

# Genie upgrades SmartLink

Genie has updated its SmartLink control system designed for Genie scissors and portable products including its GR, GRC, QS, slab scissors and GS69DC/BE scissors.

Driven by customer demand, Genie has simplified the system's platform controller, user interface as well as introducing additional functionality, such as proportional lift control on the joystick. The manufacturer says the upgrade will also reduce hand fatigue by replacing the 'push and hold' with a 'momentary push' button sequence to begin lifting. The upgrade will be fitted as standard to all new machines later this year and can be easily retrofitted on existing machines.

Introduced in 2011, Genie's SmartLink allows customers to interact with the machine's



The simplified SmartLink controller.

diagnostics directly on the unit without any additional tools. Advanced diagnostics can also be obtained via an ethernet cable.

## SmartGrip from Liebherr

Liebherr Maritime Cranes has launched its new SmartGrip grab for its range of mobile harbour cranes which claims to boost productivity by over 30 percent.

Typically only 70 percent of a grab's capacity is used, due to sub-optimal grabbing angles and varying material density. As a result Liebherr has developed a system which automatically adapts the grab's filling rate and capacity depending on the bulk density, compression and granularity as well as depth of impression and type of grab. It can also account for the grab's size and outreach ensuring optimal filling rates. The system can be used to prevent

overloads, which often occur when lifting from a load of sticky material, by controlling the filling of the grab to suit the load chart curve of the crane. In addition, it can be manually set for specific loads which can be useful when loading on to vehicles with fixed carrying capacities.

SmartGrip is suitable for retrofitting on older Liebherr cranes with the installation said to be quick and easy.



# Detection system from Brigade

Vehicle safety system manufacturer Brigade Electronics has launched a new range of radar detection systems which notifies operators of stationary or moving objects in a vehicle's blind spot.

The four-model range of Backsense radar systems provides drivers with an in-cab, visual and audible warning should an object enter the detection area, with its display featuring five different coloured LED lights which correspond to the different distance zones. An alarm also provides a warning sound which can be adjusted in volume from 65 to 90 decibels. The system's sensor is water, dust and mud resistant and has been designed to work in the dark and harsh environments including smoke and fog.

The fully programmable BS-8000 model is the most versatile of the four models offering a bespoke detection area ranging from three to 30 metres in length and between two and 10 metres wide. With the use of a PC and Brigade's software

Brigade's new radar detection system has been designed to work in harsh working environments.



the spread of the beam can be adjusted, for example to the width of the machine in order to minimise false alerts on a busy site. The five detection zones can also be tailored to suit the vehicle and its surroundings and any parts of the vehicle intruding on the detection area can be easily programmed out.

The other three models (BS-7030, BS-7045 and BS-7060) have a fixed detection area of three, 4.5 and six metres respectively.

## Inclinometer sensors from BEI

BEI Sensors has introduced the T-Series of compact and high performance inclinometers designed to measure a machine's tilt angle.

Using advanced micro-electromechanical systems (MEMS) technology, the T-Series offer a wide range of motion feedback including dual axis up to plus 60 degrees or single axis of 360 degree, with resolution of 0.01 and accuracy of 0.1 degrees. Available output options include 4-20mA or 0.5 - 4.5V for a simple analog interface, or a CANopen output for ease of integration into existing bus systems.

Incorporating built-in linearity and temperature compensation - both for offset and sensitivity - the



BEI Sensors' compact T-Series industrial inclinometers.

tilt sensors are either encased in fibreglass reinforced plastic, or an AW6082-T6 aluminium alloy housing. Designed for harsh outdoor applications it is said to be extremely robust for high shock and vibration environments.

BEI Sensors has said the T-Series is ideal for tilt measurement applications on industrial equipment such as mobile cranes, aerial lifts, telehandlers/forklifts, drilling towers as well as other construction and agricultural machinery.

enquiries

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