

## EQUIPMENT UPDATE

**New hydraulic breaker range from Hitachi**

Hitachi has introduced a range of new high-performance hydraulic breakers for use with its full line-up of ZX excavators from ZX10 up to ZX890.

The company says the new breakers are lightweight but very durable, with increased impact energy due to a nitrogen-charged back head that enables energy transfer to where it is most required.

The slim design of the breaker is intended to enable easy accessibility in demolition and trench work while providing high levels of efficiency and productivity in quarrying applications. The top damper is designed to reduce noise and vibration, leading to a less intrusive and more environmentally friendly job site while reducing operator fatigue and machine wear and tear.

The serviceable floating rod seal minimises dust intake, which Hitachi says results in an extended lifetime.

The mono-block cylinder with a replaceable cylinder liner has been developed to reduce the number of parts in the attachment. The front head design includes a replaceable thrust bushing for extended service life, and auto lube is fitted as standard on model FXJ125 onwards.

[www.hitachicm.eu](http://www.hitachicm.eu)



The hydraulic breaker range is designed for Hitachi ZX excavators



The Sparcric G solution is designed to make conveyor maintenance quicker and safer

## Removing risk from conveyor belt maintenance

R Brunone has developed the new Sparcric G maintenance solution for replacing conveyor belt rollers.

The French bulk handling solutions company says the device can be installed on any conveyor and enables replacement to be safely carried out by one operator rather than the two that are normally required.

The operator uses a hand pump to operate the tool lifting the conveyor belt. Once the Sparcric device has been fitted, both their hands are completely free, allowing the rollers to be replaced.

R Brunone says that operators often use tools that are not suitable for replacing conveyor rollers such as bars, forklifts or hoists. It adds that this increases the risk of injuries from a sliding bar or falling rollers.

The company claims that using the Sparcric G solution can reduce the average time spent on

maintenance operations by 50% and is less physically onerous for operators. It is now available worldwide.

It is available for four belt widths: 500-800mm, 1,000-1,200mm, 1,400-1,600mm and 1,800-2,000mm. It can be operated with a manual pump delivered with the solution, with an electrical pump as an option or with compressed air if available on the site.

"This patented innovation is the result of 25 years of experience and development of innovative solutions in the bulk handling industry in close collaboration with customers," the company states. It adds that its goal is to improve safety and performance in bulk handling in quarries, mines and ports in addition to industries such as steel, paper mills and power plants.

[www.brunone.fr](http://www.brunone.fr)

## Liebherr and Designwerk develop electric truck mixers

Equipment manufacturer Liebherr and electric mobility company Designwerk have combined to develop fully electric truck concrete mixers with 10m<sup>3</sup> and 12m<sup>3</sup> drums on a 5-axle chassis.

The companies say the move is designed to reduce the carbon footprint of the global concrete supply sector.

Liebherr adds that the ETM 1005 and 1205 truck mixers transport large quantities of concrete to the construction site quietly and reliably without exhaust emissions. Charging is normally only necessary at night due to the large accumulator capacities.

According to Liebherr, the Futuricum chassis can cope with the weight of the concrete quite easily, and there is an energy recovery system in place so that braking further increases the

range of the truck and reduces operating and maintenance costs.

Liebherr and ZF developed a drum drive consisting of a low-maintenance unit and efficient unit of electric motor and gearbox. The truck and the truck mixer body are powered jointly by the traction battery, which helps to remove the need for power electronics components.

The compact electric drive for the mixing drum is flanged directly to the drum and is designed to ensure that power

consumption for relieving the traction battery of the Futuricum truck remains low.

Liebherr claims it also eliminates the need for hydraulic components such as hose connections and pumps.

The first units to go into operation will work for Liebherr customers Holcim and KIBAG in Switzerland.

[www.liebherr.com](http://www.liebherr.com)

Liebherr's new fully electric ETM 1205 truck mixer

