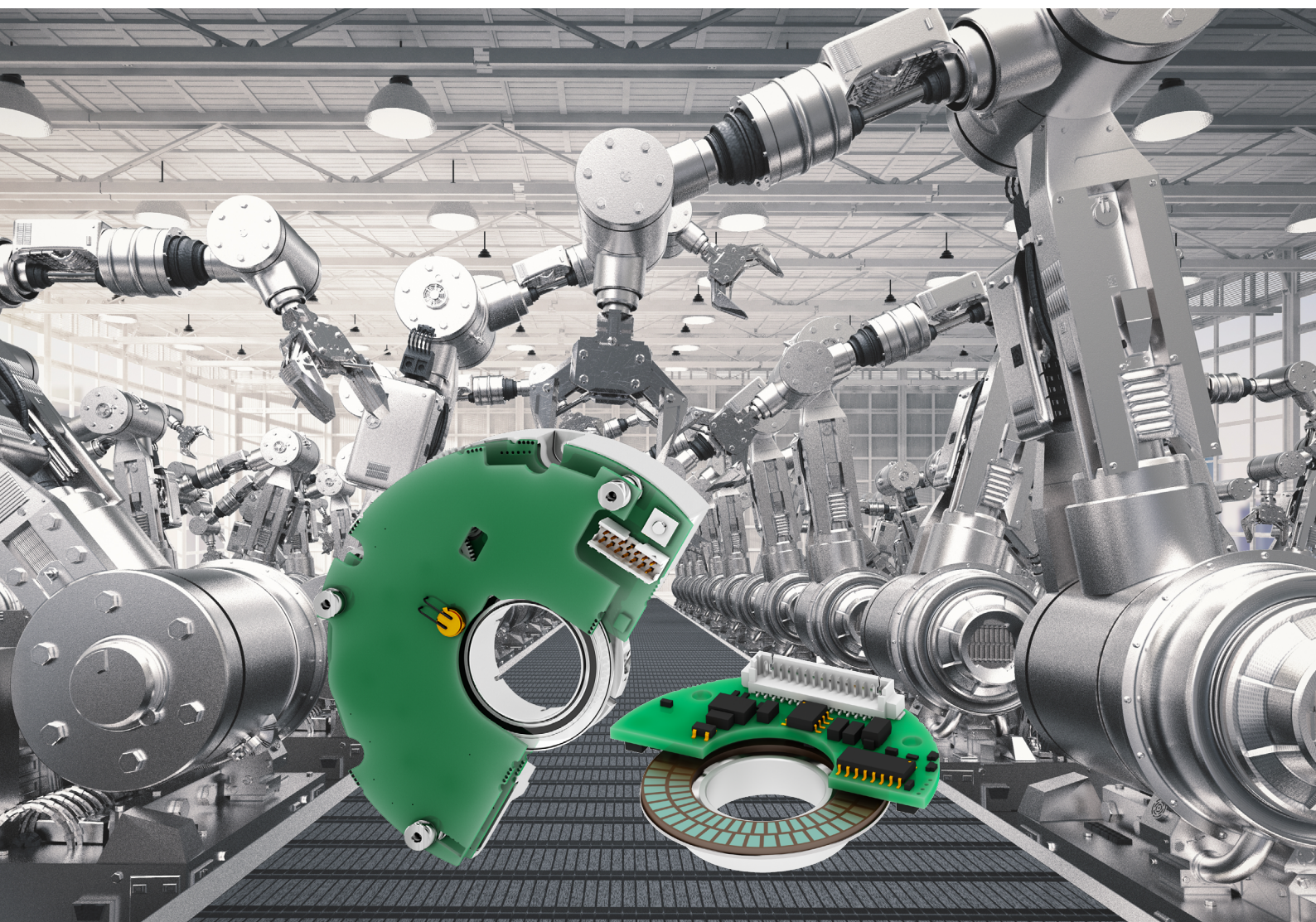




40 YEARS  
YOUNG  
1982.2022

lika

Smart encoders & actuators



# KIT-Encoders for robotics & motor feedback

#encoder #robotics #motors @likaelectronic



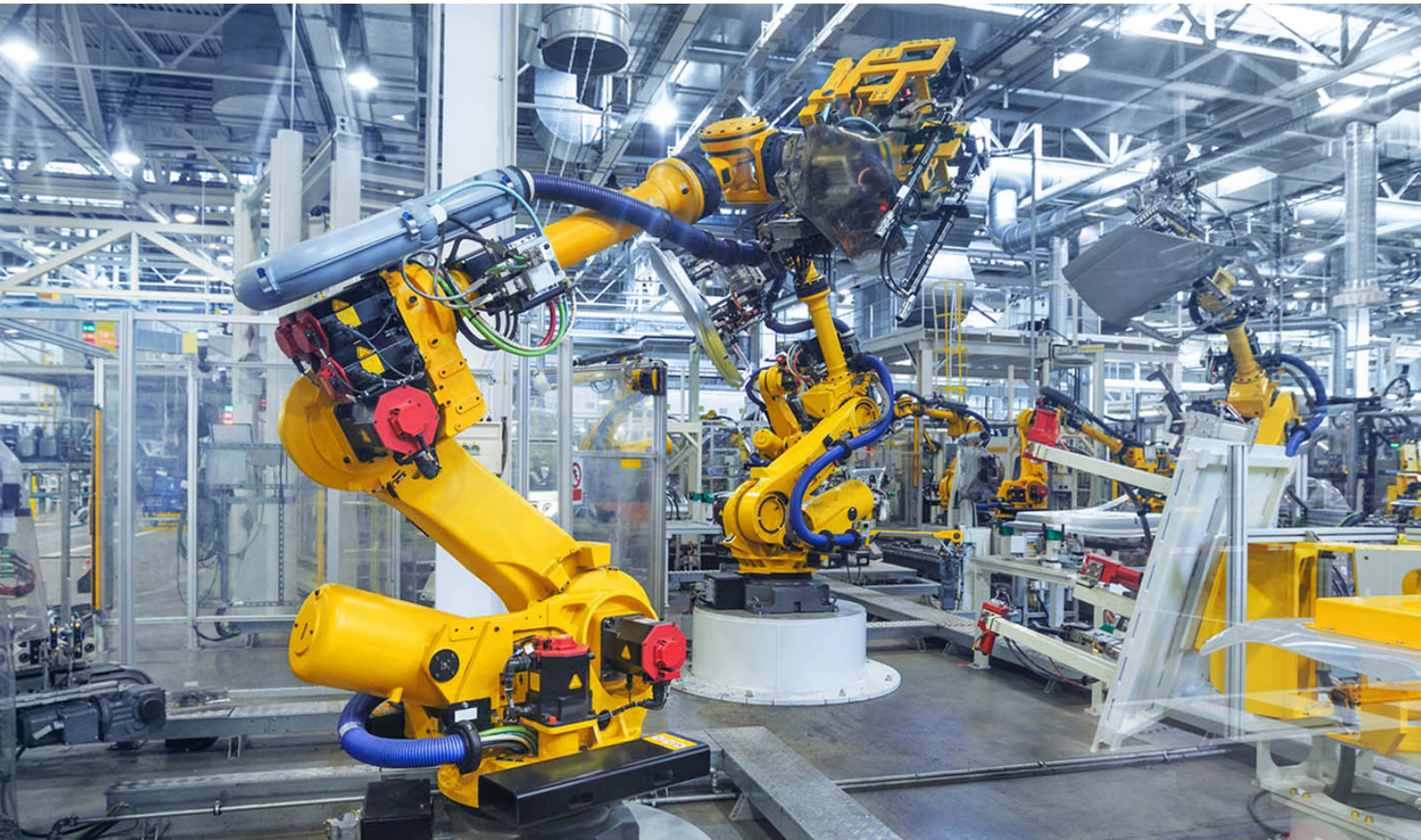
# Frameless encoders from Standard to Tailored

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:

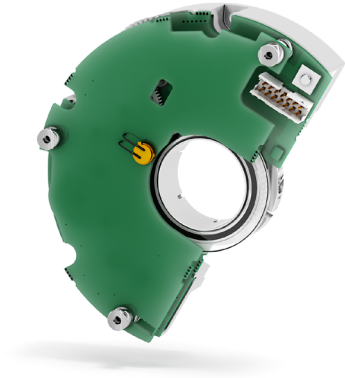
- multi-axis robots
- cobots
- motors
- direct drives
- electromedical devices
- military installations
- commercial and defence radars and antennas
- automated surveillance systems

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**.



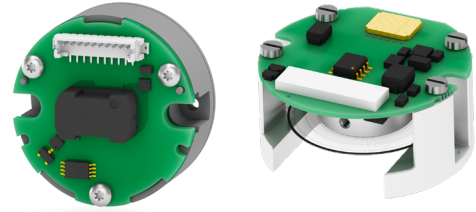
## AMM8A with BiSS-C/SSI



### Real absolute multiturn 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

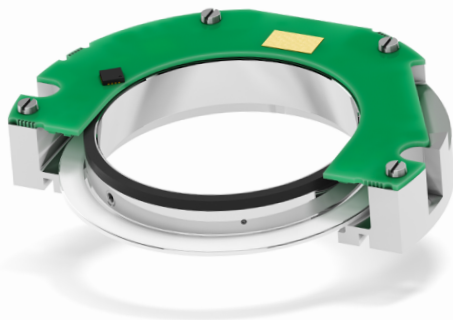
## AMM33, AMM36 with BiSS-C & RS485



### Single & multiturn encoder for servomotors

- Diameter up to  $\varnothing 36$  mm
- Precise optical sensing up to 22 bits
- Magnetic sensing with EHG multiturn

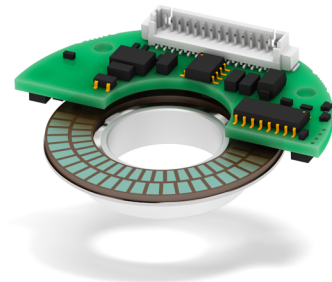
## AMM80 Kit-Encoder for robotics



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

- Large hollow shaft up to  $\varnothing 45$  mm
- Precise optical sensing up to 23 bits
- Multiturn 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

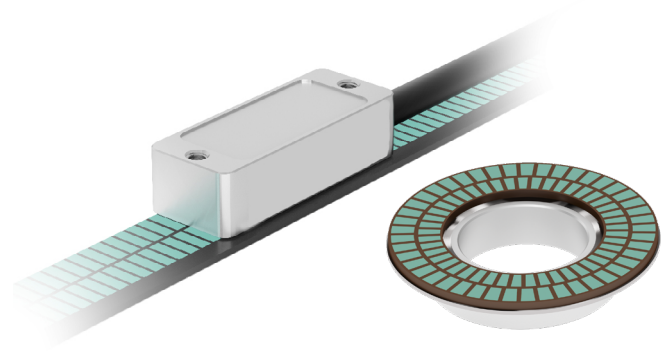
## SMAB bearingless encoder



### 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

## SMA3 contactless absolute encoder



### Multi Adaptive Range Sensor

- Linear sensing up to 19.3 m
- Rotary versions for virtually any diameter
- Submicron resolution down to  $0,29 \mu\text{m}$



# lika<sup>®</sup>

Smart encoders & actuators

## Lika Electronic Srl

Via S. Lorenzo, 25  
36010 Carré (VI) • Italy  
Tel. +39 0445 806600  
[info@lika.it](mailto:info@lika.it) • [www.lika.it](http://www.lika.it)

## German branch

Lika Electronic GmbH  
Tecklenburger Weg 16  
33428 Harsewinkel  
Tel. +49 (0) 524798391-0  
[info@lika.biz](mailto:info@lika.biz) • [www.likaelectronic.de](http://www.likaelectronic.de)

## Asia branch

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

