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CDR SPRAY HEAD

SPECIALISED SUPPORT EQUIPMENT



CONSTANT DEPOSITION RATE (mL/m²)

The ETT CDR (Constant Deposition Rate) Spray Head is designed to distribute water to a road surface in a controlled manner, maintaining a spray pattern with minimal variation in width and deposition rate. Parameters such as pump speed, pressure and ground speed are taken into account to achieve consistent spray coverage, regardless of the truck travel speed.

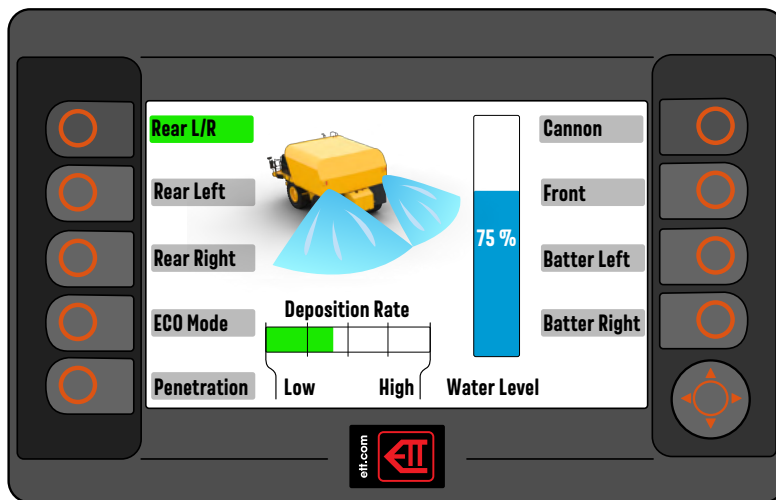
The spray system ensures that the correct droplet size is achieved across the entire flow range. Conventional spray systems cannot achieve this and regularly emit either droplets too big that create pools, or droplets too small that are more susceptible to wind.

CONSTRUCTION

Manufactured from machined stainless steel and bronze components and designed to operate reliably in harsh mining environments. All materials are corrosion resistant and require minimal maintenance.



CONTROL & UI



REAR L/R

Activates both left and right rear spray heads. This is the most common setting for large haul roads where maximum spray width is required.

REAR LEFT

Toggles rear left CDR Spray Head only. The spray can quickly be switched off for oncoming traffic.

REAR RIGHT

Toggles rear right CDR Spray Head only. The spray can quickly be switched off for oncoming traffic.

ECO MODE

Activates rear centre spray head only. With reduced water flow and a narrower spray width, ECO Mode is ideal for secondary mine roads.

PENETRATION

Activates the low ground level penetration spray bar.

CANNON

Activates the remote control water cannon which can also be switched on using the activation button on the cannon joystick controller.

FRONT

Activates front spray system.

BATTER LEFT

Activates left side batter spray.

BATTER RIGHT

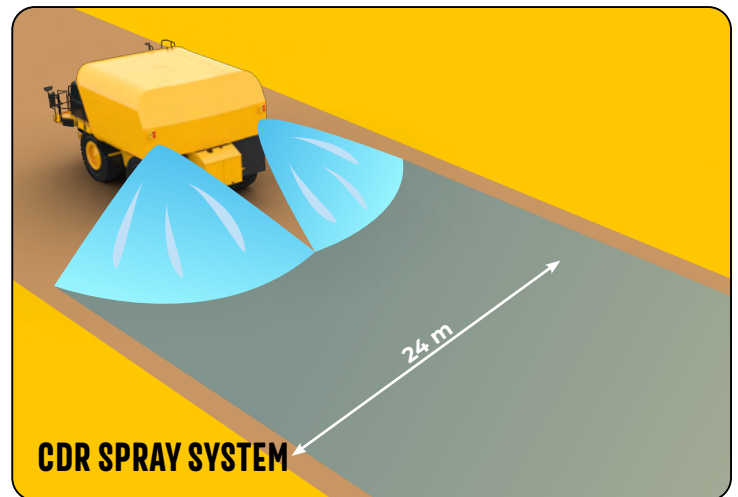
Activates right side batter spray.



TECHNOLOGY

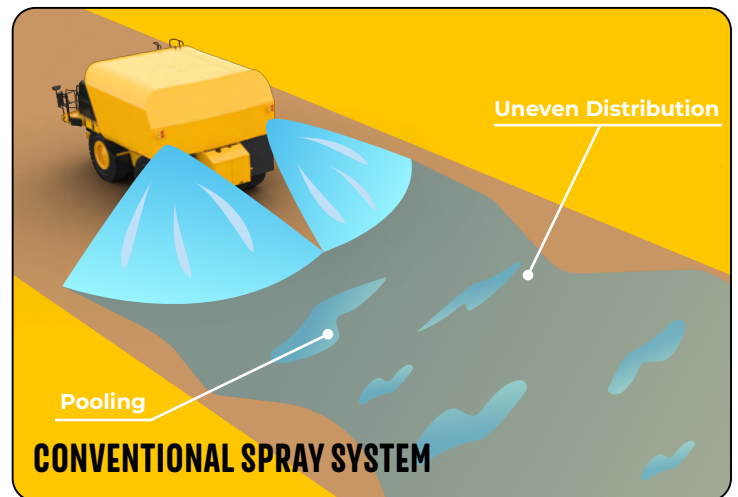
EVEN GRADIENT WATERING

Traditional spray systems are prone to spraying excessive water on sloping gradients, thereby increasing the risk of large mining vehicles sliding. By comparison, the CDR Spray Head ensures an optimal amount of water is sprayed onto the ramp, which ensures no water pooling or uneven distribution of water.



CONVENTIONAL ON/OFF SPRAY SYSTEM

Conventional spray systems provide little-to-no control of precise water deposition. With the hydraulically driven pump dependent on engine rpm, the pump flow rate provides an inconsistent spray; and conventional nozzles offer no automatic orifice adjustment. Therefore, the spray width cannot be kept constant.



AUTOMATED CONSTANT SPRAY CONTROL

The CDR Spray Head applies an even spray of water across the targeted area. With automated constant spray control, water distribution remains even with zero pooling and significantly reduced road damage, regardless of the truck engine speed or road speed.





◀◀ INTERMITTENT SPRAY

Haul truck performance and safety on steep gradients are paramount in any open cast mining operation.

The ETT Intermittent Spray function ensures safe ascent and descent for heavy vehicles by minimising potential wet road slipping segments thereby creating strategic dry road intervals.

25+

years' service
in the harshest
environments



ETT maintains a complete inventory of repair and maintenance parts for all of our products to include accessory kits and service parts packages. Our professionally trained team of engineers and support staff are focused on ensuring your asset's optimal performance and ultimately your satisfaction with ETT products.

Under our policy of continuous improvement, we reserve the right to change technical data and design without prior notice. Photographs featured in this brochure may include optional equipment.

◀◀ CONTACT US

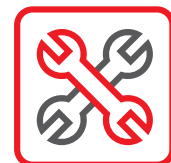
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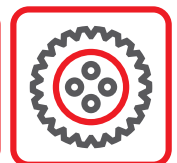
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