

SENSORS & POSITIONING SYSTEMS

FOR INDUSTRY & MECHANICAL ENGINEERING



POSITIONING SYSTEMS PRECISE & VERSATILE



Technical advantage and many years of expertise

Today, SIKO stands for almost six decades of experience in position, angle and speed detection. The highest demands of our customers from industry and mechanical engineering ensure the quality, precision and functionality of our products and services.

SIKO is certified according to DIN ISO 9001:2015. The careful handling of raw materials and resources is a matter of course for us.

PRODUCTS & SOLUTIONS

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Bearingless encoders, rotary encoders and inclination sensors



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Company

SIKO MILESTONES

THEN & NOW

1963

The first product idea: a handwheel with integrated analog display invented by Doctor of Engineering Günther Wandres.



1976

Introduction of the first digital position indicator DA08. Today, SIKO is the world market leader in position indicators.



1982

The electronic era of length and angle measurement technology begins; measurement displays and the first electronic hollow wave transmitters are developed.





1963

COMPANY



Foundation of SIKO GmbH by Doctor of Engineering Günther Wandres at Buchenbach.

FOUNDATION & DEVELOPMENT



1981

An important step toward the global market: Foundation of the subsidiary SIKO Products in the USA.



1991 / 1992

Introduction of the first electronic position indicator (DEO9), the magnetic measuring principle (MagLine) and the draw-wire encoder.



1995/1996

Introduction/invention of magnetic compact sensors and magnetic, absolute length measurement.



2001

Positioning drives are added to the existing product portfolio.



2001

Foundation of the subsidiary SIKO Italia in Milan.



2005

Foundation of the subsidiary SIKO Trading Shanghai in China.



2008

1999

"MagLine".

Introduction of brand

Foundation of the subsidiary SIKO MagLine AG in Switzerland.



2008

Introduction of bus-capable position displays for monitored format adjustment (APO4).



2014

Introduction to Ethernet drives "Industry 4.0 Ready".



2015 / 2016

First SIL2 magnetic sensor. Introduction of a draw-wire encoder for direct stroke measurement in hydraulic cylinders.



2012

Establishment of the subsidiary SIKO Products Asia in Singapore.



2020

Completion of the new production plant for electrical products and the administration building in Bad Krozingen.



2020

SIKO is once again distinguished as a top-rate employer.



Company

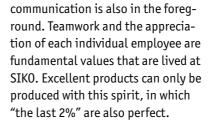
COMPANY PROFILE

DYNAMIC & INNOVATIVE

Our measuring technologies are successfully represented worldwide and in the entire mechanical engineering sector. Approximately **60 representatives** ensure direct contact technical support for our customers, both nationally and internationally. Our **five successful subsidiaries** in the USA, China, Singapore, Switzerland and Italy strengthen the global presence of SIKO GmbH.

Global success is no coincidence.





The promotion of cross-departmental





Direct contact to our product specialists

We are happy to answer any questions you might have.

- Personal and qualified advice
- Worldwide accessibility with sales offices and representatives
- Technical support
- International trade fair presence
- Multilingual website, with download area for the latest brochures, data sheets, 3D design data and much more.

Products and Solutions

SIKO specializes in high-quality products and solutions for industry and mechanical engineering:

Positioning systems: Mechanical and electronic position indicators and positioning drives

Linear sensors: Bearingless linear encoders (MagLine), draw-wire encoders and position sensors for hydraulic cylinders

Rotary sensors: Bearingless rotary encoders (MagLine), encoders and inclination sensors

Customized solutions

Quality Characteristics

Continuous product optimization is a matter of course for SIKO. Competence as well as state-of-the-art work equipment and facilities ensure the best possible quality:

- Company-wide 3D CAD design
- Rapid prototyping
- In-house testing and experiment laboratories for endurance tests and material testing
- Use of programs for simulations and collision tests
- Quality management DIN EN ISO 9001

Into the future with a vision

Graduated Industrial Engineer
Horst Wandres, son of the company
founder, has led the company into
the future with a vision since 1990.
Sven Wischnewski was appointed to
the Executive Board in August 2014
for reinforcement. Already today,
Buchenbach and Bad Krozingen are
consistently setting the course for
the coming decades.

Working for you

From a global perspective, more than 250 SIKO employees are working hard for you today, with a lot of team spirit and know-how in the field. Continuously and with the necessary level of ambition and passion, we want to "do it even better."

The steady and healthy company growth of SIKO GmbH is a real team achievement.

The human element

At SIKO, you find motivated employees who personally identify with the products they manufacture. The necessary technical know-how and a portion of pride in our own products are a factor not to be underestimated. In addition, SIKO provides its employees with modern jobs and a comprehensive package of social benefits.



Production in Germany and Switzerland

SIKO relies on resource-saving lean production, which implements customer requirements on time thanks to on-demand production. Automated and specialized manual work are carried out at our production sites in Germany and Switzerland.

In short, SIKO is Made in Germany and Swiss Made.

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POSITIONING SYSTEMS

PRECISE FORMAT ADJUSTMENT

AT PRODUCTS CHANGES

We are the inventor of the famous orange SIKO counter and are the **world market leader** in the field of **mechanical position indicators** with our comprehensive product portfolio.



MECHANICAL POSITION INDICATORS

ROBUST & COST-EFFECTIVE

Mechanical position indicators enable a reliable, absolute measurement value display and the reproducible positioning of adjustment axes.

Advantages

- Inexpensive, robust measuring system
- Unique, precise digital display values thanks to integrated counter
- Simple hollow shaft mounting
- Individual conversions and display representations

Specifications

- Hollow shafts of Ø6 ... 35 mm
- Metric or inch display
- Mechanical locking/ arresting
- Design selectable (reading position)



ADJUSTING KNOBS

COMPACT & HANDY

Adjusting knobs are handy adjustment units with integrated measuring system.

Advantages

- Compact design
- Unit consisting of handwheel and position indicator
- Any installation position

Specifications

- Hollow shafts of Ø10 ... 14 mm
- Display integrated in adjustment element
- Design selectable (reading position)



ANALOG POSITION INDICATORS & HANDWHEELS

TIMELESS & PRACTICAL

Fine resolution analog displays measure and visualize rotational movements.

Advantages

- Freely printable scales for flexible display values
- Excellent reading quality
- Precise display thanks to an indicator shaft supported by two bearings
- Sturdy handwheels made of full metal or glass-fiber reinforced plastic material

Specifications

- Handwheel of Ø56 ... 200 mm
- Display analog with scale
- Optionally with digital display
- Corrosion and vibration resistant, optionally oil filled
- Handwheel made of metal or plastic



POSITIONING SYSTEMS

ELECTRONIC POSITION INDICATORS

Electronic position indicators are programmable and provide guided and therefore **100% process-safe format adjustment** thanks to the available bus-controlled variants. Setting values can be logged and monitored digitally. Waste and faulty settings are consequently a thing of the past.



Process reliability: AP05 with bus interfaces for monitored format adjustment.



► Play file

Solutions for Pharmaceutical Production & the Packaging Industry



PROFU[®] INETI

Etheri\et/IP

Ether CAT.

POWERLINK

CANOPER

SIKONET5

IO-Link

The flyer "Monitored Format Adjustment" can be found at www.siko-global.com

ELECTRONIC POSITION INDICATORS

DE SERIES

Battery-operated electronic position indicators for precise spindle settings – programmable and flexible.

Advantages

- Display values, direction of rotation and decimal places are freely programmable
- Function keys for reset, chain dimension and offset detection
- Assembly-compatible with mechanical SIKO counters

Specifications

- Absolute LCD displays
- Battery powered
- Programmable parameters





ELECTRONIC POSITION INDICATORS

AP SERIES

Bus-capable absolute position indicators for the monitored format setting of spindles and linear sliders.

Advantages

- Bus-capable for monitored format adjustment
- Display values, direction of rotation and decimal places are freely programmable
- Function keys for reset, chain dimension and offset detection
- Assembly-compatible with mechanical SIKO counters

Specifications

- Bus interfaces: IO-Link, RS 485, CANopen, Industrial Ethernet
- Absolute LCD displays
- Battery-buffered
- Programmable parameters





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Ether CAT.

POWERLINK

CANopea

SIKONET5

OIO-Link

POSITIONING SYSTEMS

POSITIONING DRIVES

"Short cycle and changeover times, high productivity and quality with low investment costs." Compact positioning drives for **automated conversion** to different product formats.



CANOPER

Etheri\et/IP

SIKONET5

Ether**CAT.**

IO-Link

POWERLINK



Packaging machine manufacturers use SIKO positioning drives in complex packaging machine lines with growing demands on variety, productivity and accuracy.



► Play film

Positioning drives for the packaging industry



► Play film

Positioning drive AG05/AG06



▶ Play film

Retrofit solutions



The flyer "Format Adjustment" can be found at www.siko-global.com

POSITIONING DRIVES

COMPACT & FUNCTIONAL

As an alternative to manual adjustment, positioning drives enable quick and efficient format adjustment at the touch of a button.

Advantages

- Compact design even for confined spaces
- Very little installation and assembly effort
- High availability and maintenance-free
- Short cycle and changeover time
- High level of productivity and quality

Specifications

- Hollow shafts of Ø10 ... 20 mm
- Torque up to 14 Nm
- Speed up to 500 min⁻¹
- Magnetic multiturn encoder with a resolution of up to 1600 pulses / revolution
- Interfaces: OP, LD5, LD24, Analog (R, U, I), Fieldbus and Industrial Ethernet



Etheri\et/IP

Ether CAT

POWERLINK

CANODED

SIKONET5

NET 5) **© 10**-Link

LINEAR SENSORS

BEARINGLESS ENCODERS &

DRAW-WIRE ENCODERS

Since the 90s, we have been developing and producing magnetic encoders and draw-wire encoders for you. Regardless of whether factory automation, drive technology or mobile machines, our sensors always operate under the most adverse conditions reliably, precisely and durably.





















Ether Vet/IP





► Play film SIKO MagLine "Easy Installation"

BEARINGLESS LINEAR ENCODER | MAGLINE

HIGH-PRECISION & NON-CONTACT

The magnetic and wear-free MagLine encoders provide high system accuracy and reproducibility. The compact measuring systems are successfully used

Advantages

- Absolutely wear-free technology
- Insensitive to dust, chips, moisture, oils, grease, etc.
- Robust when exposed to shocks and vibration
- No measuring errors caused by gear ratios or gear backlash
- Almost maintenance free
- High system accuracy and reproducibility

in virtually all areas of mechanical engineering and are particularly popular thanks to their reliability as well as their easy handling and installation.

Specifications

- Resolution max. 0.2 μm, 0.1 mm
- System accuracy up to ±10 μm
- Reproducibility max. ±1 μm
- Reading distance 0.1 ... 20 mm
- Measuring lengths up to max. 100 m
- Freely programmable parameters





















MEASUREMENT DISPLAYS WITH BEARINGLESS LINEAR ENCODER | MAGLINE

MEASUREMENT VALUES ALWAYS IN SIGHT

MagLine measurement displays for direct display of the linear measured values.

Advantages

- Incremental, absolute or quasi-absolute variants
- Extensive selection of interfaces
- Low-power technology
- High contrast
- Different accuracy classes and resolutions

Specifications

- LCD dot matrix displays, 12-digit, 0.001 mm
- LCD displays, decimal and fraction/inch, 0.01 mm
- LED matrix displays, 5-digit, 0.01 mm
- Power supply: variants with 10 – 30 V, 24 V, 110 V, 230 V or battery/backup battery





DRAW-WIRE ENCODERS

ROBUST & DURABLE

Draw-wire encoders are an easy-to-install solution for linear position and speed measurement. Even under the most adverse environmental conditions, our customers have been relying on our proven SIKO draw-wire encoders "since the beginning of the 1990s."

Advantages

- Temperature range from -40 °C ... +85 °C
- Robust application even when wet and dirty
- Flexible system integration thanks to any output signals and interfaces
- Optional: increased safety thanks to redundant sensors

Specifications

- Measuring lengths of 600...15000 mm
- Output potentiometer: $1 k\Omega$, $5 k\Omega$, $10 k\Omega$
- Current output: 4...20 mA, 4... 20 mA redundant
- Robust housings made of plastic or metal
- Various wire designs
- Optional: with integrated inclination sensor























POSITION SENSORS FOR HYDRAULIC CYLINDERS

PROVEN INTEGRATED TECHNOLOGY

Position sensors according to the proven draw-wire principle, for demanding and safety-critical applications in the field of mobile hydraulics and the industrial use of hydraulic cylinders, telescopic cylinders or piston accumulators.

Advantages

- Complete integration of the sensor in hydraulic cylinder
- No hollow-drilling of the piston is necessary!
- Can also be used in telescopic cylinders and piston accumulators
- Very compact construction
- Durable and robust

Specifications

- Absolute detection of the cylinder position
- Measurement range up to 5000 mm
- A wide range of analog and fieldbus interfaces are available
- Can be used in mobile and industrial hydraulics
- Can be used in safety applications up to PLd



CANOPER











CUSTOMER-SPECIFIC LINEAR SENSORS

FIND THE IDEAL SOLUTION WITH US

SIKO is known for flexibility and agility when it comes to implementing customer-specific solutions. Brand label products for well-known machine manufacturers or sensor manufacturers collaborating with us are also part of our range.

Decades of experience distinguish us. We see ourselves as your partner and develop individual linear sensors for you or with you in accordance with your technical requirements – and at fair conditions with already manageable quantities.

Feel free to contact us without

obligation and our application, and our development engineers will find a suitable product solution for you. Going at least one step further together is our philosophy.





ROTARY SENSORS

BEARINGLESS ENCODERS, ROTARY ENCODERS

AND INCLINATION SENSORS

Our rotary sensors provide you with a wide technical range. Whether contactless and wear-free, as an open PCB solution, as a heavy-duty or safety version, we provide the right solution for your applications.















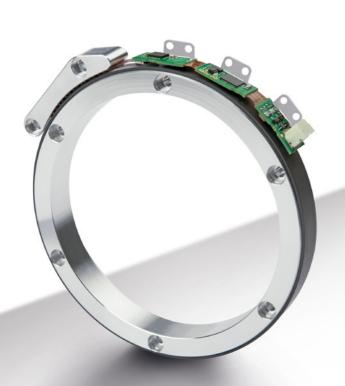


















BEARINGLESS ENCODER | MAGLINE

NON-CONTACT & WEAR-FREE

The magnetic rotary encoders are the ideal alternative to conventional optical rotary encoder systems, especially when it comes to exact rotational speed or angle measurement under demanding application conditions.

Advantages

- Absolutely wear-free technology
- Insensitive to dust, chips, moisture, oils, grease, etc.
- Robust when exposed to shocks and vibration
- No measuring errors caused by gear ratios or gear backlash
- Almost maintenance free
- High system accuracy and reproducibility

Specifications

- Absolute resolution up to 20 bit
- Repeatability 0.01°
- Reading distance 0.1 ... 2 mm
- Industrial and medical applications e.g., motor feedback, handling automation and robotics
- Industry 4.0 ready







RS485











MEASUREMENT DISPLAYS WITH BEARINGLESS ENCODERS | MAGLINE

DISPLAY VALUES ALWAYS IN VIEW

MagLine measurement displays for direct display of the linear measured values.

Advantages

- Incremental, absolute or quasi-absolute variants
- Extensive selection of interfaces
- Low-power technology
- High contrast
- Various accuracy classes and resolutions

Specifications

- LCD dot matrix displays, 12-digit, 0.001 mm
- LCD displays, decimal and fraction/inch, 0.01 mm
- LED matrix displays, 5-digit, 0.01 mm
- Power supply: Variants with 10 30 V, 24 V, 110 V, 230 V or battery/backup battery





ROTARY ENCODERS

PRECISE POSITION MONITORING

We offer a wide range of encoders. From cost-effective incremental encoders to high-resolution absolute encoders with analog and fieldbus interfaces, in industrial or heavyduty models.

Advantages

- Incremental or absolute
- Single or multiturn
- Optical and magnetic encoders
- Precise positioning & high resolution
- Smallest designs
- Variants with heavy-duty housings

Specifications

- Hollow shaft of 6 ... 28 mm
- Solid shaft of 5 ... 12 mm
- Available with many analog and fieldbus interfaces
- High shock, vibration and temperature resistance
- Speeds up to 12000 rpm

























INCLINATION SENSORS MEMS

SAFE & ROBUST

Inclination sensors from SIKO, which are colloquially called "electronic spirit levels", are much more than that. They determine tilt angles in systems, inclinations and installation angles in mobile machines and are used for precise tracking of para-

Advantages

- Absolute measuring system
- Compact and robust design
- High IP protection category
- Redundant sensors up to PLd available
- High temperature stability
- Simple assembly
- Wide selection of interfaces
- High resolution of the position

bolic troughs and photovoltaics in power plants. The sensors from SIKO impress with their robust design, intelligent signal processing and, above all, their high temperature stability. As a result, you can safely detect any inclination!

Specifications

- 1-axis or 2-axis versions
- Protection category up to IP6K9K
- Temperature range -40 °C ... +85 °C
- Up to 360° measuring range (1-axis)
- Up to ±80° measuring range (2-axis)
- Resolution up to 0.001°
- Interfaces: Analog, CANopen, **CANopen Safety**
- Available with PURE.MOBILE technology











SAFETY ROTARY ENCODERS

SAFETY IN EVERY APPLICATION

Our safety encoders are in use in safetycritical applications up to performance level d (PLd) and are E1(UN ECE R10)compliant.

Advantages

- Absolute, redundant safety encoders
- Interfaces: CANopen Safety or CANopen and SAE J1939 redundant
- Can be used in applications up to performance level d (PLd)
- Salt spray-tested housing available

Specifications

- Hollow shafts up to Ø15 mm
- Protection category IP67
- High EMC compatibility
- E1(UN ECE R10)-compliant











CUSTOMER-SPECIFIC ROTATIVE SENSORS

FIND THE IDEAL SOLUTION WITH US

SIKO is known for flexibility and agility when it comes to implementing customer-specific solutions. Brand label products for well-known machine manufacturers or sensor manufacturers collaborating with us are also part of our range.



Decades of experience distinguish us. We see ourselves as your partner and develop individual rotary sensors for you or with you according to your technical requirements - and at fair conditions with already manageable quantities.

Feel free to contact us without obligation and our application, and

our development engineers will find a suitable product solution for you.

Going at least one step further together is our philosophy.

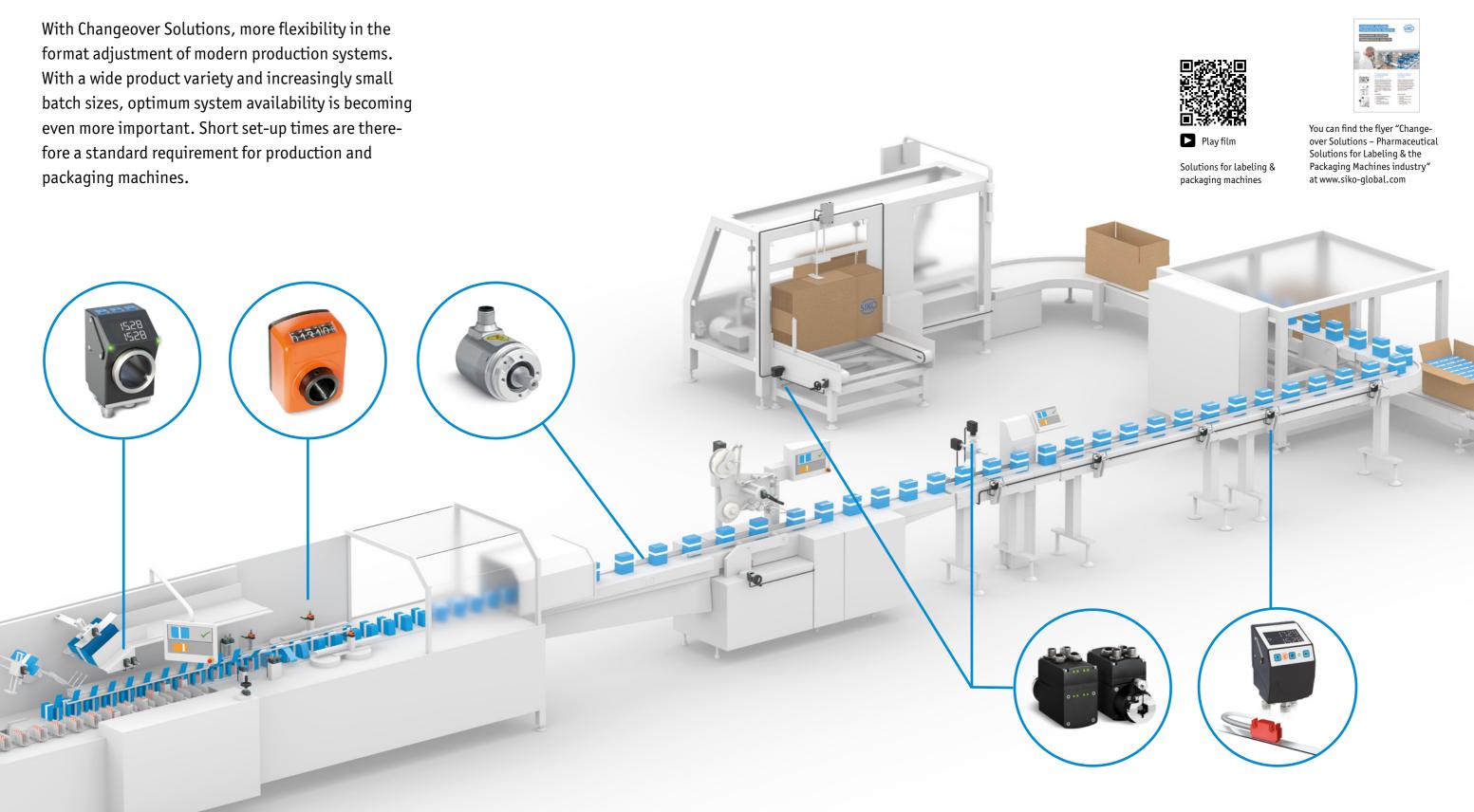




Solutions

CHANGEOVER SOLUTIONS

SMART FORMAT ADJUSTMENT



MANUAL

FORMAT ADJUSTMENT

Ergonomic manual adjustment thanks to easy-to-read position values.



Format adjustment in packaging technology



Reproducible adjustment of cardboard box erecting machines



Precise adjustment of a sheet metal working machines

AUTOMATED

FORMAT ADJUSTMENT

Conversion to different product formats at the touch of a button, simple and flexible thanks to compact positioning drives.



SIKO positioning drives ensure precise product position during the on-the-fly production change



Quick and safe format adjustment of cardboard box erecting machines at the touch of a button



Scanner setting depending on product format



Height adjustment of labeling device



Fast and safe positioning of linear axes in packaging technology

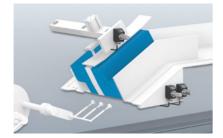
MONITORED

FORMAT ADJUSTMENT

Manual settings made more efficient, intuitive by LED signals, process-safe and with feedback to the machine control. Set-up times are drastically reduced and system availability is increased.



Monitored lateral guidance in packaging machines



Intuitive adjustment of a pharmaceutical packaging machine



Height adjustment of label inspection

RETROFIT

FORMAT ADJUSTMENT

Existing machines and systems can be easily retrofitted via "plug-and-play" with monitored and automated format adjustment. A specially designed controller enables simple and intuitive management of formulas.

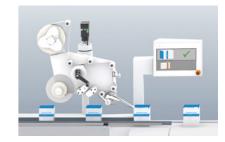


Fully automatic format adjustment through a single conversion of the manual positioning





Touch panel for easy formula management format conversion



Efficient conversion to monitored and automated

Solutions

MAGNETIC MEASUREMENT TECHNOLOGY

IN A VARIETY OF APPLICATIONS

SIKO encoders have been used for decades in the field of motor feedback on linear and torque motors.





SIKO MagLine – Sensors for linear and rotary motor feedback

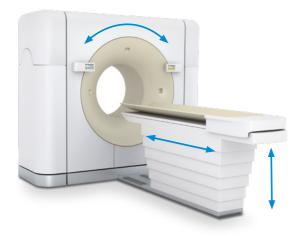
► Play film



The flyer "Motor & Position Feedback" can be found at www.siko-global.com

- Real-time detection of motor feedback on linear motors
- Ensuring high control quality in dynamic processes
- Integration of open PCB solutions in small installation spaces and compact drive solutions
- Speed and angle measurement in robotics
- Speed and angle measurement even under extreme conditions (e.g., in an oil bath)

Building on our many years of experience, we provide our customers from the fields of medical, analytical and laboratory technology precise length, angle and speed measurement technology.





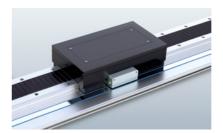
The flyer "Medical & Laboratory Technology" can be found at www.siko-global.com

- Tomographs and X-ray equipment
- Operation tables and patient tables
- Laboratory and analytical technology
- Robotics
- Rehabilitation machines

HIGH-PRECISON

ENCODER SOLUTIONS

Even under particularly difficult environmental conditions, high-precision measurement and position detection can be reliably implemented.



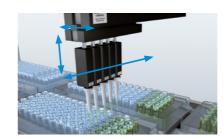
Incremental and absolute position feedback for a wide range of designs of linear motors



Use in printed circuit board production



Synchronization of the feed motors for gantry drives with a separate measuring system

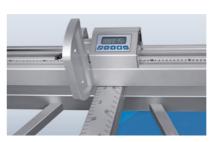


Position feedback in pipetting systems (laboratory and analytical technology)

FLEXIBLE

ENCODER SOLUTIONS

MagLine successful in use – display, magnetic encoder and measuring band fit perfectly into the application.



Magnetic measurement technology as a customer-specific solution in a format circular saw



Accurate speed measurement even in demanding applications



Direct display of the measured values on a vertical panel saw

ROBUST

ENCODER SOLUTIONS

The systems provide reading distances of up to 20 mm and accuracy data that are also adapted to particularly long detection distances.



Monitoring of height and length adjustments even under harsh environmental conditions



MagLine encoder used in warehouse and conveyor technology

ROTARY

ENCODER SOLUTIONS

Extremely robust and designed for direct angle and speed detection – the applications of rotary encoder solutions benefit from the non-contact, magnetic measuring method.



Combination of encoder and bearingless magnetic ring



Easy integration of the measuring system for mechanical and plant engineering



High-precision angle and position measurement in robotics and automation technology

Speed measurement in applications with

high requirements for shock and vibration



Speed and position monitoring of tire balancing systems

Solutions

MOBILE AUTOMATION

ROBUST POSITION SENSORS

Modern commercial vehicles as we know them today are intelligent, flexible and networked. However, the requirements of robustness and longevity remain the same, SIKO provides a wide range of position sensors, specially and exclusively developed for mobile machines and mobile hydraulics. Robust, reliable and safe.



▶ Play film

PURE.MOBILE – 100% focus on mobile machines



The flyer "Construction machinery, crane & lifting technology" can be found at www.siko-global.com



CRANE & LIFTING TECHNOLOGY

SENSOR SOLUTIONS

Regardless of whether mobile crane, lifting work platforms or telescopic loaders, crane and lifting technology always depends on secure positioning and the movement of heavy loads. Thanks to intelligent sensors from SIKO, can not only be ensured that the vehicle has secure positioning, but also operates more efficiently and consequently provides the user with added value.



Position detection of the supports by draw-wire encoders and SGH sensors for the realization of a variable support base



Safety First! Safe position sensors in lifting platforms make a significant contribution to stability.



Move heavy loads safely from A to B! Rotary encoders in tower cranes.

INDUSTRIAL TRUCKS & AGV

SENSOR SOLUTIONS

Intralogistics is an important component of global supply chains. To keep the logistics chains running around the clock, smart sensors are needed for industrial trucks as well as AGVs and mobile platforms. SIKO provides a wide range of sensors for rotary and linear position detection as well as speed and inclination detection for this purpose.



Draw-wire encoders and cylinder-integrated sensors for detecting the fork position on the lifting frame of forklift trucks



Speed and direction detection on driverless transport systems (AGV/AGC) with innovative bearingless rotary encoders



Absolute and reliable steering angle detection up to safety level PLd on reach stackers

CONSTRUCTION MACHINERY

SENSOR SOLUTIONS

Construction machinery must provide maximum performance with optimum precession and efficiency as smoothly as possible. To increase this efficiency sustainably and further optimize and automate work processes, robust position sensors are required that provide the necessary data for this purpose.



Automated earth movements through intelligent position detection of the boom, stick and bucket



Heavy machines in special-purpose civil engineering require precise, reliable & safe sensors. Safety sensors from SIKO are the first choice here!

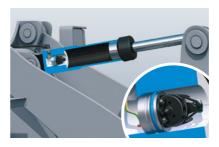


Cylinder-integrated sensors ensure optimum leveling and automated blade positioning in bulldozers

POSITION SENSORS

FOR HYDRAULIC CYLINDERS

SGH technology converts hydraulic cylinders and telescopic cylinders into "smart cylinders" used for lifting in commercial vehicles (construction machines, agricultural machines, municipal machines, forestry machines, airfield vehicles). And this with a design and operating principle that is unique in the world.



Integrated stroke and speed detection for hydraulic cylinders. Regardless of whether in mechanical engineering or



Safe positioning of hydraulic cylinders, even under the most adverse conditions

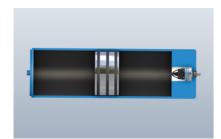


Smart SGH sensors detect the wear of hydraulic systems. This enables predictive maintenance, even today!

POSITION SENSORS

FOR PISTON ACCUMULATORS

The condition monitoring of piston accumulators is a crucial factor of machine availability and safety. Position sensors of the SGH series can be mounted in a space-saving and efficient manner in the gas or oil area of the piston accumulator and detect important operating states such as the filling quantity of the piston accumulator.



Integrated fill level monitoring of piston accumulators thanks to SGH sensors



Position and fill level monitoring in hydraulic systems contribute significantly to overall safety!



Piston accumulators become intelligent thanks to sensors and are an important component of energy hybrid systems in mobile machines

PURE.MOBILE

100% FOCUS ON MOBILE MACHINES

Unlike a sensor from the industry, which is only adapted for commercial vehicles, for example, a position sensor from the SIKO technology platform PURE.MOBILE has been designed and developed 100% for the acquisition

of measured values in commercial vehicles. PURE.MOBILE does not stand for a special product line, but describes several **quality features** that a sensor marked with PURE. MOBILE technology must fulfill.



All sensors are also available in a safe variant up to performance level d (PLd).

Protection categories up to IP6K9K and extended temperature range.

High EMC compatibility as well as shock and vibration resistance.

Expandable and configurable thanks to the flexible modular principle.

Designed and developed 100% for position detection in mobile machines.

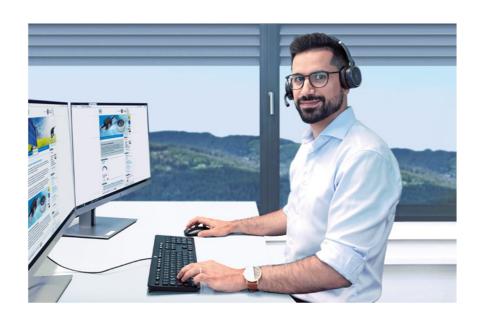
Service

SALES

PERSONAL ADVICE

Our inhouse sales department as well as our employees and sales partners in the field are at your disposal for your inquiries.

+49 7661 394-0 | reception.de@siko-global.com





Website with download area

PDF files and program routines for our programmable devices are available on the SIKO homepage. You can find them at www.siko-global.com:

- Specifications sheets
- Catalogs
- Manuals
- User information
- Integration Files

- 3D design files
- Product films
- Distributor directory
- Programming software
- And lots more



Service

SERVICE & SOLUTION CENTER

TRAINING, INSTALLATION & AFTER SALES

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