



**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 image of industrial machinery with blue and orange lighting effects.





## **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



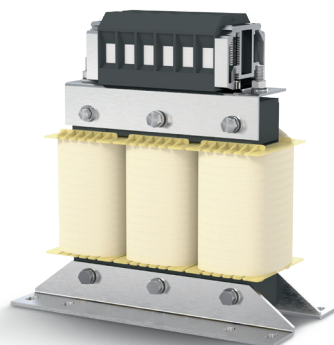
### Power supply / regeneration systems up to 1,000 kVA

- 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



## KEB'S COUNTRY ORGANISATIONS

### **Austria** | KEB Automation GmbH

E-Mail: [info@keb.at](mailto:info@keb.at) Web: [keb-automation.com](http://keb-automation.com)

### **Benelux** | KEB Automation KG

E-Mail: [info.benelux@keb.de](mailto:info.benelux@keb.de) Web: [keb-automation.com](http://keb-automation.com)

### **Canada** | KEB Canada

E-Mail: [sales@keb-automation.ca](mailto:sales@keb-automation.ca) Web: [keb-automation.ca](http://keb-automation.ca)

### **Czech Republic** | KEB Automation s.r.o.

E-Mail: [info@keb.cz](mailto:info@keb.cz) Web: [keb-automation.com](http://keb-automation.com)

### **France** | Société Française KEB SASU

E-Mail: [info@keb.fr](mailto:info@keb.fr) Web: [keb-automation.com](http://keb-automation.com)

### **Germany** | **Geared Motors**

KEB Antriebstechnik GmbH

E-Mail: [info@keb-drive.de](mailto:info@keb-drive.de) Web: [keb-automation.com](http://keb-automation.com)

### **Germany** | **Headquarters**

KEB Automation KG

E-Mail: [info@keb.de](mailto:info@keb.de) Web: [keb-automation.com](http://keb-automation.com)

### **Italy** | KEB Italia S.r.l. Unipersonale

E-Mail: [info@keb.it](mailto:info@keb.it) Web: <https://blog.keb.it>

### **Japan** | KEB Japan Ltd.

E-Mail: [info@keb.jp](mailto:info@keb.jp) Web: [keb.jp](http://keb.jp)

### **P. R. China** | KEB Power Transmission Technology (Shanghai) Co. Ltd.

E-Mail: [info@keb.cn](mailto:info@keb.cn) Web: [keb.cn](http://keb.cn)

### **Poland** | KEB Automation KG

E-Mail: [roman.trinczek@keb.de](mailto:roman.trinczek@keb.de) Web: [keb-automation.com](http://keb-automation.com)

### **Republic of Korea** | KEB Automation KG

E-Mail: [vb.korea@keb.de](mailto:vb.korea@keb.de) Web: [keb-automation.com](http://keb-automation.com)

### **Spain** | KEB Automation KG

E-Mail: [vb.espana@keb.de](mailto:vb.espana@keb.de) Web: [keb-automation.com](http://keb-automation.com)

### **Switzerland** | KEB Automation AG

E-Mail: [info@keb.ch](mailto:info@keb.ch) Web: [keb-automation.com](http://keb-automation.com)

### **United Kingdom** | KEB (UK) Ltd.

E-Mail: [info@keb.co.uk](mailto:info@keb.co.uk) Web: [keb-automation.com](http://keb-automation.com)

### **United States** | KEB America, Inc.

E-Mail: [info@kebamerica.com](mailto:info@kebamerica.com) Web: [kebamerica.com](http://kebamerica.com)

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual application do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. We reserve the right to make technical changes.

© KEB 00000005PPF 02.2025



THE COMPLETE WORLDWIDE KEB PARTNER NETWORK



# Automation with Drive

# [keb-automation.com](http://keb-automation.com)

KEB Automation KG | Suedstrasse 38 | 32683 Barntrop | Germany | Phone +49 5263 401-0 | E-Mail: [info@keb.de](mailto:info@keb.de)