



## NEXT GENERATION SENSOR

SICK's next-generation W16 and W26 smart sensors with "BluePilot" alignment are at the helm of a streamlined portfolio of photoelectric sensors, radically-upgraded to optimise ease-of-use with complete object detection reliability.

For usability, the W16 and W26 sensors are launched with SICK's new BluePilot assistant, which features a line of five LEDs mounted on top of the sensor for quick, easy and accurate alignment of the light spot even over long distances. The

BluePilot combines a potentiometer and teach-in button to simplify set up, range assessment and application mode selection, and provides a real-time on-sensor status display.

Features include SICK's patented Twin-Eye technology which achieves reliable detection for reflective materials such as films, foils, contrast-rich or uneven surfaces; and LineSpot linear optics to provide highly-reliable detection where the object has mesh, perforations, integral gaps or breaks.

**Tel: 01727 831121**

## FREE MACHINERY DIRECTIVE POSTER AIDS COMPLIANCE

Pilz has produced a poster of the European Harmonised Standards associated with the Machinery Directive 2006/42/EC, the main legislation governing health and safety requirements for machines across Europe.

Setting the criteria for a safe machine, the Machinery Directive (MD) is supported by the following groups of European harmonised standards:

- A-type standards specify basic concepts, terminology and design principles applicable to all categories of machinery
- B-type standards deal with specific aspects of machinery safety or specific types of safeguard that can be used across a wide range of categories of machinery
- C-type standards provide specifications for a given category of machinery.

The new poster, entitled Safeguards for plant and machinery, offers an overview of the standards, while also highlighting Pilz products that can help machine builders comply with the standards. In addition, webcodes provide quick access to further, more detailed information on the Pilz website.

To download the Machinery Directive poster in PDF format, visit [www.pilz.co.uk](http://www.pilz.co.uk) and search for 'Poster Safeguards'. To receive it in print format, email [marketing@pilz.co.uk](mailto:marketing@pilz.co.uk)  
**Tel: 01536 460766**



## PNEUMATIC CYLINDER SENSORS SUPPORT INDUSTRY 4.0

Parker Hannifin is supporting Industry 4.0 initiatives with its new P8S CPS series of 'smart' sensors for pneumatic cylinders. The sensors feature intelligent functionality such as the ability to acquire and locally process information, and communicate with upper level controllers and/or local networks.

The P8S CPS Continuous Position Sensor enables quick, precise, high-resolution and contactless sensing of a piston's position in a cylinder. Importantly, direct detection of the

piston magnet is achieved without the need for separate position encoders or additional mechanics.

For cylinders, linear slides and grippers with common T-slot dimensions, P8S CPS sensors can be mounted without the need for extra accessories, while mounting on other cylinder types, such as round-rod, tie-rod and profile cylinders (and cylinders with a dovetail groove), is possible using a simple adaptor.

**Tel: +46 (0) 31 750 44 00**



## WIRELESS TEST RIGS

Fareham-based Tirius, a company at the forefront of electric vehicle design and development for over 20 years, has supplied a test rig based on a wireless torque sensor to a renowned UK University automotive research facility.

The research involves running each motor on a test rig through its full output range and mapping its torque output at many points to build up a performance profile. The design of the test rig is in fact quite simple, thanks to the torque sensor, a

TorqSense, made by Sensor Technology.

TorqSense uses two piezo-electric combs which are simply glued to the drive shaft at right angles to one another. As the shaft turns it naturally twists along its length very slightly and in proportion to the torque, which deforms the combs changing their piezo-signature. This change is measured wirelessly by a radio frequency pick up and is a measure of the instantaneous torque value.

**Tel: 01869 238400**



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