# Press Release

**Smart encoders: Cost-efficient connection and parameterization flexibility**

(11/23/2021) Electrical and mechanical integration of encoders has become much easier and more economically viable. The new bearingless encoder EB200E from Baumer is proving this right. It can be compactly integrated on any axis without complex adaptation of the mechanics. EB200E is the first smart incremental bearingless encoder with IO-Link on the market. The interface reduces the cost and effort of cabling and a speed monitoring function replaces additional hardware components.

The IO-Link interface allows for up to 8 encoders to be connected to an IO-Link master by cost-effective standard cables. This way, EB200E opens up completely new areas of application: Encoder parameterization is via IO-Link. This interface enables parameterization of two switching outputs to act as a speed monitor for overspeed, speed range, standstill or direction of rotation. Furthermore, EB200E also delivers conventional HTL signals.

With a shallow installation depth of 12 mm and flexible shaft diameters, the bearingless encoder integrates into the machine design in a space-saving way. Thanks to non-contact sensing between sensor head and magnet ring, the encoder endures dirt, shock or vibration. Also the new Baumer Sensor Suite supports plant engineers as convenient PC tool for intuitive parameterization and data visualization.

Learn more: [www.baumer.com/eb200e](http://www.baumer.com/eb200e)

**Baumer at SPS 2021: Hall 4A, Booth 335**

Photo: EB200E smart encoder allows for more efficient machine concepts based on cost-effective connection and parameterization flexibility.

Infographic: By virtue of speed and position feedback, speed monitoring function and IO-Link parameterization, EB200E integrates into future-proof machine environments.

Anzahl Zeichen (mit Leerzeichen): ca. 1511

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**Baumer Group**

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Number of characters (with spaces): approx. 1400

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**Baumer Group**

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