

The all NEW LIK_{select}, designed to meet customer demands

With the LIK_{select} incremental linear encoder, NUMERIK JENA is launching a newly designed product specifically developed to meet customer demands.

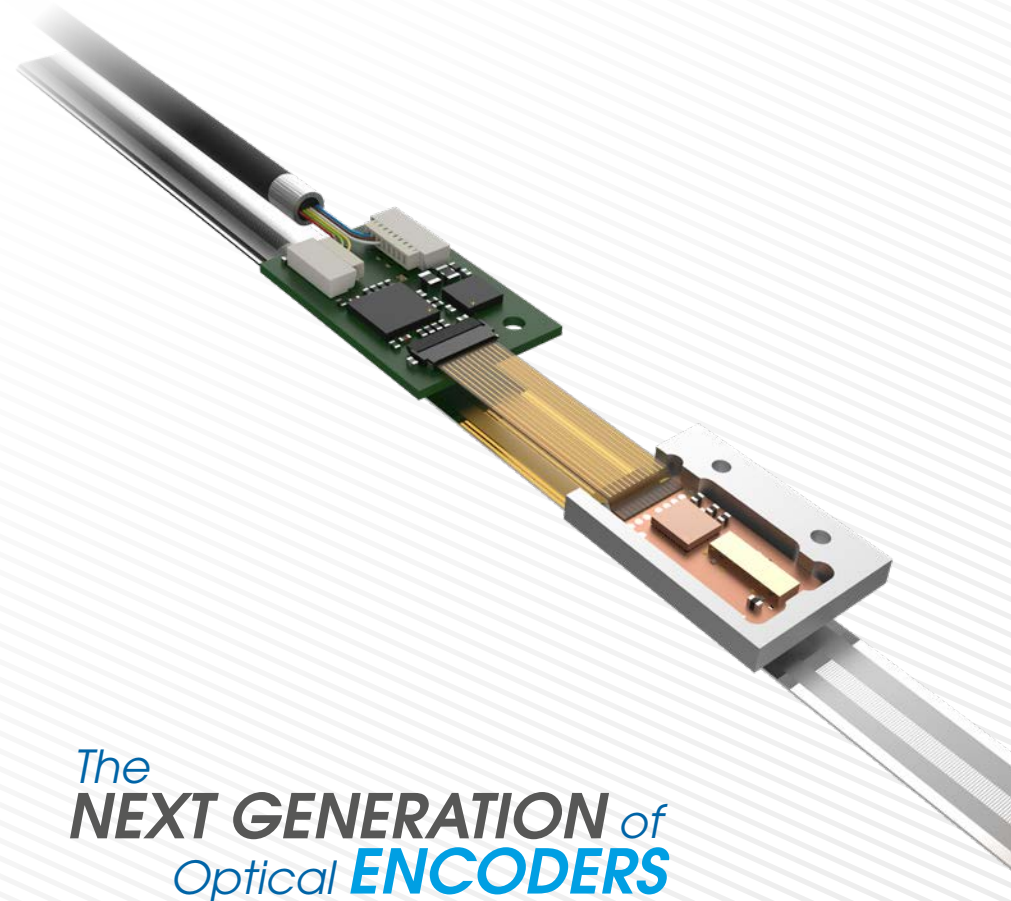


The LIK_{select} complements the new LIK series and opens up a wide range of expandable integration options for the user. Due to its modular design, the measuring system can be adapted to a wide range of installation situations and space conditions.

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The
NEXT GENERATION of
Optical **ENCODERS**





Make your **IDEAS** come true

High number of variants due to modular design and individually adaptable components



Save **SPACE**

Considerable space savings for integration thanks to a highly compact and low-profile design



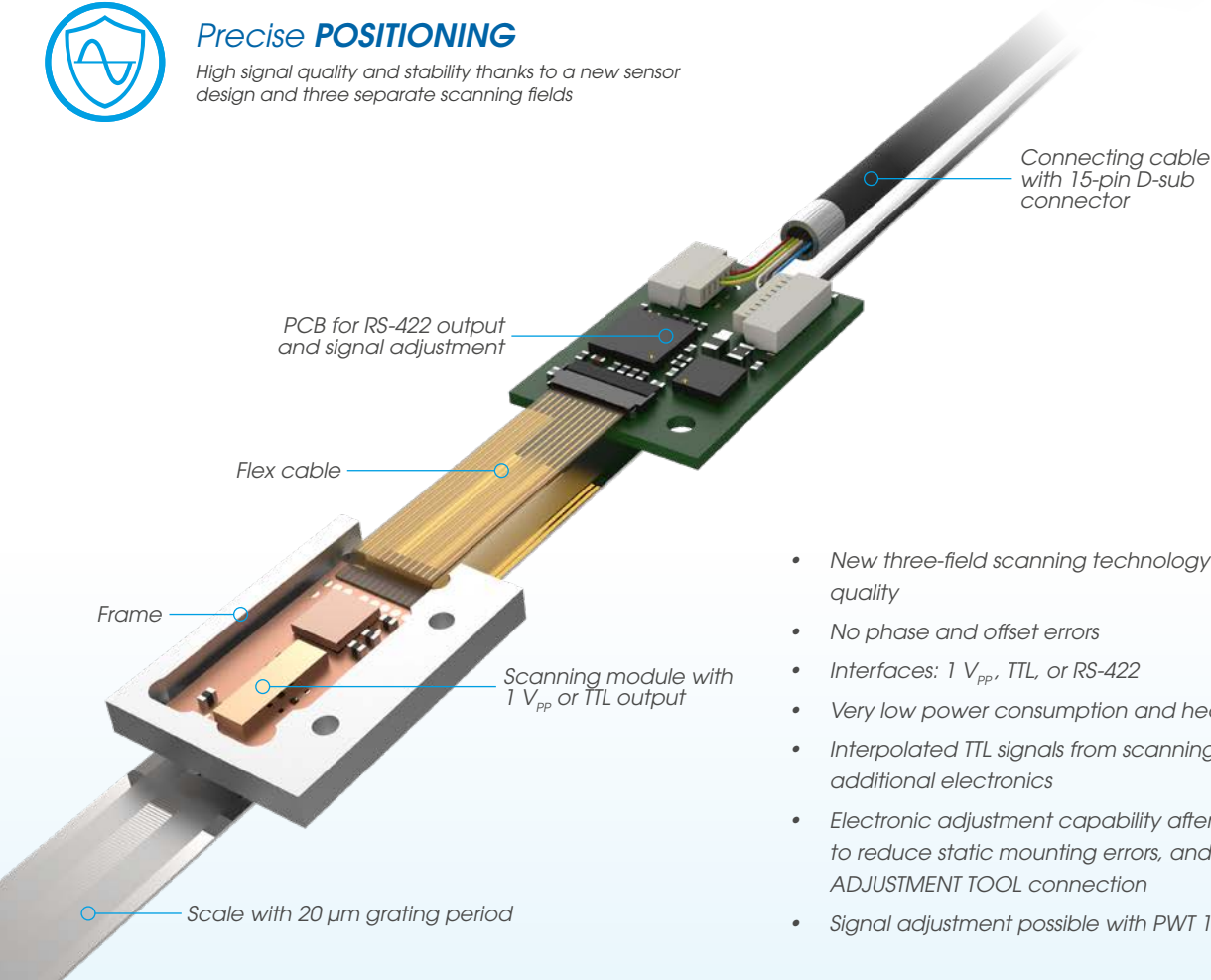
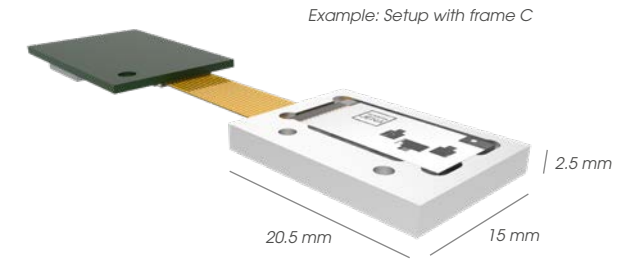
Precise **POSITIONING**

High signal quality and stability thanks to a new sensor design and three separate scanning fields

The new **LIK** series stands for versatile configuration options, flexible integration, and miniaturization of applications.

The brand-new, three-field scanning module with integrated sensor electronics offers multiple improvements:

- Highly compact and configurable scanning unit
- 20 µm grating period and measuring steps down to 78.125 nm



- New three-field scanning technology with improved signal quality
- No phase and offset errors
- Interfaces: 1 V_{pp}, TTL or RS-422
- Very low power consumption and heat accumulation
- Interpolated TTL signals from scanning module without additional electronics
- Electronic adjustment capability after mounting to reduce static mounting errors, and an improved ADJUSTMENT TOOL connection
- Signal adjustment possible with PWT 101 from HEIDENHAIN

SCANNING HEAD

Dimensions (Scanning module)	16 mm x 8 mm x 2.2 mm
Mass	2 g
No. of scanning fields	2 for incremental track + 1 for index
Scanning frequency	Max. 500 kHz
Signal Interpolation factor	Up to 64
Interpolation error	±85 nm
Resolution	Down to 78.125 nm
Supply voltage	5 V ±10%
Current consumption	50 mA (1 V _{pp}) / 150 mA (TTL)
Type of connector	15-pin D-sub
Cable lengths	0.3 m, 1 m, or 3 m
Cable diameter	3.7 mm
Operating temperature	0 °C to +55 °C

SCALE TAPE

Grating period	20 µm
Accuracy	±3 µm/m or ±5 µm/m
Max. length	2480 mm (others on request)
Material	Stainless steel