

PIONEERING INNOVATION

FOR OVER 50 YEARS



For over half a century, Magnum Australia has been a trusted leader in supplying world-class solutions to the Australian mining and heavy industries. Its Australian-engineered innovations have set global benchmarks in fluid delivery, dust suppression, fire control, and heavy equipment washdown solutions—powering industries with reliability and performance.

As the industry evolves, so does Magnum. Artificial intelligence and automation are now embedded in the company's core product development, driving smarter, more efficient solutions for its customers.

Magnum Australia is making bold strides towards a sustainable future with off-grid green energy manufacturing, reducing our environmental footprint while exponentially expanding our production capabilities.

The addition of a state-of-the-art foundry—complementing our advanced CNC machining facilities—reinforces its commitment to precision engineering and next-level production efficiency.

"Initially focused on the Australian mining and quarry industries, we have

expanded our reach to the petrochemical, agricultural, firefighting, and vehicle wash-down industries, with customers on five continents," said Magnum General Manager, Guy Moorhouse.

"We pride ourselves on quality and believe that investing in the right materials, equipment, and skilled personnel pays dividends in the long run. Our products are manufactured and assembled in Australia."

Innovation Meets Excellence

Magnum leverages cutting-edge industrial innovation through solutions like its Ground Speed System, and its world best Thermal Camera AI Fire Protection Solution.

Ground Speed System – Utilising the speed of the Water Cart to automatically modulate the flow of water through the valves of the truck. This keeps the same coverage of water on the road, whether the truck is travelling at 40km/h or 5km/h – without any input required from the operator!

This system ensures that dust suppression is achieved without accidentally over-watering, while maximising the coverage

achieved with each load of water as waste is reduced to basically zero.

Magnum's new Around-the-Clock Intelligent Fire Protection Solution, Powered by AI

Our advanced system delivers 24/7 asset monitoring through high-precision thermal imaging technology. Every second, real-time data is captured and analysed by a powerful onboard processor, enabling instant detection of rising heat signatures and potential fire threats.

When a thermal anomaly is identified, the system seamlessly transitions into action. The on-site water cannon is automatically aligned, standing ready to respond. Before a flame can ignite, AI-driven targeting activates the cannon, suppressing the hotspot with precision and speed.

This rapid-response capability neutralises fire risks before they escalate—protecting lives, preserving assets, minimising production downtime, and preventing environmental damage or negative industry perception.

For full operational control, the system also includes a manual override, allowing emergency response teams and fire pro-

fessionals to take command when needed.

Magnum's continued business growth goes beyond manufacturing. New Modernised ERP systems, enhanced CAD engineering, and a renewed emphasis on expertise have optimised production capabilities, ensuring superior quality control and streamlined distribution.

"But we're not stopping there," said Magnum Managing Director, Mr. Sean Haviland.

"More new patented products set for release 2025, are poised to redefine industry standards, delivering cutting-edge solutions that lead the way into the future."

With a relentless drive for innovation, Magnum Australia continues to help shape the industry—engineering the next generation of performance, safety, and sustainability.

The future has arrived — and Magnum Australia is leading the way. **AMR**



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Always innovating...

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