



KEB

#rethinkAUTOMATION

THE SYSTEM SOLUTION

EN PORTFOLIO

The meaning of #rethinkAUTOMATION

Rethink your machines and systems – from the IIoT to the brake. KEB Automation offers you innovative automation and drive solutions from a single source.

Whether it's the new NOA automation platform, modern inverters or powerful motors: our products are holistic, flexible, open, independent and individual. For the best performance of your machine.

YOUR APPLICATION

- Intralogistics
- Plastics technology
- Woodworking machinery
- Pack & Food
- Process technology and much more.

OUR SOLUTIONS

- IIoT platform
- Control technology
- Drive controllers
- (Geared) motors
- Brakes and clutches

The KEB logo is displayed in white, bold, sans-serif capital letters on a red rectangular background. The background of the entire page is a blurred industrial scene with blue and orange lighting, featuring mechanical components and a control panel.



HOLISTIC

One point of contact for everything: as a system provider, we supply the complete drive for your application.

FLEXIBLE

Scalable safety functions, various power classes or diverse cooling methods: our products adapt to your needs.

OPEN

Do you want to keep your existing control system? KEB components can be seamlessly integrated into existing systems.

INDEPENDENT

We are an owner-managed company with a high level of vertical integration and in-house research and development.

INDIVIDUAL

Standard was yesterday: We focus on your personal requirements and find the best automation and drive solution.

IIOT and AUTOMATION



(Next Open Automation) is an open and flexible automation and IIoT platform that makes it possible to capture, visualise and analyse machine and process data.

- Open architecture
- App integration
- Cloud connection

Engineering tool COMBIVIS studio 6

- IEC 61131-3 development environment
- Extensive libraries and databases
- Commissioning and diagnostic tools

Visualisation with HELIO

- Works anywhere: future-proof and flexible thanks to true responsiveness
- Usability out of the box: HELIO takes over the UX design for you
- Live & direct: edit with real live data from the plant



Web HMI – C6 X1

- Capacitive multi-touch screens
- Sizes from 7" to 21.5"
- Various mounting options, versatile

Panel-, box-, book mount, DIN rail IPCs and I/O systems

- Scalable, centralised and decentralised IPC solutions
- EtherCAT master incl. Safety over EtherCAT
- Safety PLC, safety I/O module

COMPACT 3 – Embedded Automation Device

- Real-time capable motion control
- Versatile application possibilities
- Container-based technology



DRIVE SYSTEMS

DRIVE CONTROLLER AND SERVO DRIVES

- Servo drive COMBIVERT S6 in book format for a rated current of 2.6 A to 16.5 A
- Frequency inverter and servo drive COMBIVERT F6 for the power range from 2.2 kW to 450 kW
- Different installation and cooling types
- Versatile motor control with or without encoder
- Flexible communication interfaces
- Integrated safety functions
- Optimised control algorithms for high energy efficiency



Power supply / regeneration systems up to 1,000 kVA

- For DC supply of several drives
- Generate regenerative braking energy from processes
- Reduce operating costs



EMC, mains and motor filters

- Optimisation of the mains or motor-side connection
- Protect motor windings, reduce harmonics
- Integrated in drives or as a modular solution



MOTORS

Three-phase motors up to 45 kW

- The robust, versatile electric drive
- Compatible with brake, encoder, external ventilation, etc.
- Optimised for operation on the inverter

Servo motors up to 500 Nm

- Highest dynamics with up to 5 times the nominal torque
- Permanent magnet servo motors
- With or without feedback (resolver, single or multi-turn absolute encoder)



GEARS

Helical geared motors up to 13,600 Nm

- High reliability
- Compact design
- Wide gear ratio
- The first choice for the horizontal output in modern systems

Helical worm geared motors up to 1,160 Nm

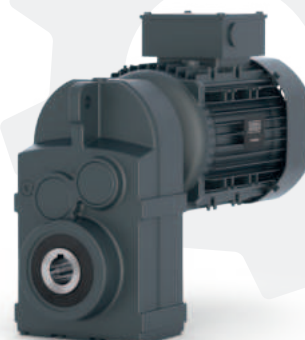
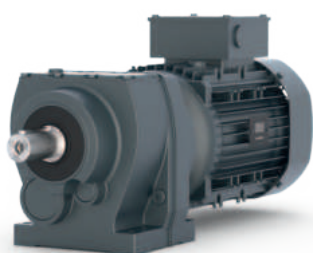
- Good efficiency thanks to the upstream helical gear stage
- High torque and low speed
- Mallest installation space with lateral output

Shaft mounted helical geared motors up to 8,900 Nm

- Convenient mounting options
- Robust and durable construction
- Optimal performance

Helical bevel geared motors up to 12,200 Nm

- Optimal efficiency factor,
- Wide speed range
- Perfect solution for designs with lateral output



BRAKES and CLUTCHES

Over 50 years of experience in the design, manufacture and application of electromagnetic solutions for safe holding, starting, stopping or positioning.

Spring-applied brakes up to 4,000 Nm

- COMBISTOP series
- Fail-safe principle for maximum safety
- Maintenance-free and easy to install

Electromagnetic brakes and clutches up to 1,250 Nm

- COMBINORM series
- Fail-safe operation
- Backlash-free torque transmission

Permanent magnet brakes up to 194 Nm

- COMBIPERM series
- Holding brake with emergency stop function
- Holding without torsional backlash and disconnecting without residual torque
- Closed in the de-energised state



APPLICATION SOLUTIONS

E-MOBILITY

Modular inverter system

- For driving auxiliary units
- Flexible in three sizes of 16.5 A, 33 A and 60 A
- Suitable for up to six independently drivable electric motors
- Includes control unit for regulating individual system properties
- Communication gateway for vehicle control

WIND POWER

Clean energy from onshore and offshore applications

- In large wind power plants
- Control of energy quantities with KEB pitch systems and yaw / azimuth drives
- Protects systems from overload conditions



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THE COMPLETE WORLDWIDE KEB PARTNER NETWORK



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