



SOLVING THE SENSOR APPLICATION ISSUES OTHERS FAIL TO FIGURE OUT

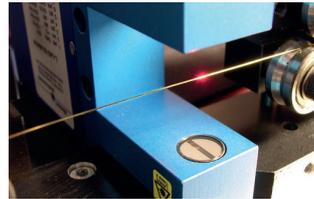
Last summer, Sensor Centre was appointed as the UK partner for specialist colour and measurement sensor manufacturer, Sensor Instruments. Based in Thurmansbang, Germany, Sensor Instruments has built a reputation across most of Europe and North America for solving the sensor application issues other sensor companies have failed to solve, or where vision-based solutions proved unreliable and prohibitively expensive. With the help of Sensor Centre, and several successful applications implemented to date, Sensor Instruments is starting to build its presence in the UK. See below some examples of applications we have solved this year.

The SPECTRO-3 series of colour sensor were adopted by several automotive industry suppliers to quickly and accurately identify interior and exterior colours, everything from black carpets to metallic silver paints. The packaging industry is also widely using the sensors to detect colour on a multitude of products including



drinks bottles and makeup. The sensors are quick and easy to set up and are not affected by any changes in ambient lighting, unlike other vision solutions. The SPECTRO-3 series can output up to 62 colours and is available in several different housing styles to suit most mounting requirements. There are also fibre optic versions which are ideal for detection in harsh locations or where space is of a premium.

The LAS series is an extensive range of measurement and position lasers with a typical resolution of 2µm. We have recently used them to measure the diameter of wire in the steel industry and for edge guidance during the manufacture of glass. The



through beam versions are available with circular or rectangular spots and are able to detect objects as small as 0.01mm at distances of up to 100 metres. There are also line sensor models for covering heights of up to 100mm at distances as long as 2 metres between the emitter and receiver. The direct detection models use the triangulation principle and can measure at

distances up to 1.2 metres whilst still resolving down to 0.1mm. These sensors are used for thickness measurement and accurate position control within a wide range of industries.

If you have an application or issue that you would like to discuss, we are happy to visit your company and demonstrate any of the products mentioned above. Alternatively you can find the Sensor Instruments products on our website www.sensorcentre.com.

