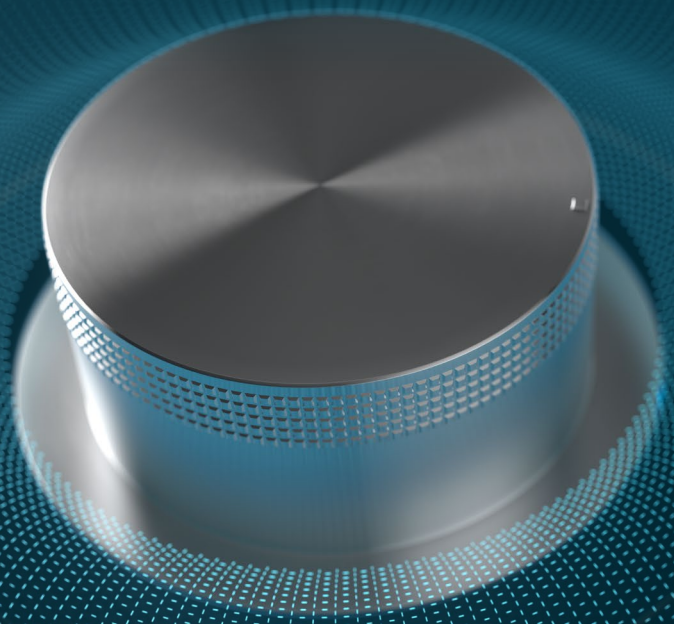
RAFI

SMART ENCODER

ADAPTIVE ROTARY ENCODER WITH PROGRAMMABLE HAPTICS



The SMART ENCODER redefines the feel of rotary encoders. As a software-controlled haptic encoder, it offers a customizable, realistic user experience for every application. Clicks, torque, end stops, and return to center can be flexibly configured and programmed via software.

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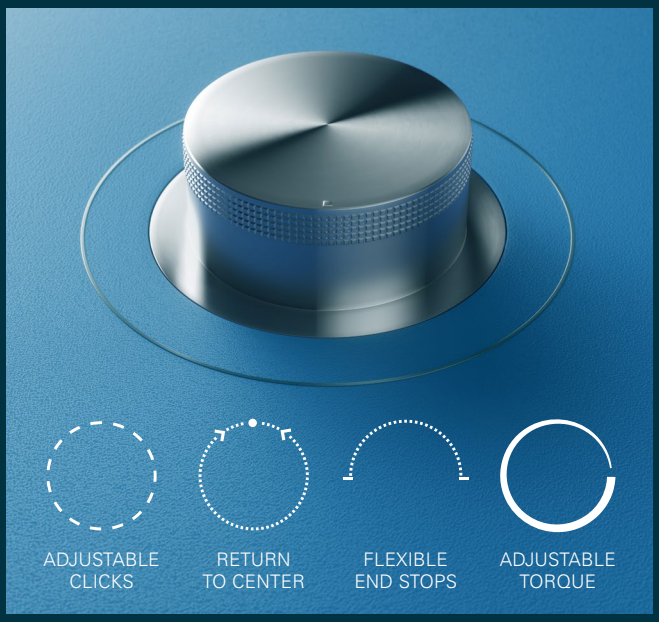


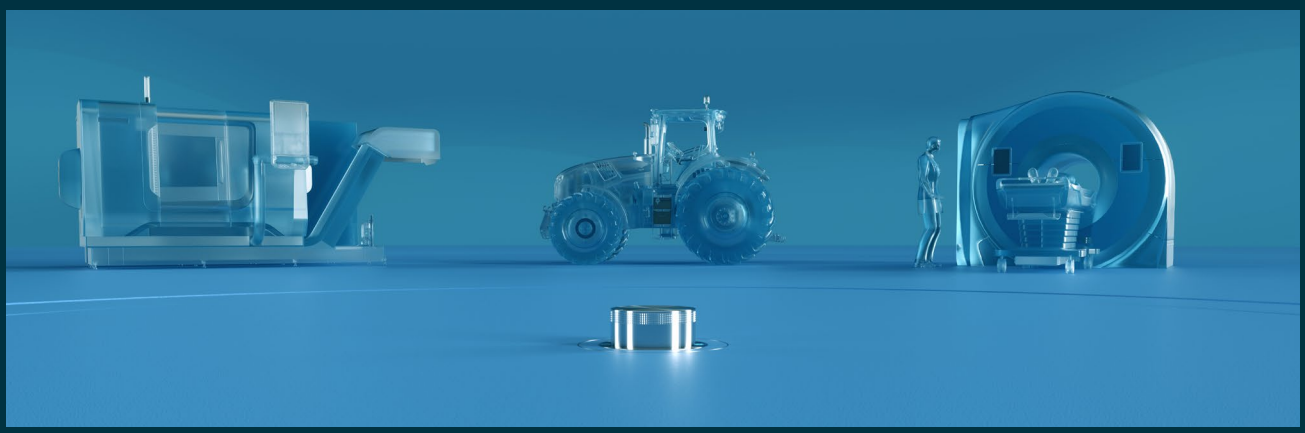
CUSTOMIZABLE AND PROGRAMMABLE HAPTICS

The SMART ENCODER enables fully software-defined haptic behavior, including a variable number and intensity of clicks, allowing the tactile feel to be tailored to each function or user preference. It supports dynamic and user-programmable end stops, enabling virtual limits that can be changed depending on the context or operating mode. An active return-to-center mode can create the feeling of a realistic spring. In addition, dynamic torque control allows the resistance level to be adjusted in real time, providing intuitive feedback and guiding the user through the interaction.

ONE ROTARY ENCODER – MANY APPLICATIONS

Thanks to its fully programmable haptics, the SMART ENCODER can be used in a wide variety of environments and devices, from medical technology and industrial equipment to agricultural and construction machinery.

It provides manufacturers and developers with a standardized, flexible platform solution for numerous areas of application. The result is an intelligent haptic interface that actively interacts with the user and enables a new level of precision, safety, and operating quality. The SMART ENCODER combines digital flexibility and precision for a seamless and intuitive user experience in every application.



YOUR **ADVANTAGES**

- Adaptive haptic feedback matched to your application
- Increased intuitive operation and ergonomics
- One rotary encoder for many applications and industries
- More tactile feedback and fewer operating failures

learn more
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