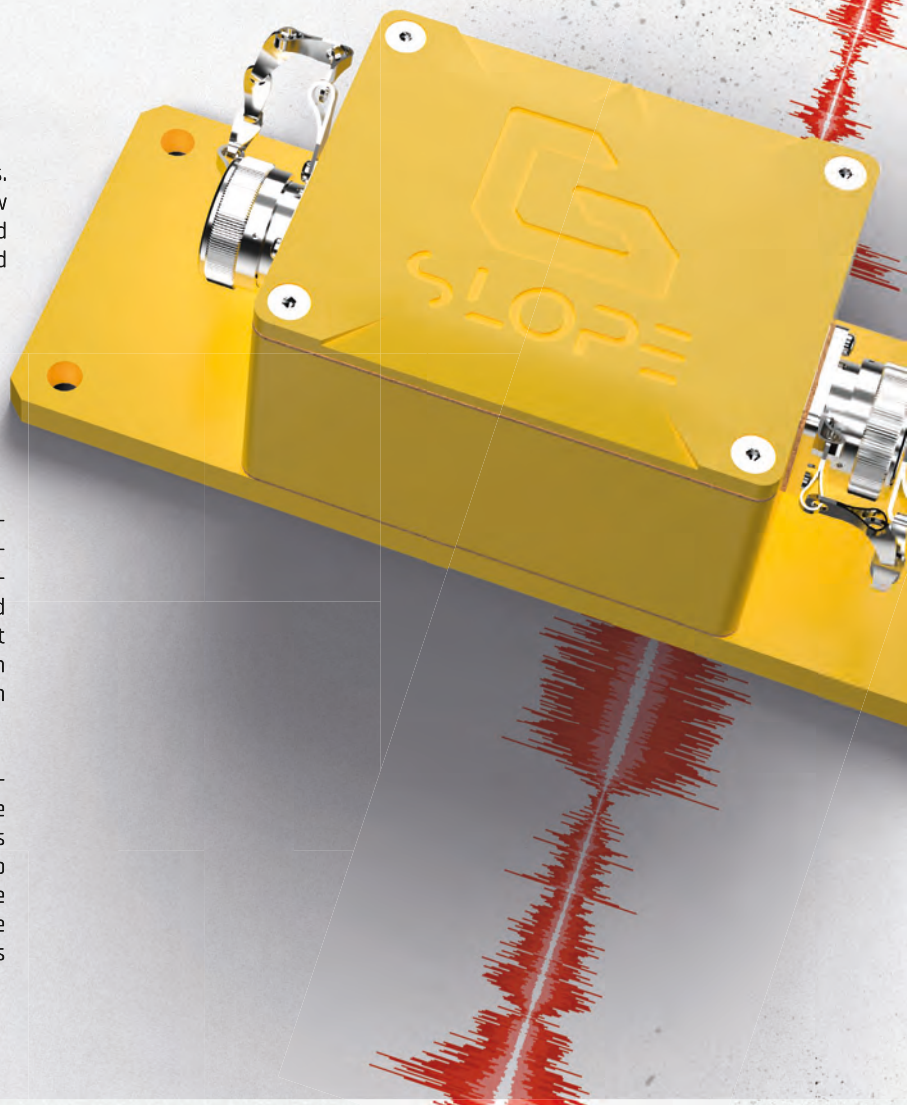
MOBA
MOBILE AUTOMATION

GOOD, BETTER, PERFECT

SLOPE SENSORS **REDEFINED**



THE CHALLENGE

Today, slope sensors are state-of-the art for asphalt pavers. However, we wanted to present the status quo with a new challenge. Current slope sensors can be negatively impacted by lateral accelerations, by strong vibrations of the screed and indeed by the tractor unit.

THE SOLUTION: **SENSOR FUSION**

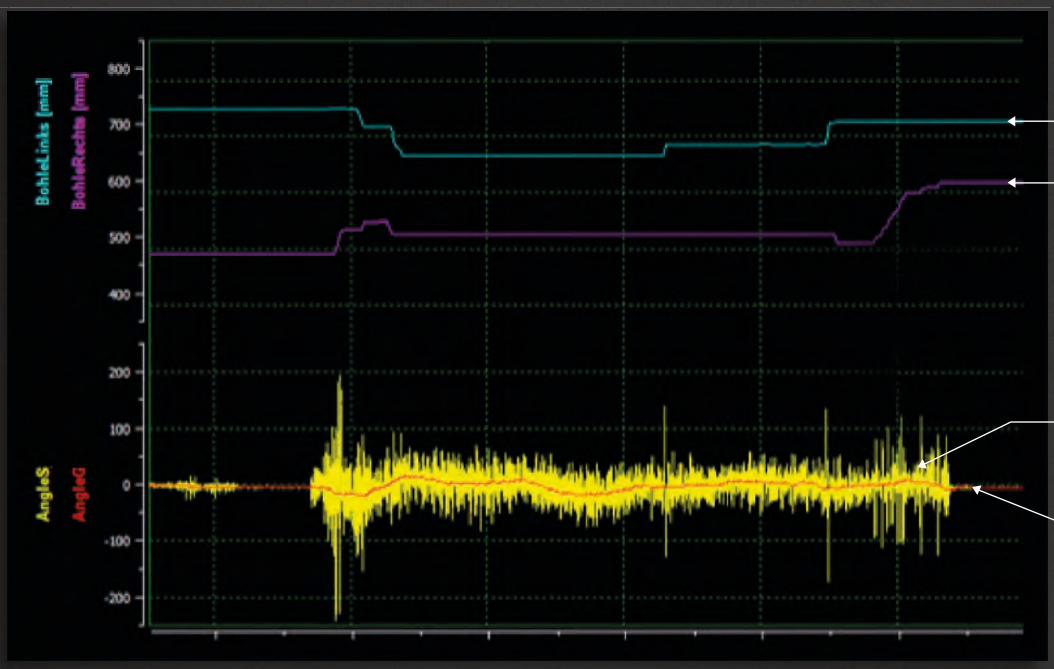
The brand-new MOBA MGS-0150 slope sensor has been specially developed for asphalt pavers. Combining it with an integrated high-precision gyroscope reduces errors and measurement deviations to a minimum. The robust, field-tested housing has been thoroughly updated in its functions, so that it now offers even greater stability, complete with a modern look. Once again, the MGS-0150 is setting new standards in the market.

Horizontal forces, in particular, can be highly disruptive, causing strong deviations from the measured values. In the rough everyday life of a construction site, this may be events such as screed being moved in and out, trucks docking to the paver or the steering of the tractor unit. This is where the new MGS-0150, with its combination of proven LSTA slope measurement and state-of-the-art gyro engineering, shows its strength and defines what is technically feasible today.

NEXT LEVEL

MOBA MGS-0150

SLOPE SENSOR FOR ASPHALT PAVERS



VIEW OF THE ELIMINATION OF ERRORS IN THE EVENT OF CHANGES IN SCREED WIDTH

TECHNICAL DATA

European Patent **3276080**

// MEASURING PARAMETERS

Measuring range:	±15°
Internal resolution:	0,01%
Zero point accuracy:	± 0,1 %

// MECHANICAL PROPERTIES

Weight:	1,9 kg
Ingress protection:	IP67

// AMBIENT CONDITIONS

Working temperature:	-25 ... +85 °C
Storage temperature:	-25 ... +85 °C

// ELECTRONIC PROPERTIES

Operating voltage:	10 ... 30 V (DC)
Power consumption:	≤ 50 mA

// INTERFACES

CAN: ISO 11898 - 24V / 125 kBit/s

MOBA AG
Kapellenstraße 15
65549 Limburg

+49 6431 9577 0
https://mobile-automation.eu