

# Bell's bigger ADT

**Bell Equipment is introducing a 60tonne articulated dump truck, designed to compete with rigid haulers in quarry applications.**

Currently in prototype form, the B60E uses much of the front chassis and cab from the company's B50E 50tonner. However behind the articulation joint, the truck has a shortened chassis with a single Kessler rear axle and twin rear wheels.

This shorter rear chassis carries a shorter, squarer 35m<sup>2</sup> dump body that offers a similar loading target for excavators and shovels used to rigid truck designs.

The truck uses underbody hydraulic tipping rams like a rigid truck, rather than the side-mounted rams of a

conventional ADT. The B60E is powered by an MTU diesel engine, as with the firm's smaller models.

"By combining the ADT concept as we know it with the single rear axle, we came up with a 4x4 with full articulation steering and oscillation joint and that gives us the ability to keep all four driving wheels on the ground and fully utilise the traction that's available," said product marketing manager Tristan du Pisanie.

"This gives our 60tonne truck more off-road capability than any conventional rigid truck. The rear chassis and suspension are distinctly different from an ADT concept. A cradle supports the rear axle with struts being used to create shock absorption for a controlled ride."



Bell's large ADT option

The B60E has been designed for hard ground applications, such as mines and quarries, with tight turns.

"However, the B60E's real niche is where wet weather

conditions can adversely affect traction and rigid trucks would normally have to stop production when rain falls," said du Pisanie.

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

## XT for Rockmore's Vector Rod System

Rockmore International's new line of drill tools is conceived to be a "major breakthrough in improving performance and service life of extension drill tools in surface and underground percussive drilling applications."

Company engineers have developed XT, a new thread design for the Vector Rod System. This follows intense R&D and monitored field tests in various ground conditions.

Now being launched into the market, the new XT design incorporates

"revolutionary new guided cylindrical contact zones between the male and female thread joints."

These guided surface features are located in the nose and rear of the thread connections and are said to serve various benefits and improvements over traditional threads.

The XT thread profile is based on the traditional trapezoidal T thread design and is compatible with industry standard thread types such as T38, T45, and T51.

According to Rockmore International, in order to achieve the full engineered benefits of the XT thread the drill string must be considered as a system of connections between the shank adapter, rods, and the bit in extension drilling applications. Thus, the XT thread design employed in the Vector Rod System enables many performance and reliability benefits leading to major overall cost savings in the drilling cycle.

[www.rockmore-intl.com](http://www.rockmore-intl.com)

# Powerscreen's global launch of Warrior 1400XE

Powerscreen is launching globally its new electrically driven Warrior 1400XE mobile heavy-duty screen.

Oliver Donnelly, the Northern Ireland-headquartered crushing and screening giant's product manager, said the Warrior 1400XE showed the company's response to customer demand, alongside its commitment to embracing a more environmentally aware approach to innovation.

"This latest development utilises a combination of highly efficient electrical components and clever design to deliver the lowest possible cost for every tonne of material

processed through the machine," he continued. "While we are excited about the low running costs, we are proud to have produced a machine where customers will also quickly

see dramatic savings in the costs associated with maintenance and servicing. Versatility has definitely not been compromised."

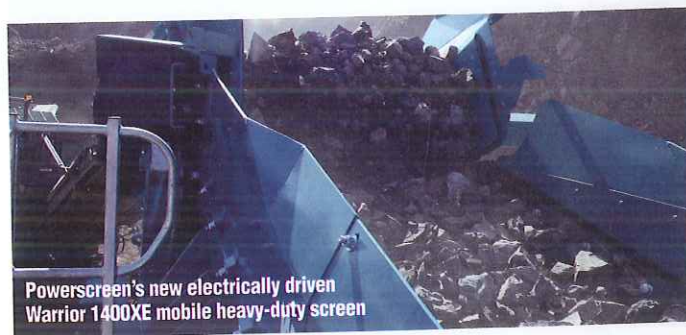
The Warrior 1400XE has been

designed to meet the needs of customers for whom electricity is a preferred power source and opens up the possibility to run the machine indoors.

It can be powered by electricity generated by other Powerscreen models (such as the Premiertrak 600 jaw crusher).

The Warrior 1400XE builds on the success of the standard Warrior 1400X model with its single shaft, high amplitude 3.6m x 1.25m screenbox and the chassis riser option giving excellent stockpiling capacity.

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



Powerscreen's new electrically driven Warrior 1400XE mobile heavy-duty screen