

Hydraulic drive pump helps keep dust at bay

Australia's dry desert conditions mean dust suppression is a continuous challenge on many minesites.

Australian Pump Industries has developed a range of hydraulic drive, self-priming centrifugal pumps specifically for dealing with dust.

"We found one of the main challenges was trying to provide pumps which settle dust without overwatering," said Aussie Pumps product manager Brad Farrugia.

"We developed pumps specifically for tanker applications," he said. "This led to a combination of high pressure and high flow that enables water to be atomised - to get the maximum effectiveness out of every litre."

Available in either cast iron or cast 316 stainless steel, the hydraulic drive tanker pumps are employed by the Royal Australian Army Engineers Corp and are used on minesites around the country.

Almost all Aussie GMP pumps come with large diameter open impellers, capable of passing solids in suspension, and are available with a wide range of seals and 316 stainless options.

Information: www.aussiepumps.com.au.

ADVERTISING

Weigh up the plus points of mobility

Accurate weighing and measurement is essential for improving quarry productivity - but quality measurement hasn't always been readily available for mobile conveyors, according to Soeren Schramm, product manager for Loadrite.

"Traditionally, belt scales have only been used on fixed, not portable plant equipment, because the shorter length of conveyor belts on portable plants has not been sufficient for accurate results.

"But being able to accurately weigh materials crossing the conveyors on a mobile crusher, screen or stacker is really important if operators want to get the best results from their business," Mr Schramm said.

Loadrite's C-Weigh for mobile equipment is more than a traditional belt scale used in a portable application - it has been developed specifically for the portable equipment environment, with rugged components, flexible frames, easy modular installation and a repeatable accuracy rare in the industry.

With a C-Weigh belt scale on their mobile equipment, customers can access reliable



Versatile weighing: The C-Weigh belt scale on equipment means that customers are able to obtain an overview of the efficiency of their crushing and screening processes without the need for major structural modifications.

data on their tonnage crushed per hour, day, week or month, and an overview of the efficiency of their crushing and screening processes.

"The scale frame is very well suited for retrofitting and doesn't require major structural modifications, and it is tolerant to shock, vibration and extreme temperatures," said Mr Schramm.

The design ensures C-Weigh

is very cost effective and unobtrusive so retrofitting is very achievable."

A range of reporting options is available to suit the needs and experience of the user. "It starts with the simple digital display that shows tonnes per hours and total tonnes," Schramm said.

"It is also possible to print out the report using a printer specially designed for the system,

or reports can be emailed directly to the user's inbox.

Connection to Loadrite's MMS allows for basic inventory and stockpile reports or the system can be integrated with third party software."

For advanced reporting requirements, the C-Weigh can be coupled with Loadrite's INSIGHT software, a revolutionary new web-based system that offers the reporting power of very expensive PLC/SCADA systems at a fraction of the cost.

C-Weigh uses the same robust, easy-to-learn user interface as Loadrite's wheel loader scales, works with a range of wireless data communications options including Wi-Fi, radio modems or cellular modems and is able to fit most crushers, screens and stackers.

The mobile scale has been installed all around the world, from Australian mines to quarries in Qatar, France, the USA and Canada and offers unparalleled support with more than thirty years of experience backed by Loadrite's global distributor network.

Compact, loud & clear



Smart Choice

The **IC-F50/F60** series is built tough, ultra-compact and available with intrinsically safe certification - perfect for mining applications.

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