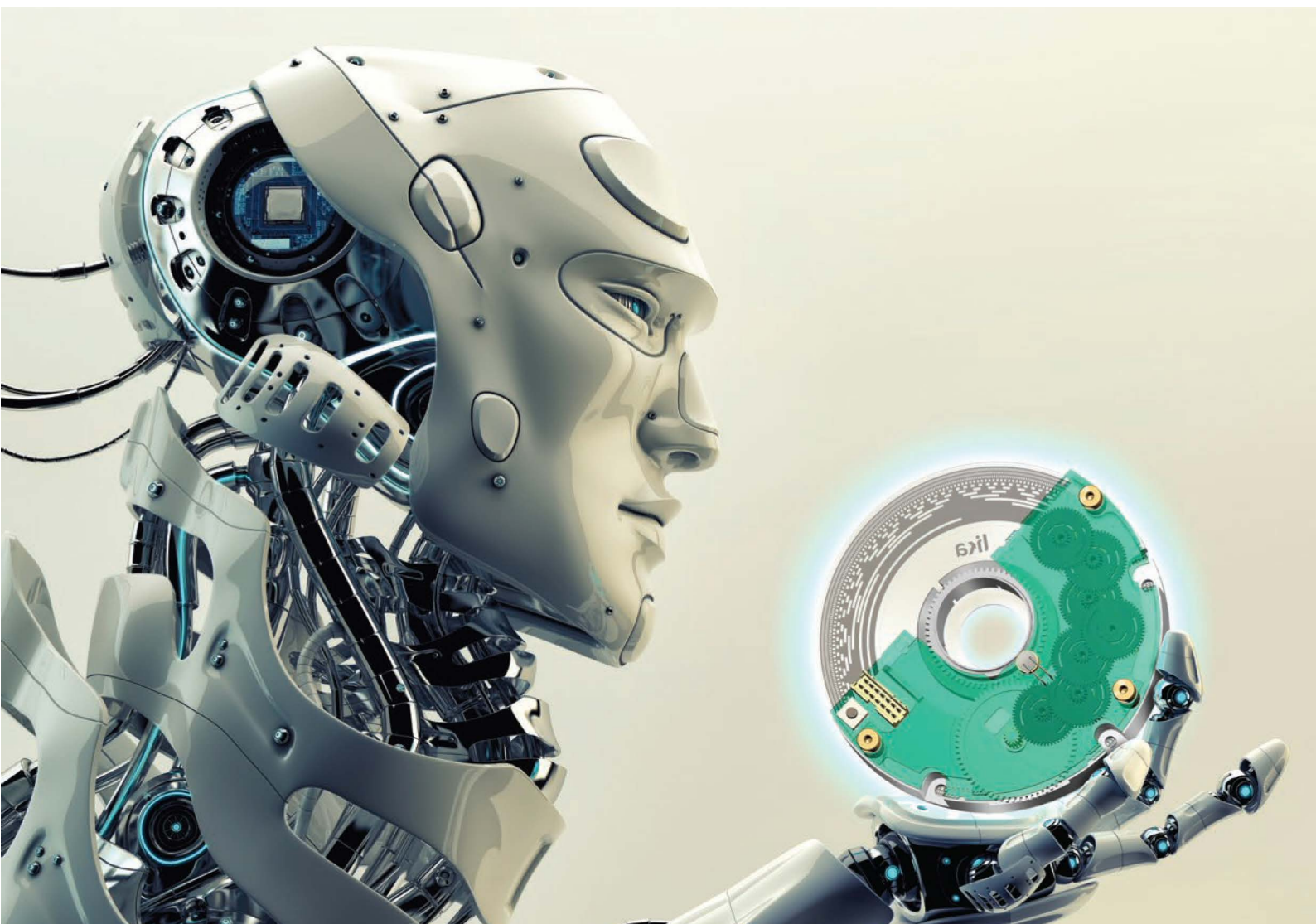




35 YEARS
YOUNG
1982.2017

lika

Smart encoders & actuators



KIT-Encoders for robotics
& motor feedback

#encoder #robotics #motors @likaelectronic

Frameless encoders from Standard to Tailored

Lika Electronic designs and manufactures a comprehensive selection of **standard and frameless high resolution encoders** to suit the **accurate position and speed feedback requirements** of:

- multi-axis robots
- cobots
- motors
- direct drives
- electromedical devices
- military installations
- commercial and defence radars and antennas
- automated surveillance systems

Encoders for robotics are designed to meet this trend. They are **compact with minimum footprint** and low profile and engineered to be integrated **directly into motors** and narrow spaces.

To perfectly fulfill the new requirements mechanical and electrical characteristics (thru-bore diameter, PCB shape and size, resolution, interface, type of connection, etc.) can be **customer-specific**.



AMM8A with BiSS-C/SSI



Absolute multiturn with only 25 mm height

- Precise optical sensing, 20 x 14 bits
- Additional sine/cosine track
- Hollow shaft up to Ø25 mm

ASM36/AMM36 with BiSS-C, RS485



Single & multiturn encoders for servomotors

- Diameter Ø36 mm
- Precise optical sensing up to 21 bits
- Easy and fast calibration procedure

ASM80 KIT encoder for robotics



Precise optical sensing

- Single & multiturn version
- 21 bit resolution
- Ø47 mm hollow shaft

SMAR1 KIT encoder for robotics



Absolute kit encoder for robotics

- Absolute singleturn with 19 bit resolution
- Magnetic sensing
- Ultra flat design < 6 mm

SMAB Bearingless encoder



Rugged magnetic encoder with SSI interface

- Singleturn resolution 16 and 18 bits
- Hollow shaft diameter up to Ø80 mm
- Flat design with protection up to IP68

SMR5H arc-sensing encoder



Contactless sensing of internal curved axes

- Resolution up to 5µm
- Sensing diameter from Ø175 mm
- Protection IP67

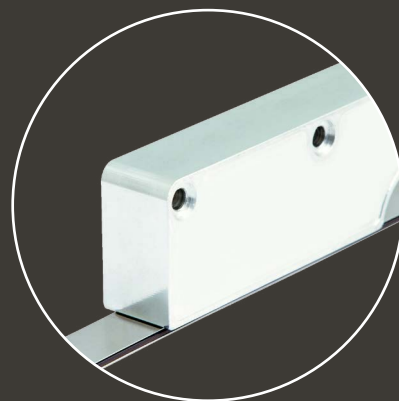
Product range



Rotary encoders



Kit encoders



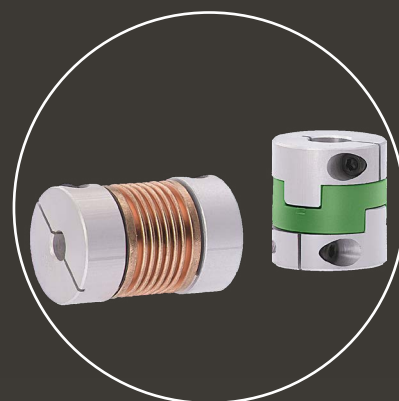
Linear encoders



Draw-wire encoders



Rotary actuators for format adjustment



Flexible and transmission couplings

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