



InterTech
International Networks of Technologies



EXCELLENT SERVICE FOR OUR CUSTOMERS.

TOGETHER WITH OUR PARTNERS.

FREEWHEELS & BACKSTOPS

With more than 75 years of experience Stieber is considered to be a global pioneer in the research, development and production of high-precision freewheels and backstops. Unique know-how combined with the latest technologies consistently exceeds our customers' expectations.



Built-in Products

These versions are stored and sealed in themselves. Depending on the lubricant selected, radial shaft seals or labyrinth seals are used.

Self Contained Freewheels

These are preferably installed in a housing in which storage and lubrication are already present. They consist of an inner ring, an outer ring and sprag elements, which are placed in the middle.

Centrifugally Lift Off Sprag Freewheels

These versions are wear-free in overrunning and are available as built-in and add-on variants. They are mainly used as high-speed backstops or overrunning clutches in auxiliary or starter drives.

Combined Bearing Freewheel Products

Roller bearing freewheels combine bearing and freewheel functions. They are available in the dimensions of the bearing series 59, 60 and 62. All roller bearing freewheels are supplied with lifetime grease lubrication.

Customized solutions

From small modifications of a standard product to tailor-made complete solutions in batch size one. Some examples of applications: pump drive, inclined conveyor, load torque locks, hybrid applications, etc.



COUPLINGS, BRAKES & LIMIT SWITCHES



With the takeover of the innovative companies Stromag and Stieber Clutch in Europe, Altra Industrial Motion is by far the world's largest manufacturer of components in drive technology.

Stromag's extensive product range includes flexible couplings, discs, brakes, limit switches, a set of hydraulic, pneumatic and electrically operated brakes as well as a full line of electric, hydraulic and pneumatic clutches.

As a distributor, we are your contact for all requirements in this area.

Stromag's state-of-the-art clutch and brake solutions are used on powertrains in a number of key international markets and industries, including:

Packaging Machinery, Food & Beverage, Elevators & Escalators, Conveyors, Transportation, Agriculture & Forklifts & Medical, Energy, Printing & Marine, Cranes, Presses, Deck Winches, Rolling Mills, Wind Turbines, Diesel Engines, Gensets & Stage Equipment.

Further information can be found on our website.



SLIP RINGS & RESOLVERS

LTN Servotechnik is specialized in the innovative development and construction of slip rings and resolvers as well as accessories under the most modern manufacturing conditions. The long life span of the products saves resources and reflects their quality.



Resolvers are robust and ensure availability and reliability under the toughest environmental conditions.

Resolvers are used in many applications for precise control: in textile machines, in mining machines, in servo motors, in industrial robots and hybrid drives as well as in maintenance-free devices.

How slip rings work

Slip rings are electromechanical components that enable the transmission of electrical power, signals and data between stationary and rotating parts.

LTN slip rings meet all requirements for error-free transmission of real-time fieldbus systems. In addition, the fast, gigabit and 10 gigabit Ethernet slip rings are certified according to TIA-568 and EN 50173. The components meet the highest standards.

They are used in monitoring systems such as radar, in medical technology for mounting arm lights, in the world of renewable energies, for example in wind turbines, in high-frequency technology and in digital data transmission in computer networks.

Functionality of resolvers

After optical rotary encoders, resolvers are the most commonly used displacement and angle sensors. They convert the angular position of a rotor into two voltages, with the help of which the position can be clearly and absolutely represented.

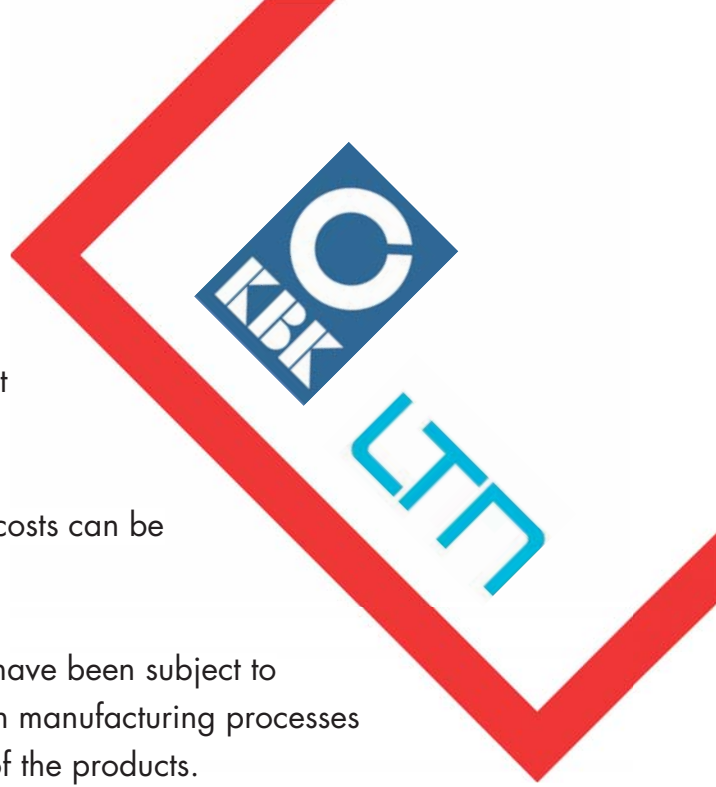
Resolvers are used for control and regulation tasks, for example in electric servo drives, positioning drives and machines with motor that depend on each other.

COUPLINGS

The modular system of KBK offers a wide range of technical quality products at fair prices. Short delivery times are just as important as high quality management standards.

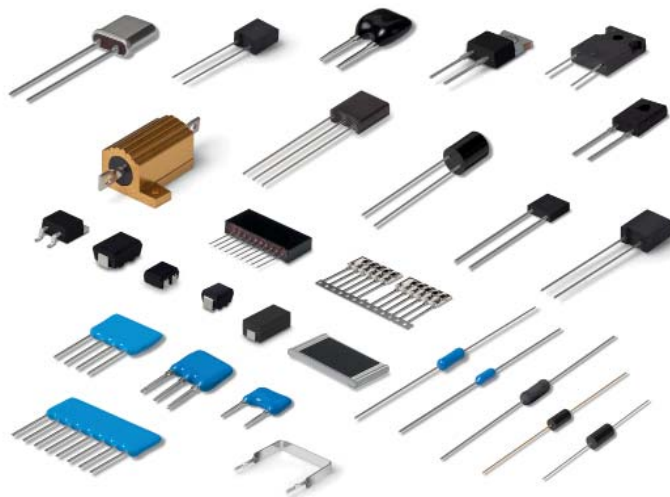
By using KBK products approximately one third of the costs can be saved in comparison to similar products.

In addition to this we guarantee that all KBK products have been subject to strict quality control! Permanent tests and high-precision manufacturing processes create the basis for the top quality and long life span of the products.



SENSORS & JOYSTICKS

Measuring, controlling, regulating: Wherever positions, paths, angles and forces have to be precisely measured or precisely controlled, Megatron provides the right solution with its sensors, precision resistors, electromechanical components and industrial joysticks.



Under the ELPAC brand, Megatron carries a strong and optimized product portfolio of components „all around the circuit board“: from fastening components for electronic components and PCBs to a large number of fiber optic components and electronic housings made of plastic or aluminum.

As in the sensor technology division, customer-specific adjustments and solutions are also implemented here.

WE PRODUCE ENCODERS FOR SPECIFIC CONDITIONS



After our longstanding and reliable partner, LTN Servotechnik GmbH in Otterfing, stopped the in-house production of incremental encoders, we were asked for replacement deliveries and special solutions by many well-known customers.

Since a large number of the previously supplied encoders have very customer-specific characteristics we cooperate with a reliable partner in order to meet all technical and quality requirements.

Discuss your requirements with us:

- Inch dimensions of the connecting dimensions (shafts, threads, pitch circles, centering diameters)
- Design of special torque supports of all kinds
- All kinds of special plugs and cables
- Special line numbers (e.g. 2164 lines for a specific gearbox)
- Robust tandem design with different line number combinations
- Indication of the zero pulse by an LED on the encoder - visible from the outside
- Additional tracks for extended zero pulses
- Additional tracks for a different number of lines (including the three channels A, B and Ref.)
- Special shafts (e.g. with external thread for shaft ends according to DIN 332 form DS)
- Combinations with slip rings
- Combinations with resolvers for safety-related applications





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Stieber Clutch
Stromag Altra Industrial Motion
LTN Servotechnik
KBK Antriebstechnik
Megatron