

XMOR® Rigid Dump Truck Body

FOR BOTTOM LINE BENEFITS

XMOR®



XMOR® is more than a product brand, it's a mindset of productivity. Conventional mining and earthmoving equipment is just that – conventional – with all its limitations in capacity and maintenance needs.

XMOR® Rigid Dump Truck Bodies not only have higher capacity, they are also designed and manufactured to deliver more uptime.

XMOR® Rigid Dump Truck Body

IN THE BUSINESS OF PRODUCTIVITY



50%

Lower weight

The lightweight design of the XMOR® Dump Body can reduce the body's weight by up to 50% compared to a conventional OEM body.

10%

More capacity

The exceptionally low weight of the XMOR® Dump Body can give up to 10% increased loading capacity. The XMOR® Dump Body can also be matched to the mine's loading equipment to provide maximum hauling efficiency.

Minimal maintenance

You can expect minimal operating costs and downtime due to maintenance. There is no requirement for liners or impact plates through normal operational life.

EXCELLENCE BY INNOVATION

XMOR® Rigid Dump Truck Bodies include a number of innovative and patented features, ensuring excellent performance in the toughest mining and earthmoving conditions.

Enhanced service life

Unique floor and sidewall geometry combined with Hardox® 500 Tuf result in much reduced wear and enhanced service life through augmented relative hardness, modified material flow, and reduced contact pressures.

Smarter Design

Each XMOR® Dump Body is optimised and validated using advanced DEM and FEM software. Bodies are analysed for maximum weight reduction and optimal fatigue life. Payloads are verified using conical payload modelling and simulation.

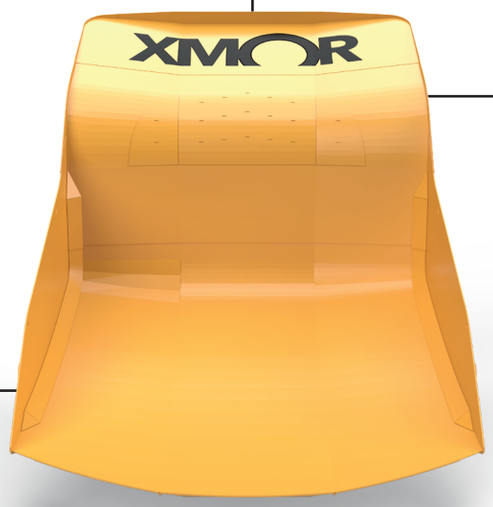


Improved unloading

Tapered body and cone shaped floor ensure consistent load shedding, eliminating choking at the crusher and dozer clean-up at the dump.

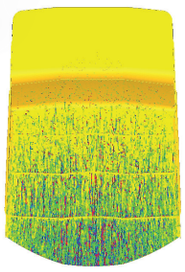
Protective canopy

Spillage is captured with the anti-spill canopy and fed back into dump body, protecting machine and reducing tyre damage and clean-up on the haul road.



Optimum load centering

Patented design allows for materials of different densities to center in the correct location for optimal axle loading and truck stability.

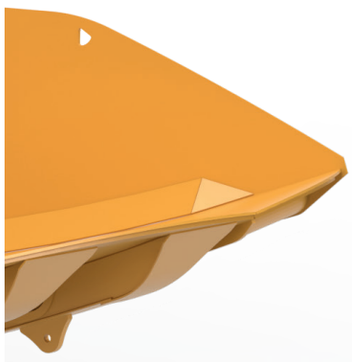


Customizable floor

Unique wear resistant panelled floor manufactured from Hardox® 500 Tuf. Panel thickness customizable dependant on site characteristics and requirements.

Carryback prevented

The XMOR® Dump Body is designed in a way that minimizes carryback. The internal curvature of the body with sharp corners eliminated, as well as the high hardness and yeld strength of the material that reduces denting means that material hang-up initiation sites are eliminated. This ensures that you can utilize the full capacity of the body.



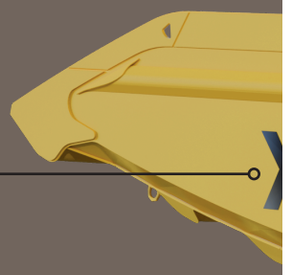
BUILT WITH WORLD-CLASS STEEL

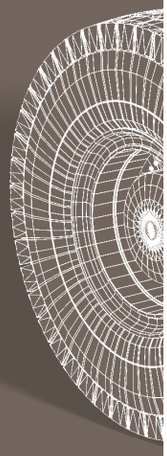
Underpinning the XMOR® design philosophy is the belief that much more can be done with the materials available to us – utilizing the combined properties of strength, toughness, hardness, weldability and formability to make stronger, lighter, more productive solutions.

XMOR® Dump Bodies take full advantage of Hardox® 500 Tuf. With a hardness of 500 HBW, this gives extended service life for the body and reduced maintenance costs. The steel's strength also improves the body's structural integrity and resistance to impact from falling rocks or the loading equipment.

OPTIMIZED SUSTAINABILITY

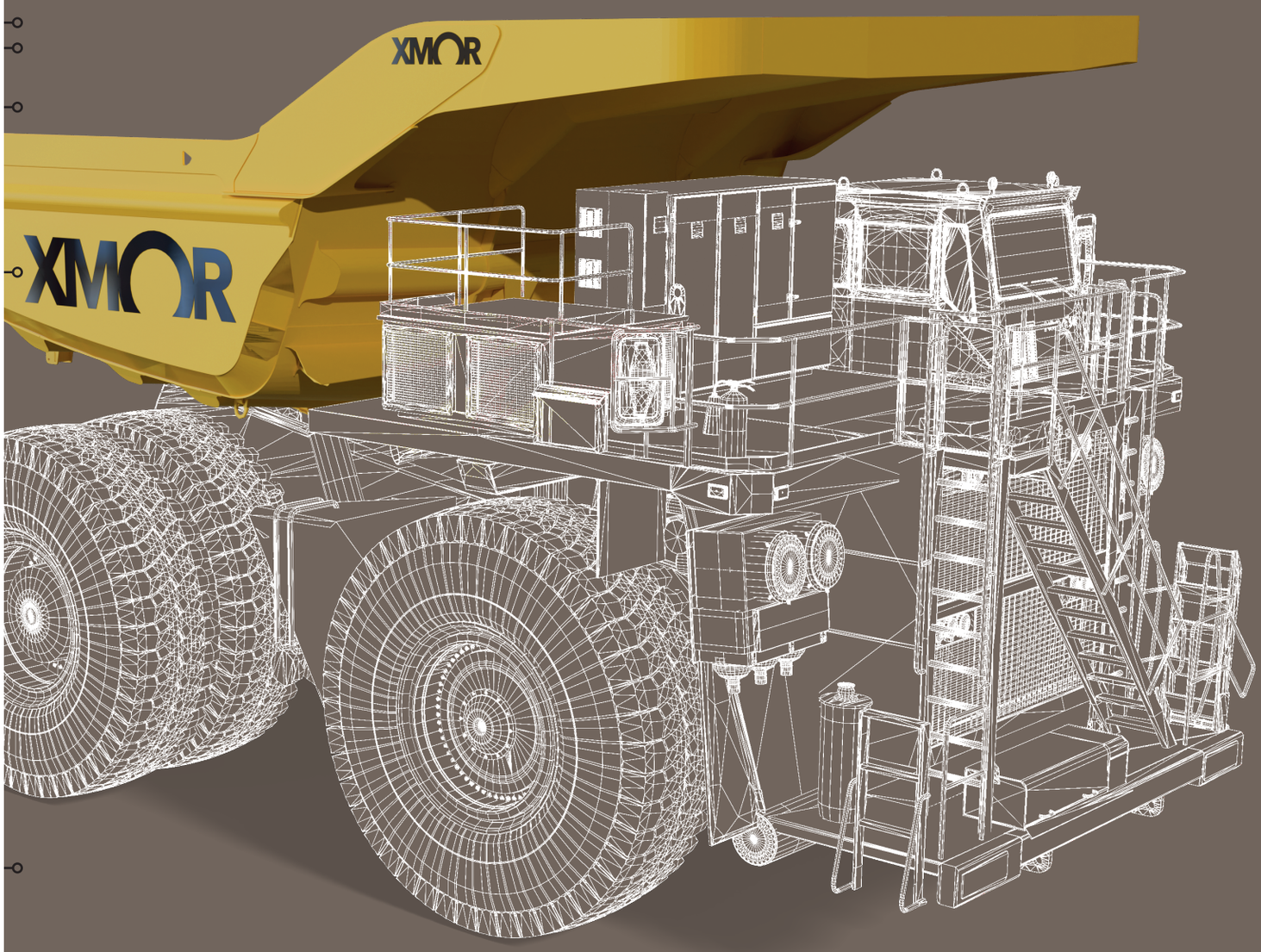
37 TONS	3% less steel produced
121 TONS	10% longer service life
355 TONS	31% lower weight
658 TONS	56% higer capacity





XMOR® products are part of ongoing efforts to reduce the CO_2 output of mining operations and will soon be produced using the world's first fossil-free steel.

Through the use of XMOR® products operators can contribute to significant CO_2 savings. This is achieved through the lower amount of steel required to produce the product, and also through the longer service life (which then requires less steel over time), the lower product weight (which can be translated into fuel savings), and the increased capacity (as we are essentially hauling more tonnes for the same CO_2 output, and thus reducing the CO_2 per tonne). An SSAB EcoUpgraded calculation example based on a Caterpillar 793 with a standard OEM body plus liners vs an XMOR body yields the above results.



CO_2 savings
1 171 tons/lifetime

Fuel reduction
337 800 l/lifetime

CO_2 payback time
2 months

Taking 550 cars off
the road for a year

XMOR



XMOR® products are designed and developed to offer operators improved productivity through the use of innovative design paired with advanced Hardox® wear-resistant steels, resulting in stronger, lighter, larger structures with incresed payload and operational life.

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