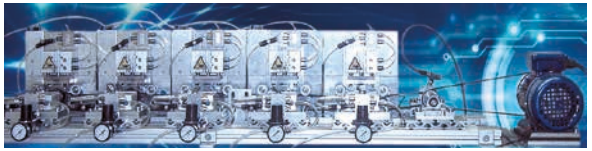
Fits for everything

Our portfolio includes both **incremental** and **absolute** encoders. The incremental versions offer up to 25,000 pulses per revolution.
The **WDGN** series can be conveniently configured via smartphone using **NFC**.
We also offer speedMATE®, a contactless, optical incremental encoder for speed and length measurement.
Our absolute encoders support a wide range of industrial **interfaces** such as PROFINET, EtherCAT, EtherNet/IP, IO-Link, SSI, CANopen, CANopen Lift, SAE J1939 and RS485. Thanks to an integrated web server, the desired bus protocol can be set directly in the device for our universal IE encoders – for maximum **adaptability** in modern **automation environments**.



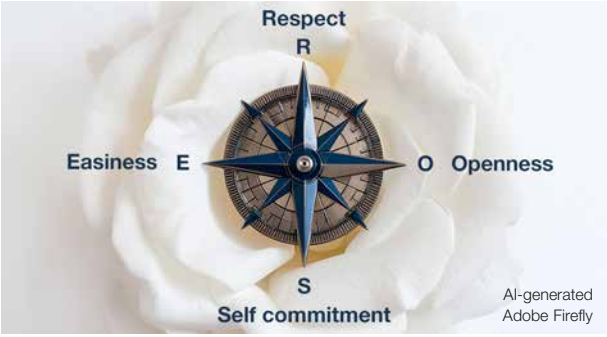
Long-term ball bearing test for 500 N radial/axial

The **draw-wire systems** are available in various lengths and designs and can be flexibly adapted to different applications. Our **length measurement systems** with patented indexing ensure maximum **installation safety** – ideal for use in demanding machine concepts.

Suitable accessories

Complete your solution with pre-assembled cables and connectors, couplings for every application, mounting accessories for quick installation, torque supports and shaft adapters.

Our values, our guidance



The image of the rose symbolises our company values at Wachendorff – the guiding principles that unite us internally and shape our daily teamwork.

Contact

https://www.wachendorff-automation.com/contact

For further information, please contact:

WACHENDORFF
The Encoder Experts

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2025

WACHENDORFF
The Encoder Experts

We are „The Encoder Experts“

wachendorff-automation.com

DEVELOPED AND
MADE IN GERMANY
5 YEARS WARRANTY

c UL us
LISTED

IndustrieROBUST

Competence in every turn

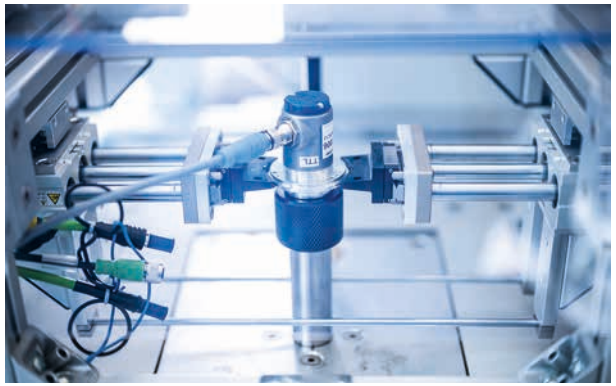
As one of the world's most **innovative** manufacturers of **encoders**, we stand for the highest **quality** and **reliability**. With **over a million devices** in use and more than **30 years of experience** in demanding **industrial applications**, we have established ourselves as a trusted partner.
Our products are designed for use in harsh environments and are fully qualified and manufactured in Germany. We support our customers with comprehensive **expertise** from the initial idea to series production.

We assemble your rotary encoder from our modular system.

Unique technologies

Our encoders are based on innovative and unique technologies. **EnDra® multi-turn technology** does not require a battery or motor and uses the energy of a changing magnetic field – for a maintenance-free and environmentally friendly solution.
With **QuattroMag®**, we offer maximum precision in the single-turn range: magnetic scanning with impressive angular resolution. Depending on the application, we use **magnetic** or **optical** technologies to ensure maximum robustness and accuracy.

LeanQ: Computer-controlled assembly throughout with one-piece flow.



Data-based automatic final test.

Everywhere in action

Our encoders are used in numerous **industries**: wind energy, mechanical and system engineering, marking and labelling systems, logistics and driverless transport systems, heavy industry, mobile machinery, lift construction, industrial automation, cranes, aerial rescue vehicles and many more.

Precise positioning in the capping and labelling machine.

Control of the azimuth motors for rotating the nacelle of the wind turbine.