

## Fax Inquiry

(734) 426-3453

To receive more information, simply mark the appropriate item(s) in the list below and fax this page to us.

- Technical advice on the MAGLINE-system
- MAGLINE<sup>BASIC</sup> catalog
- MAGLINE<sup>MICRO</sup> catalog
- MAGLINE<sup>MACRO</sup> catalog
- Visit of a SIKO sales representative
- Pricelist for SIKO products
- Catalog with brochures on the complete SIKO product range

From:

Name

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Company

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Department/Function

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Street

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Zip-code/City

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Phone

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Fax

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Company stamp



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MAGLINE<sup>MICRO</sup>  
 MAGLINE<sup>BASIC</sup>  
 MAGLINE<sup>MACRO</sup>

MAGLINE<sup>MICRO</sup>



MAGLINE<sup>BASIC</sup>



MAGLINE<sup>MACRO</sup>

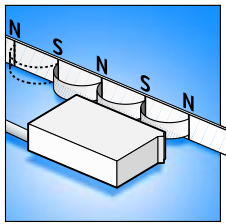


Magnetic Length Measuring Systems . . .  
 . . . the Components



# MAGLINE Overview

Magnetic fields are scanned contact-free and measured readings are converted into digital or analog signals.



SIKO's magnetic, contactless measuring method offers three product series of systems for linear and radial position indication. Micro, Basic and Macro – a suitable and economic alternative for every application.

- linear and radial position indication
- contactless measuring method
- not impaired by dust, grease or similar particles
- ease of operation and installation

## MAGLINE<sup>BASIC</sup>

The proven and perfected system comprises of an extensive range of incrementally and absolutely recording measuring methods. Principle applications are found in nearly all sectors of mechanical engineering, inter alia wood working and sheet metal working machines and many others.

- resolutions max 5  $\mu\text{m}$
- repeat accuracy max. 5  $\mu\text{m}$
- absolute accuracy up to 50  $\mu\text{m}$ .

### Magnetic Strip

measuring length up to 90 m  
precision class up to 50  $\mu\text{m}$

### Sensors

direct connection to translation module and displays  
distance tolerance max. 2 mm to the magnetic strip

### Translation Module

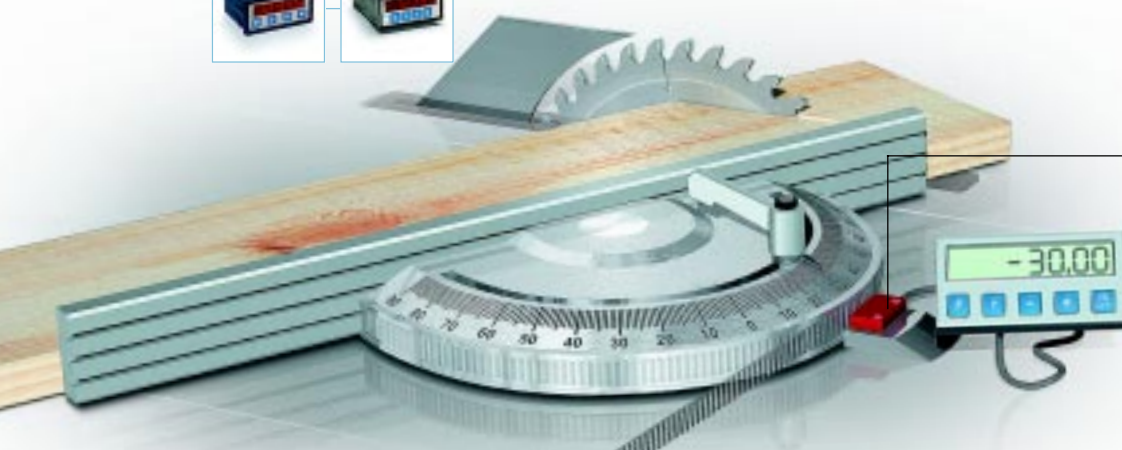
incremental and absolute position acquisition  
signal output proportional to speed  
resolution and repeat accuracy up to 5  $\mu\text{m}$

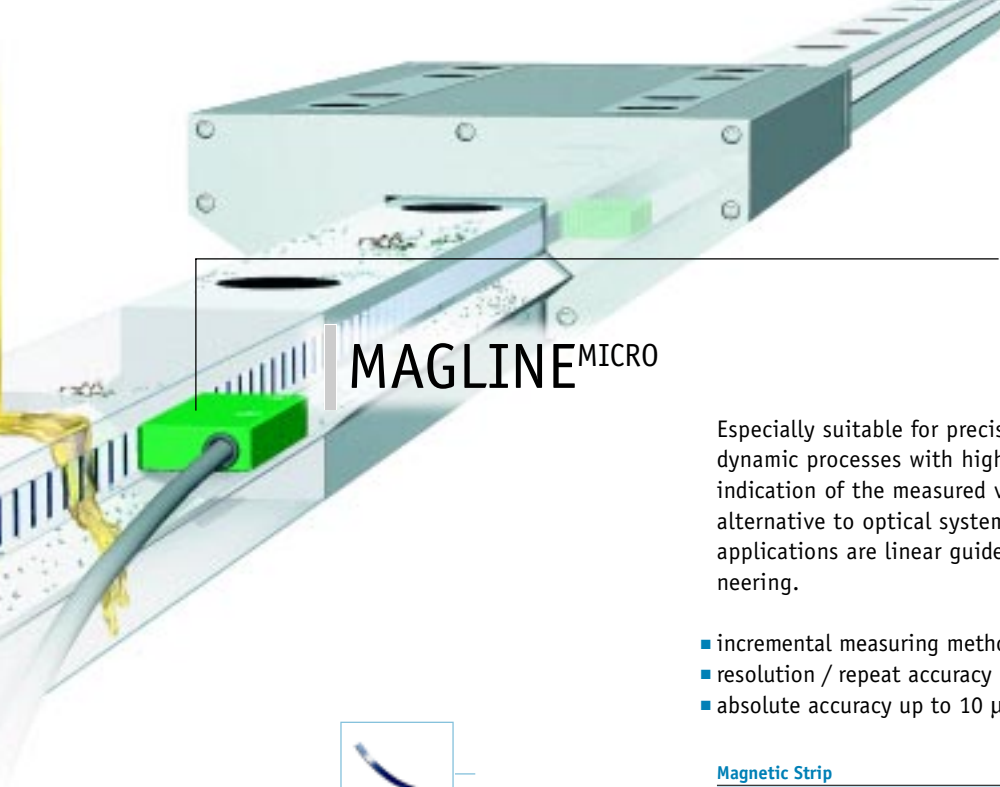
### Measurement Displays

incremental and absolute position display  
resolution and repeat accuracy up to 10  $\mu\text{m}$



MAGLINE<sup>BASIC</sup> also allows curved installations to small radii for easy angle measurement.





MAGLINE<sup>MICRO</sup> records length information in an  $\mu\text{m}$  range in the most severe contamination.

## MAGLINE<sup>MICRO</sup>

Especially suitable for precise and highly dynamic processes with high demands on the indication of the measured value. An economic alternative to optical systems. The principle applications are linear guide and drive engineering.

- incremental measuring method
- resolution / repeat accuracy max. 1  $\mu\text{m}$
- absolute accuracy up to 10  $\mu\text{m}$

### Magnetic Strip

measuring length up to 4000 mm
precision class max. 10 $\mu\text{m}$

### Sensors

analog interface 1 Vss
distance tolerance max. 0.4 mm to the magnetic strip

### Translation Module

signal output proportional to speed
resolution and repeat accuracy up to 1 $\mu\text{m}$

### Measurement Displays

direct display
resolution and repeatability up to 1 $\mu\text{m}$



## MAGLINE<sup>MACRO</sup>

Designed especially for very long measuring lengths. Its high reliability even in severe conditions predestines its principle applications to be for the warehouse and materials handling systems.

- incremental and absolute
- resolutions up to 1 mm
- repeat accuracy & absolute accuracies up to 1 mm

### Magnetic Strip

measuring length up to 160 m
precision class up to 1 mm

### Sensors

direct connection to follower electronics (e.g. PLC)
distance tolerance max. 4 mm to magnetic strip
incremental and absolute interfaces



MAGLINE<sup>MACRO</sup> allows reliable position indication even with great installation tolerances.

