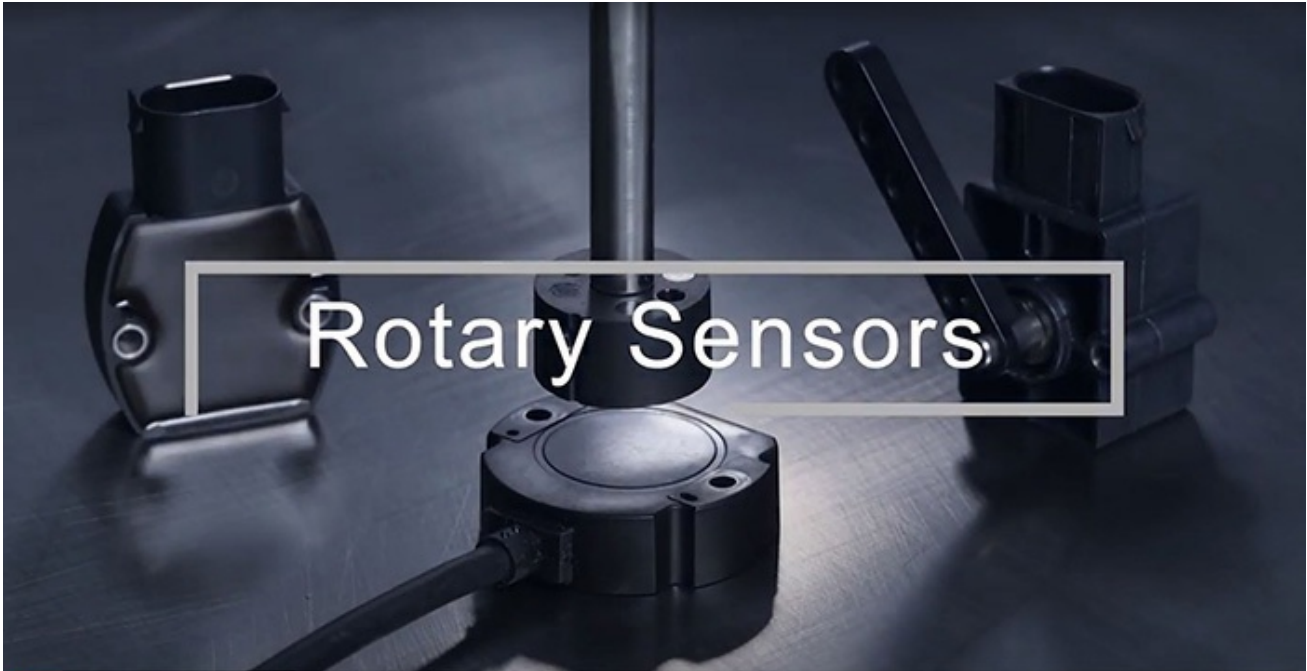


VIDEO

## Rotary position sensors for mobile machinery

With support of Variohm Eurosensor, Novotechnik has uploaded a video of its sensors demonstrating their principle of operation, application potential as well as their development, production, and testing. The sensors provide CANopen or J1939 interfaces.



(Source: Variohm)

As mechanization and automation systems for mobile machinery used in construction, agriculture, municipal, and related industries become progressively more sophisticated, the need for fit for purpose position sensor technology increases. Addressing these challenges, Novotechnik (Germany) - measurement technology provider - manufactures precision magnetic rotary position sensors in non-contacting and touchless designs. These sensor technologies are [showcased in a video](#) that demonstrates their principle of operation, application potential as well as their development, production, and testing.

With sales and technical support from Variohm Eurosensor, Novotechnik's UK distribution partner, these sensors feature shaft-driven designs with housed, non-contacting magnet, and sensor electronics - or completely touchless design with separate position marker magnets and encapsulated sensor electronics. The sensors are suited for mobile machinery positioning mechanics for lift and link arms, cams, cranks, and steering etc. Typical specifications throughout the range include rotation angle up to 360 degrees with 14-bit resolution and IP67 to IP69K protection ratings and operational temperatures from -40 °C to +125° C.

To match all control systems a choice of voltage, current, and ratiometric outputs as well as CANopen or SAE J1939 interfaces with Micro Quadlock and other industry standard connectors for installation convenience are included. In addition, vibration ratings to 20 g (IEC 600658-2-6) as well as shock to 50 g (IEC 68068-2-27) are provided.

Variohm Eurosensor is a manufacturer, distributor, and supply chain partner offering a range of position, force, pressure, load, and temperature sensor technologies - for solutions to demanding measurement applications across industry, construction, agriculture, motorsports, research, and more.

[CW](#)