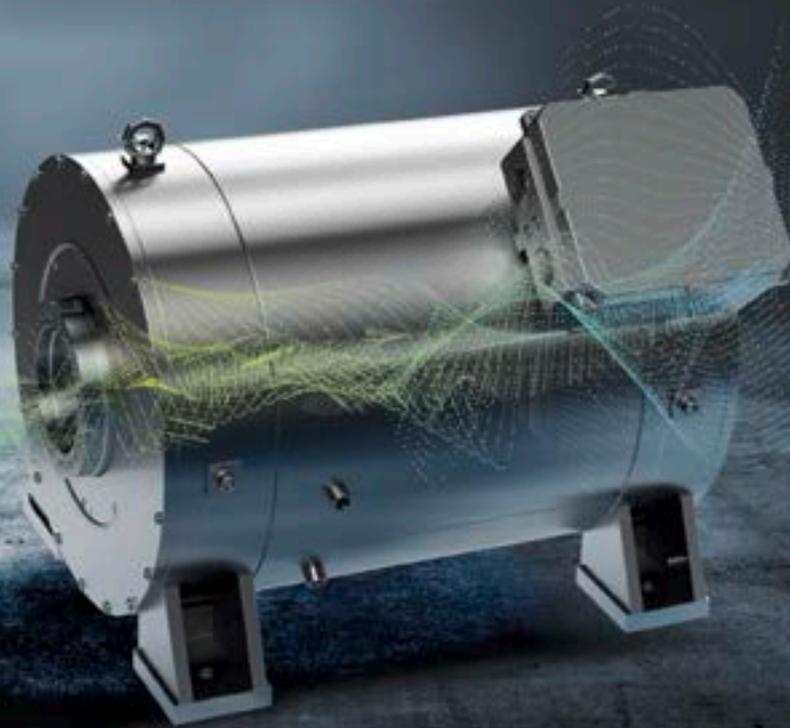


Speed or power?

Our drive.
made-to-measure



We are EW HOF – Your partner for made-to-measure drive solutions

Whether speed or power, each of our drives fulfils its task to 100%. Let us prove it to you.

We at EW HOF have developed and manufactured innovative drive solutions for more than 60 years. While experience and competence form the basis for our customised solutions, our pursuit of innovation is the constant motor for tailor-made top level electrical drives. Whatever challenge you give us, we will find the right solution together.

What can you count on from us?

- personal advice
- honest cooperation
- long-term business relationships

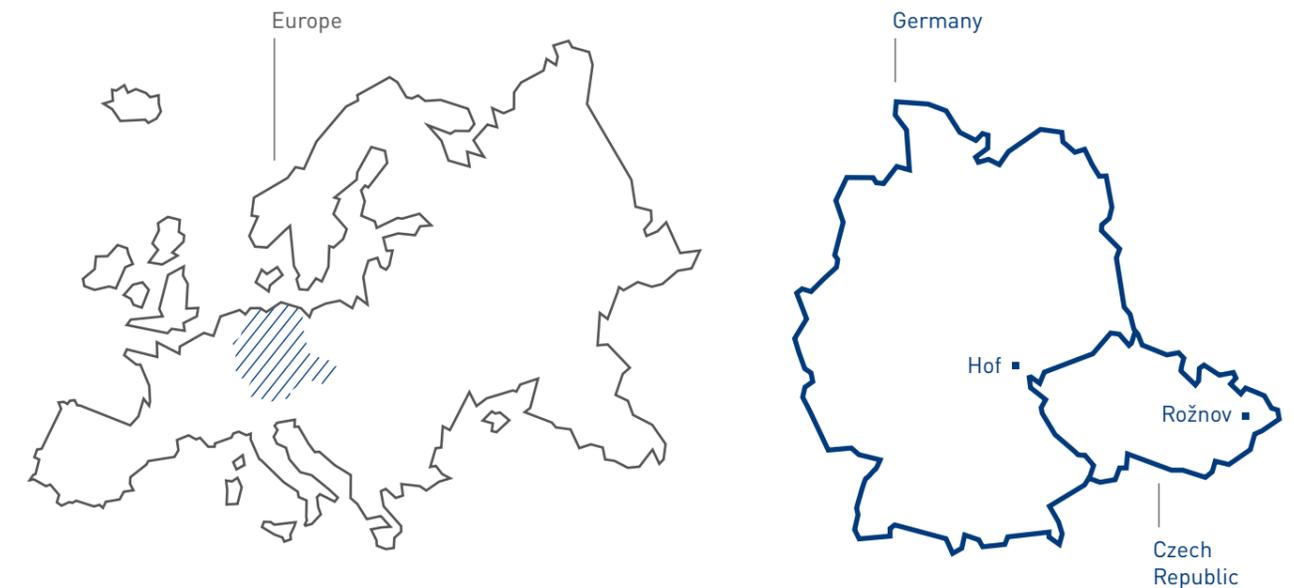
In our think tank, the drives of tomorrow are created. Maybe also yours?



Our two sites – a perfect unit

Our team at our sites work hand in hand for your made-to-measure drive solution at the highest level.

We are passionate special machinery manufacturers, which is why we concentrate on tailor-made solutions for the individual needs of our customers. Our team consists of enthusiastic employees who are always on the lookout for the ideal drive solution. And we can say that we are always successful in this search. This is because the search for what is new and decades of experience result in the best products.



Our sites

Hof / Saale

- Development
- Design
- Distribution
- Financing / controlling

Rožnov pod Radhoštěm

- Mechanical production
- Electrical production
- Impregnation
- Painting
- Test ground
- Toolmaking
- Mould making
- Quality assurance
- Purchasing
- Shipping
- Repair and service
- Production equipment design

Our product range is growing constantly – like our know-how

Our passion is for innovative, sustainable electric motors and generators

Individual drive solutions and service from one source

We rely on professional, comprehensive support for the success and satisfaction of our customers.



Our success chain



Each realised product is based on our competencies. We are expanding these every day as part of the further development of our product range. Our expertise grows constantly; our inventive spirit impels us—so that we can offer you excellent drive solutions. While others come up against their limits, we are pushing the envelope.

We cover the entire added value chain - from idea, advice and development of your electric motor to serial production. With us at your side, a custom solution will emerge that is well thought-out and tested. Our premise for each product is to provide you with a high quality, reliable and durable product.



Tailor-made drive solutions for your application

Whatever the challenge you set us, we will master it with our individual drives from EW HOF.

We don't just offer electric motors, but rather drive solutions that are perfectly tailored to your requirements. Our products are high quality, durable and sophisticated, because we are experts in our field.

We have been developing and producing drives for our customers for decades. This is how we became a highly appreciated solution provider. Our product range is a testament to our passion. We work closely together with you, from development of the motor to readiness for serial production. The result? Your tailor-made drive.

Torque motors



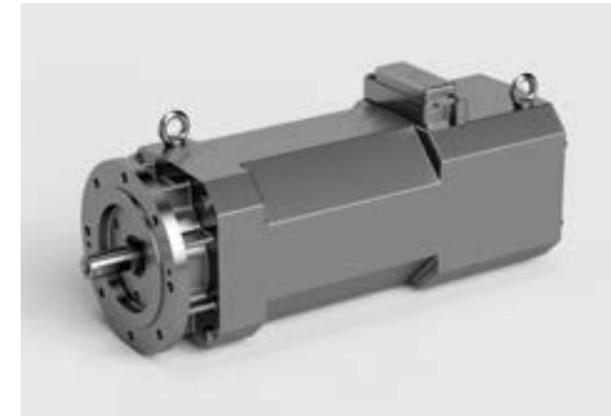
As direct drives, torque motors from EW HOF replace the classic combination of asynchronous standard motor and transmission or conventional hydraulic solutions.

This involves multi-pole permanently excited synchronous motors with high torques at low speeds that are designed to be either water- or air-cooled. We not only offer you drive solutions that are individually adjusted to your interface.

Our torque motors are typically used in plastic and recycling machines, presses, winches, ship drives and mobile application as well as generators for wind and water power turbines.

Power range — 20 – 1,700 kW	Rotation speeds — 50 – 1,250 min ⁻¹	▪ SECT series	▪ compact design
Torques — up to 65,000 Nm	models — liquid- or air-cooled	▪ high torques at low rotation speeds	▪ maintenance-free/ low maintenance
		▪ high dynamics	▪ good adjustability
		▪ high efficiency factor	▪ very smooth running/ low noise
		▪ high energy efficiency	▪ optional for open or semi-open cooling systems
		▪ maximum power density	

Synchronous motors



We use high quality rare earth materials for our synchronous motors; these facilitate compact design to achieve maximum power densities.

Our permanently excited synchronous motors are suitable for use in wind power turbines, machine tools, vehicle drives, printing machinery industry and metal processing. At the same time, we adjust your drive solution precisely to the operating point of the particular machine.

Power range — 3 – 400 kW	Ventilation — axial or radial	▪ SEC series	▪ Combination with pulse generators, sine-cosine encoders, encoders, brake and transmission
Protection class — IP 23 – IP 55	Model — liquid- or air-cooled	▪ maximum power density	
		▪ high overload capability	

Asynchronous motors



We adjust our air- or water-cooled asynchronous motors to the application in hand and to the particular working point of the machine and the frequency converter used.

They are used as main or auxiliary drives in many production machines or in vehicle dynamometers. Whether it is used in mechanical or plant engineering, the paper or metal-processing industry, or as traction motors in vehicle and rail technology, the asynchronous motor is the right choice for the most versatile applications.

Power range — 3 – 600 kW	Voltage — up to 690 V	▪ DA and AM series	▪ Combination with pulse generators, sine-cosine encoders, encoders, brake and transmission
Protection class — IP 23 – IP 65	Special rotational speeds — up to 10,000 min ⁻¹	▪ high power density thanks to compact design	
		▪ air- or water-cooled Model	

DC motors



We offer you DC motors in three basic series. The GV series features a fully-laminated design without housings, which is outstandingly suitable as main drive in many production machines.

The GM and GO series have a stator frame and are cooled via the surface. We would be pleased to find the ideal solution for you: motors of different types and ventilation versions adjusted to customised interfaces.

Power range — 0.2 – 380 kW	Protection class — IP 21 – IP 65
Voltage range — 110 – 600 VDC	Heat class — F/H

- GV, GM, GO series
- fully-laminated or solid
- various ventilation versions
- Protection class IP 21 – IP 65
- Heat class F or H
- Combination with speedometer, pulse generator, brake or transmission

Battery-operated motors



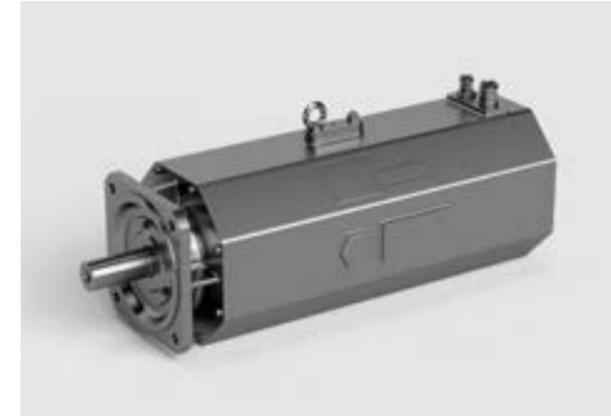
We provide you with solutions for AC and DC systems with our battery-operated motors.

These are used, for example, in rail, vehicle and factory truck technology and provide functions such as driving, steering and lifting. Whether as a drive in a boat, rail vehicle or fork lift truck, we adjust our battery-operated motors individually to your requirements and to the operating point of the machine. This gives you a drive solution optimally adjusted to the vehicle and control.

Power range — 0.2 – 32 kW	Battery voltage — 24 – 110 VDC
Protection class — IP 00 – IP 65	Ventilation systems — variable

- GN, GM and DK series
- optionally DC or AC technology
- explosion-protected models
- Combination with pulse generators, sensor bearings speedometer, transmission, brake and pump

Explosion-proof motors



You can also get all of our motors as explosion-proof models. We offer you our extensive know-how in the structural design and requisite approval.

Irrespective of the motor technology, the different models can be combined for explosion protection. The sub-division of explosive atmospheres into gases or dusts in the respective zones determines the areas of use of these motors. Our explosion-protected motors can frequently be found in power stations, chemical plants, mills and agitators as well as in material handling technology.

Ignition protection types — db, dc, eb, ec	Temperature classes — T3 – T6	▪ Gas and dust explosion protection	▪ for use in zones 1, 2, 21 and 22
Equipment group — II and III	Category — 2 – 3	▪ optionally as DC or AC drive	

Generators



Our asynchronous and permanently excited synchronous generators are distinguished by their long service lives and low maintenance effort.

The generators are used both in bus, rail and vehicle technology as well as in combined heat and power coupling in CHP plants. We can also supply you with torque generators for designs with a low rotational speed for process-related reasons, as in wind and hydroelectric power plants. You can be sure of one thing at EW HOF: We will find the appropriate solution for you – also for use at high ambient temperatures.

Power range — 2.5 – 90 kW	Heat class — F/H	▪ DAG and SECG series	▪ One and two-bearing model or installation kit
Protection class — IP 21 – IP 65	Model — liquid- or air-cooled	▪ maximum efficiency factors	▪ Grid-connected / stand-alone operation
		▪ compact design	▪ SAE flange or customised attachment

Comprehensive competencies for uncompromising quality

Our electric motors not only form the centrepiece of your machinery and equipment. They are also the best proof of our competence.

Mechanical design and simulation



We use the latest design and analytical software for the mechanical design and simulation.

Mechanical production



We offer conventional mechanical production as well as CNC processing for drilling, turning, milling and grinding.

Electrical calculation and simulation



We work with special analytical calculation programs for DC and asynchronous motors.

Electrical production



We produce coils in round wire or flat wire design and rely on high quality insulating materials and vacuum impregnation.

Attachment and integration



We take care of the professional attachment of components and integrate particular functions.

Final assembly



In the cell or flow-line production, we can offer individual part handling up to 8 tons and in addition the the complete assembly of attachment components.

Checking and testing



We have over six test facilities for load tests up to 55,000 Nm and we use a water recooling system for motors and converters.

Painting



We have two modern painting cabins in which we can implement our customers' painting instructions in one- or multi-coat structure.

Sophisticated custom solutions for many different applications

Looking for an individual sector solution? Then you will find what you are looking for here - guaranteed.

Overview of our sector competences:



Industry

Our reliable electric motors are optimally suited for use in industry. Interested? Find out more about our broad product range and the application areas.



Energy

Our product range includes tailor-made, durable drive solutions for a great variety of energy systems. Give us a challenge.

Our drive for your application – an unbeatable team. Together, we can find or invent the ideal solution.



E-mobility

We offer individual, high-performance drive solutions for the mobility of the future. We would be pleased to present our products for use in e-mobility.

We have been successfully deploying innovativeness and experience for our customers for decades. This gives us the confidence that we will also be able to solve the challenges of the future with our drives.

Jürgen Kluge,
Managing Director



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OUR DRIVE. YOUR SOLUTION.

