



KADOR ENGINEERING

About Us

Kador Engineering is a privately owned, Australian manufacturer of quality engineered products, proudly supplying Australia's miners, original equipment manufacturers, contract miners and all facets of the resource and energy industry since 1972.

Kador Engineering is a leading manufacturer of heavy-duty water tankers, heavy duty service vehicles, bottom belly dumpers, dump truck bodies, buckets, coal and mineral processing equipment and ancillary products used in the mining industry. Our water tankers and service vehicles are being manufactured under licence in Africa.

Kador's commitment to safety, environmental management and quality is well established, and our management systems are accredited to the relevant international ISO standards in all three areas.



Our main market is Australia, but we have also supplied our products to Asia and the Pacific region.

Our Product Range includes:

- **Fuel & Service Trucks**

Kador designs and manufactures fully fitted out service vehicles, with large and small units currently operating in many mines throughout Queensland. Service vehicles typically carry a range of fuel, lubricants, hydraulic oils and coolant, for servicing mobile mining equipment and can be provided in a range of configurations for heavy duty on-road trucks or large mine trucks.



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Phone: 07 3271 1144
Email: sales@kador.com.au
Web: www.kador.com.au



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• Water Spray Trucks

Kador designed water spray rigs, in sizes from 45KL – 200KL, are available to fit a range of OEM trucks, or as trailer versions to tow behind a tractor.

Experience gained over many years provides a tank which can fill fast, has high corrosion resistance, low COG, and with heavy duty mechanical, hydraulic and electrical components.

Kador truck mounted tanks can be fully raised to assist truck maintenance, and a range of standard options enables users to customize the rig to meet their own specific requirements for lighting, access, water cannons, foam fire systems and many other features.



Kador's water tanks can be fitted with the Enviro-spray™ water control system to optimise water usage on mine roads. Conventional water spray control systems have a fixed (or manually operated step variable) water control system which can result in over-watering of mine haul roads when the water truck is travelling slowly or stopped.



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• Bottom Dump Trailers



Kador has supplied many bottom dump trailers for coal and bauxite haulage. These can be provided to the client's design, or to Kador's own designs. The fleet of seventeen 195T bottom dump bauxite haulers at a client's mine in Weipa was all supplied by Kador.

• Dump Bodies



Kador is a leading provider of dump bodies to the Australian mining industry and can design and build bodies for the largest haul trucks.

We can supply bodies to OEM's standard designs or provide mine specific designs where required. For mine specific designs, Kador can help operators evaluate weight, likely whole of life costs, performance, and other issues, to provide a design that will perform best for the application.

The development of formable and weldable structural steel plate with a surface hardness

comparable with wear plate has enabled the production of bodies with good abrasive wear properties without the need for liner plates. For example, very robust bodies with extra thick floor plates (and no liner plates) have been designed to carry hard, lumpy abrasive material, at a zinc mine, in NW Qld.

The high strength of the plate has also made it possible to reduce the thickness of the floor and wall plates where lightweight materials such as coal or bauxite are being carried.

Additional features, such as tail gates, can be provided if required.

In all cases, finite-element-analysis is used to compute the joint stresses and to develop joint designs and rib configurations which minimise joint stresses.

Kador can also provide 'hungry boards' and 'duck tails' to extend the capacity and spill performance and optimize the axle loading of existing bodies.

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- **Dragline Components**

In recent years Kador has fabricated tri structure, propel sections, boom sections and rear rotating frame sections for new dragline projects.

For upgrade projects on existing draglines, we have made boom sections, ladders and handrails and many other maintenance items.



With mining equipment getting larger (and heavier) there is an increasing requirement for manufacturers to be able to handle larger fabricated components. Our 70T



lifting capacity enables us to handle the largest of shop fabricated dragline components.

- **Pressure Vessels, Pipework and skids for the Oil & Gas and CSM/UCG industries**



Kador's skills at pressure vessel fabrication and pipe spooling make us an ideal candidate for the fabrication of wellhead and other skids for the coal seam gas and underground coal gasification industries.

With our design partners we can convert P&I diagrams to full skid designs and our workshop capacity enables us to deliver large numbers of skids quickly.

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