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电机信息反馈和位置信息反馈

新开发 FLEXCODER 科技技术



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MOTOR & POSITION FEEDBACK

NEW FLEXCODER TECHNOLOGY

新开发 | NEW



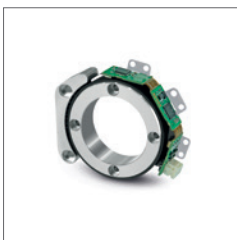
基于 flexCoder 科技技术的旋转绝对式磁性检测系统

其检测系统，由 MSAC200 单圈编码器和 MRAC200 磁环组成，有七种标准尺寸可供选择，得益于 flexCoder 技术，该系统可以根据客户应用进行形式定制和使用调整。



应用优势:

- 测量系统集成紧凑、非常扁平 and 结构微小
- 较大空心轴适合用于缆线和介质软管置入
- 得益于无轴承技术得到无磨损功能
- 组装公差大
- 提供 SSI 和 BiSS C 接口方式
- 提供广泛的标准尺寸
- 编码器和磁环的设计款式可按客户要求定制



Rotary absolute magnetic encoder system with flexCoder technology

The measurement system consists of the singleturn encoder MSAC200 and the magnetic ring MRAC200, which is available in seven standard sizes. The flexCoder technology enables a customized design to fit the system into the application.

Advantages for the applications:

- Compact, very flat and small dimensions of the measurement system
- Large hollow shaft for feed-through of lines and media hoses
- Wear-free bearingless technology
- High mounting tolerances
- Interfaces SSI and BiSS C
- Different standard sizes available
- Custom specific design of encoder and magnet ring

MSAC200 编码器和 MRAC200 磁环

ENCODER MSAC200 & MAGNETIC RING MRAC200

- 磁性原理、旋转式、真正绝对式、无轴承
- 非常扁平、紧凑的安装高度仅 10 mm
- 分辨率高达 20 bit (单圈)

- *Magnetic, rotary, truly absolute, bearingless*
- *Very flat, compact construction height 10 mm*
- *Resolution up to 20 bit (Singleturn)*



MSAC200 编码器概况

- 扁平、紧凑的安装高度仅 10 mm
- 分辨率高达 20 bit (单圈)
- 重复性精度达 0.01°
- 空心轴规格从 30 至 230 mm
- BiSS C 和 SSI 接口方式
- 可选性: 模拟式实时信号输出 Line Driver LD 或 Sin/Cos 1 Vpp

Profile encoder MSAC200

- *Flat, compact construction height 10 mm*
- *Resolution up to 20 bit (singleturn)*
- *Repeat accuracy 0.01°*
- *Hollow shafts from 30 ... 230 mm*
- *Interfaces BiSS C und SSI*
- *Optional: analog real-time signal output line driver LD or sin/cos 1 Vpp*

MRAC200 磁环规格

Dimensions magnet ring MRAC200

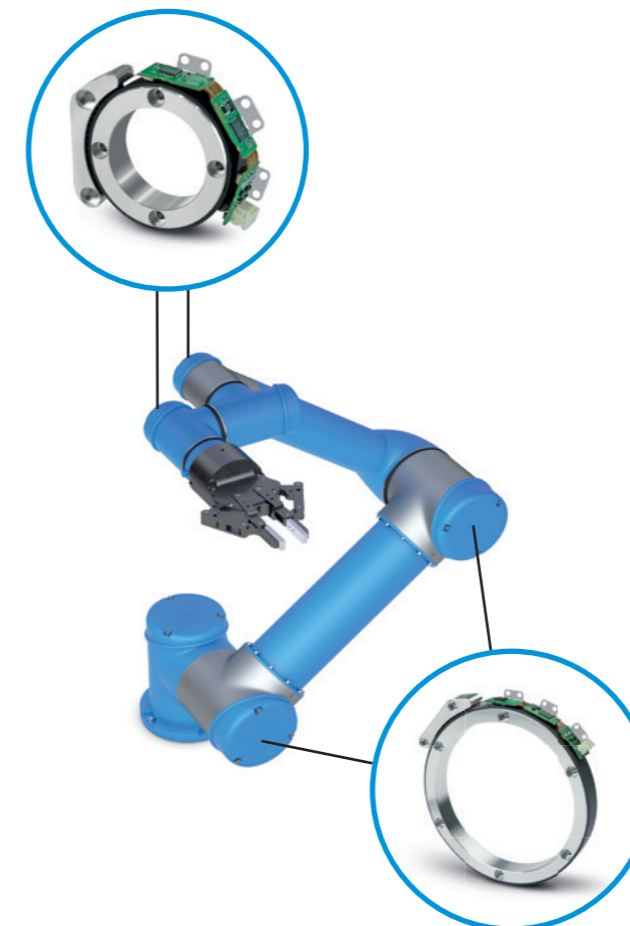
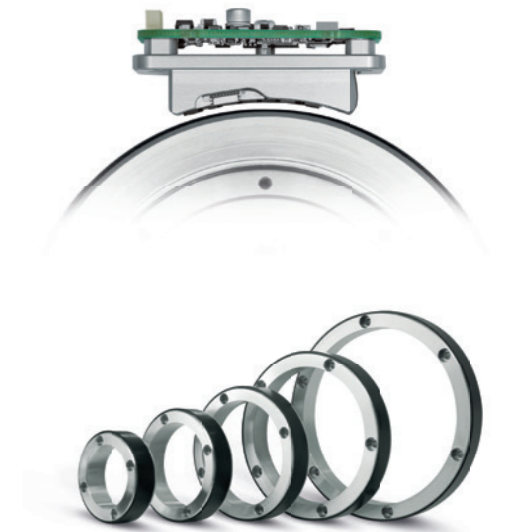
极点 Poles	70	86	102	128	158	224	396
外径 [mm] Outer diameter [mm]	44	54	64	81	100	142	250
内径 [mm] H7 Inner diameter [mm] H7	30	40	50	65	84	125	230
安装方式 Mounting	4x M2.5	4x M2.5	4x M2.5	5x M3	6x M3	6x M3	8x M4

flexCoder 技术

flexCoder 技术代表具备定制化设计结构的编码器和磁环，其借助符合公差精度的装配，集成在狭小空间内，以提供更紧凑的解决方案。SIKO 公司的优势在于磁尺刻度技术和所用电子设备均基于其本司自家的专业技术。

flexCoder technology

The flexCoder technology stands for a customised design of the encoder and magnet rings for the best fitting integration in small installation spaces and the realisation of compact solutions. SIKO has the advantage that inhouse technologies can be drawn on for both, the scale technology and the electronics.



应用领域

为了在有限的安装空间内，精确检测旋转和摆动运动，需要特别集成的检测系统，其尤其受益于 flexCoder 技术。

- 用于直接驱动器和力矩电机
- 机器人关节或协作式机器人运动副
- 移动平台和传动运输系统

Applications

Precise detection of rotary and swivel movements with limited installation space requires the integration of the measurement system and benefits most from the flexCoder technology.

- *Direct drives and torque motors*
- *Robot/cobot joints*
- *Mobile platforms and AGVs*

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