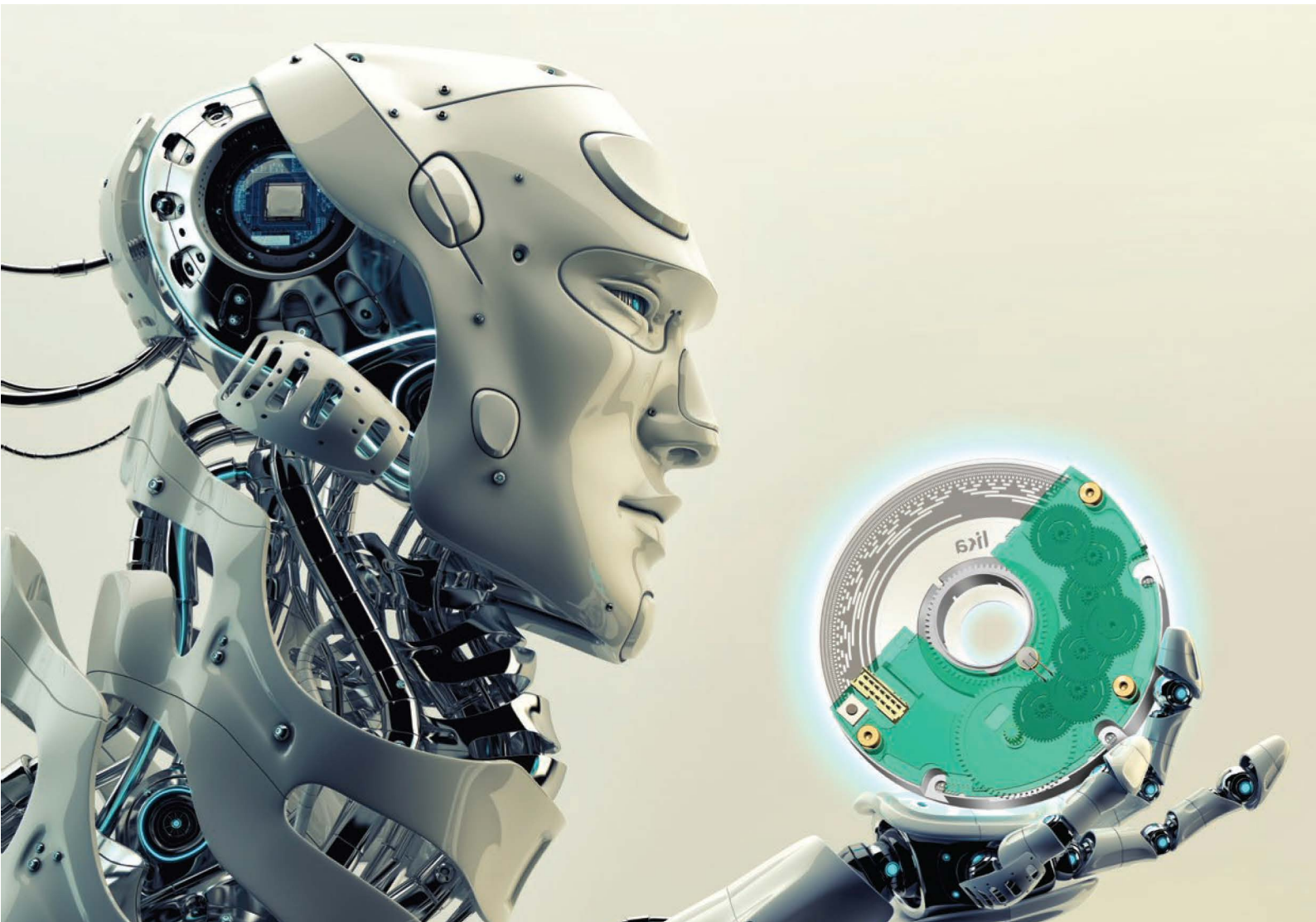




35 YEARS  
YOUNG  
1982.2017

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



### Real absolute multivalue with only 25 mm height

- Precise optical sensing, 20 x 14 bits
- Additional sine/cosine track, 1024 PPR
- Hollow shaft up to  $\varnothing 25$  mm

## AMM36 with BiSS-C & RS485



### Single & multivalue encoder for servomotors

- Diameter  $\varnothing 36$  mm
- Precise optical sensing up to 21 bits
- Easy installation without calibration

## AMM80 Kit-Encoder for robotics



### Single & multivalue with BiSS-C/SSI interface

- Large hollow shaft up to  $\varnothing 45$  mm
- Precise optical sensing up to 23 bits
- Multivalue counter up to 65536 turns

## SMAR1 ultra flat Kit-encoder



### Absolute & incremental on-axis magnetic sensing

- Resolution up to 19 bits or 65536 PPR
- BiSS-C, SSI, SPI, AB0+UVW interfaces
- Hollow shaft up to  $\varnothing 18$  mm

## SMAB bearingless encoder



### Rugged magnetic-ring encoder with SSI

- Singleturn resolution 16 and 18 bits
- Hollow shaft diameter up to  $\varnothing 80$  mm
- Flat design with protection up to IP68

## SMR5H arc-sensing encoder



### Contactless sensing of internal curved axes

- Resolution up to  $5\mu\text{m}$
- Sensing diameter from  $\varnothing 175$  mm
- Protection IP67



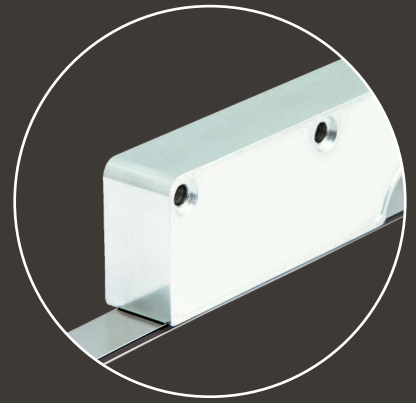
# Product range



Rotary encoders



Kit encoders



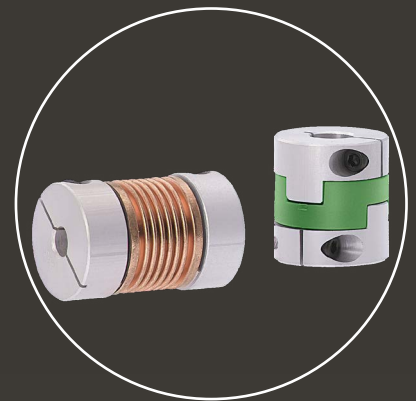
Linear encoders



Draw-wire encoders



Rotary actuators for format adjustment



Flexible and transmission couplings

**lika**



**Lika Electronic Srl**  
Via S. Lorenzo 25  
36010 Carrè (VI) • Italy  
Tel. +39 0445 806600  
Fax +39 0445 806699  
[info@lika.biz](mailto:info@lika.biz) • [www.lika.biz](http://www.lika.biz)

**Lika South East Asia Co. Ltd**  
66/2 Moo 1, Tambon Banlen  
Amphur Bangpa-In Ayutthaya • 13160 Thailand  
Tel. +66 (0) 3535 0737  
Fax +66 (0) 3535 0789  
[info@lika.co.th](mailto:info@lika.co.th) • [www.lika.co.th](http://www.lika.co.th)

