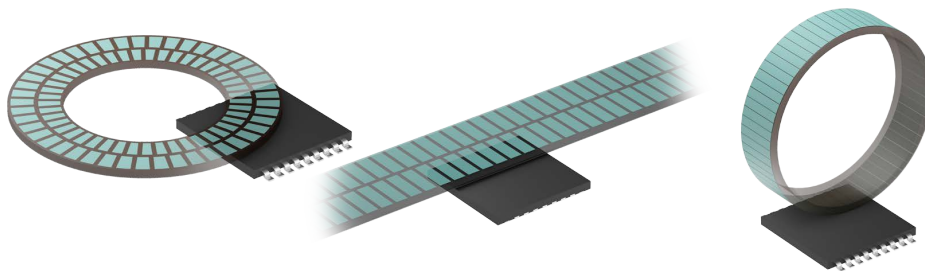


Newsletter April 2025

Enabling precision in robotics: Magnetic measurement for Humanoids & Cobots

Robots are becoming more agile, responsive, and human-like. But what enables such fluid, precise movements? The answer lies in **high-accuracy, lightweight, and compact absolute magnetic measurement systems**, the foundation of precision positioning in humanoids and collaborative robots (cobots).



Bogen is the only company able to provide **custom-made magnetic scales in small series** at a comparatively low price for all kinds of sensor chips on the market.

At BOGEN, we specialize in **advanced magnetic sensing solutions** that push the boundaries of robotic motion control. Our innovations include:

- **High-precision absolute measuring systems** – Delivering seamless, real-time position feedback to enable lifelike, dexterous movement.
- **Double-ring solution for robotic joints** – Boosting rotational precision and compactness to improve the flexibility and stability of robotic arms with a high level of functional safety.
- **Proven performance in cutting-edge robotics** – Our technology is already worldwide integrated into advanced robotic applications, optimizing efficiency and responsiveness.

We are ready to deliver you sample quantities up to more than 10,000 a month.

Need a rotary or linear scale that fits your challenge? Let's create one together!

Contact us at magnetics@bogen-magnetics.com to know more.