

## Newsletter April 2024

### IKS9 and IKS15 high-speed incremental encoders for linear motors

**IKS9 and IKS15** high-speed incremental magnetic encoders from Bogen Magnetics are perfect for motion control needs in linear motors and a variety of motion control applications.

They are compact and rugged with either plastic or die cast housing and their IP67 protection rate enables installation in harsh industrial environments.

The magnetic and contactless operation is insensitive to dust, oil, contaminants, and vibrations. They are reliable even at fast speeds up to 100 m/s and can reach an accuracy better than 10  $\mu\text{m}$ .

**They can be paired with linear and even rotary scales** offering 20  $\mu\text{m}$  accuracy class (10 and 3  $\mu\text{m}$  classes are available on request).

The scales can be tailored to the required length and to meet specific needs as well.

A reference track for homing function can be encoded next to the incremental track.

IKS9 encoders provide quadrature signals through Push-Pull and Line Driver outputs with a resolution down to 20 nm.

IKS15 encoders are Sine-Cosine feedback systems and yields 1V or 2Vpp signals.

Complete information!

