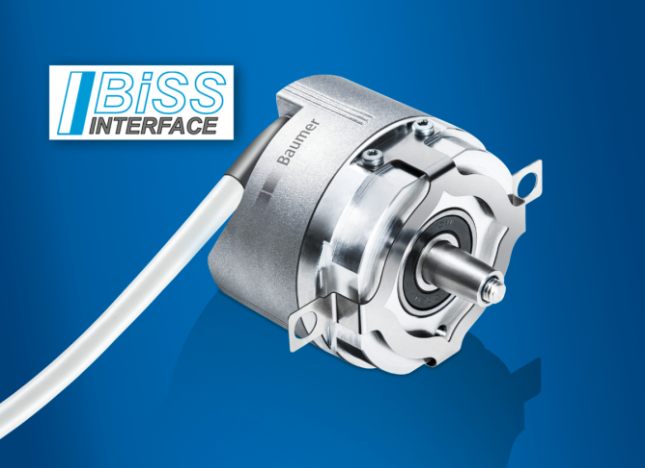
# Press Release

**Absolute motor feedback encoders – perfected in efficiency and precision**

(27.06.2016) The absolute motor feedback encoders EFL580 BiSS C by Baumer ensure excellent signal quality thanks to high-precision mechanics and optical sensing. The EFL series further excels by its high-integration design and cross-series parts commonality to reduce cost and enhance service life. For users, this means reliable products of superior quality at economic prices.

The rotor position is precisely acquired by optical sensing providing the absolute position with a standard resolution of 13 bits singleturn. Additionally, SinCos signals with 2048 periods per turn are generated. Optional resolutions up to 21 bits and high-speed transmission at clock rates up to 10 MHz enable all-digital speed feedback. Besides high transmission reliability protected by CRC checksum, the open high-speed protocol BiSS C enables bidirectional communication for acquisition and preset of the absolute position, coupled with versatile diagnostic options.

The EFL series integrates an Opto-ASIC which is immune to interference and merges the basic optical encoder functionalities such as position feedback, signal processing and communication interface in one single component. High-integration design and limited number of components improve shock and vibration resistance for enhanced encoder service life. The ShaftLock bearing concept with robust and generously sized quality bearings has been standing the test of practice for more than 15 years and protects the sensing unit against axial impacts or shocks, preventing downtime and repair for ultimate service life.

Learn more:

http://www.baumer.com/EFL580

Photo: Efficiency in perfection – economic absolute encoders with high-precision optical sensing.

Number of characters (with spaces): 1554

Text and picture download at: [**www.baumer.com/press**](http://www.baumer.com/press)

**Baumer Group**

The Baumer Group is one of the worldwide leading manufacturers of sensors, encoders, measuring instruments and components for automated image-processing. Baumer combines innovative technologies and customer-oriented service into intelligent solutions for factory and process automation and offers an unrivalled wide technology and product portfolio. With around 2,300 employees and 38 subsidiaries in 19 countries, the family-owned group of companies is always close to the customer. Baumer provides clients in most diverse industries with vital benefits and measurable added value by worldwide consistent high quality standards and outstanding innovative potential. Learn more at [www.baumer.com](http://www.baumer.com) on the internet.

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