



SIMPLE MOVING, BETTER WORK

# REIMAGINING THE HERITAGE OF HEAVY- DUTY DUMPER



Founded in 2022, Newton proudly revitalizes the prestigious legacy of the rigid dumper, drawing from the historic expertise of Perlini and Astra to reinvent heavy-duty transport for a new era.

We represent the pinnacle of Italian engineering excellence, standing firmly alongside our clients to overcome their most demanding daily operational challenges.

As a young and agile organization, Newton has embraced a revolutionary business model specifically designed to excel within an increasingly interconnected and competitive global landscape.

By bridging time-honored reliability with modern industrial efficiency, we offer a vision where tradition and innovation converge to redefine productivity in the Earthmoving and Mining sectors.

# ENGINEERED FOR VERSATILITY

At Newton, we haven't simply modernized the mid-range rigid dumper; we have completely reinvented it as a true multipurpose solution.

Our mission was to overcome the historical limitations of traditional rigid designs, enabling this equipment to tackle unprecedented challenges while amplifying its undisputed dominance in core applications.

By integrating cutting-edge electronics with significant mechanical breakthroughs, we have engineered a machine that offers unmatched versatility and durability.

This isn't just an evolution; it is a mechanical and technological rebirth designed to restore the rigid dumper to its rightful place at the forefront of the industry, ensuring it remains the most efficient and future-proof choice for global material handling.



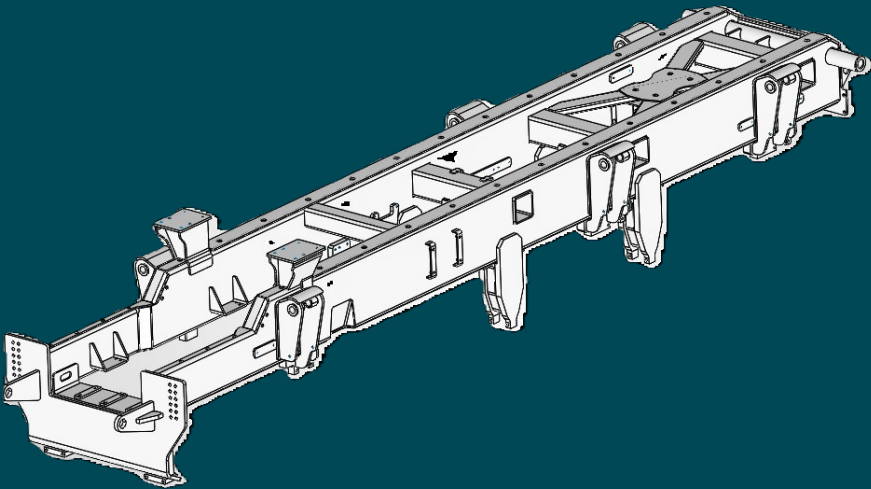
# ULTRA-LIGHTWEIGHT CHASSIS

The heart of our innovation is an ultra-lightweight chassis derived from advanced military engineering and built using high-performance Domex 700 steel.

By utilizing this high-strength, cold-forming structural steel alongside a specialized mechanical design, we have achieved a significant reduction in vehicle tare weight without compromising the extreme durability required for heavy-duty haulage.

This translates into a superior payload-to-weight ratio, allowing operators to maximize material displacement in every single cycle while simultaneously reducing the structural stress on all mechanical components.

This military-bred robustness, combined with the superior yield strength of Domex 700, ensures that the Newton dumper can withstand the most punishing haul roads and corrosive environments, providing a structural lifespan that far exceeds standard industry benchmarks and significantly lowering the total cost of ownership.



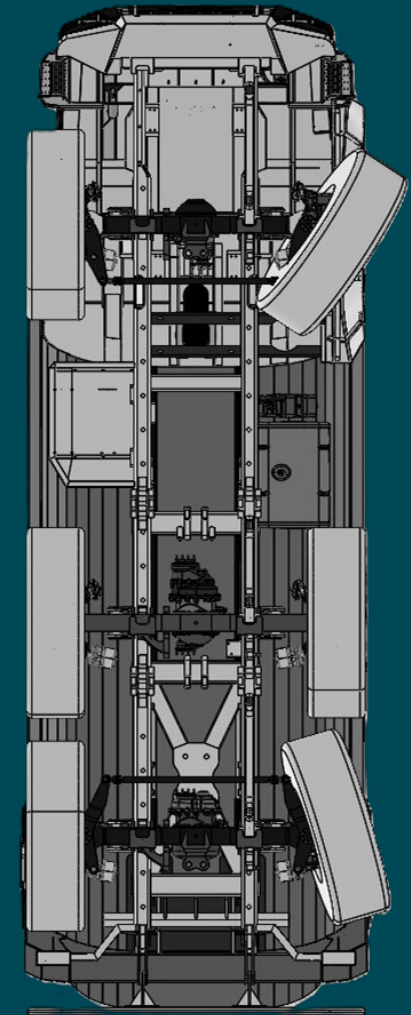


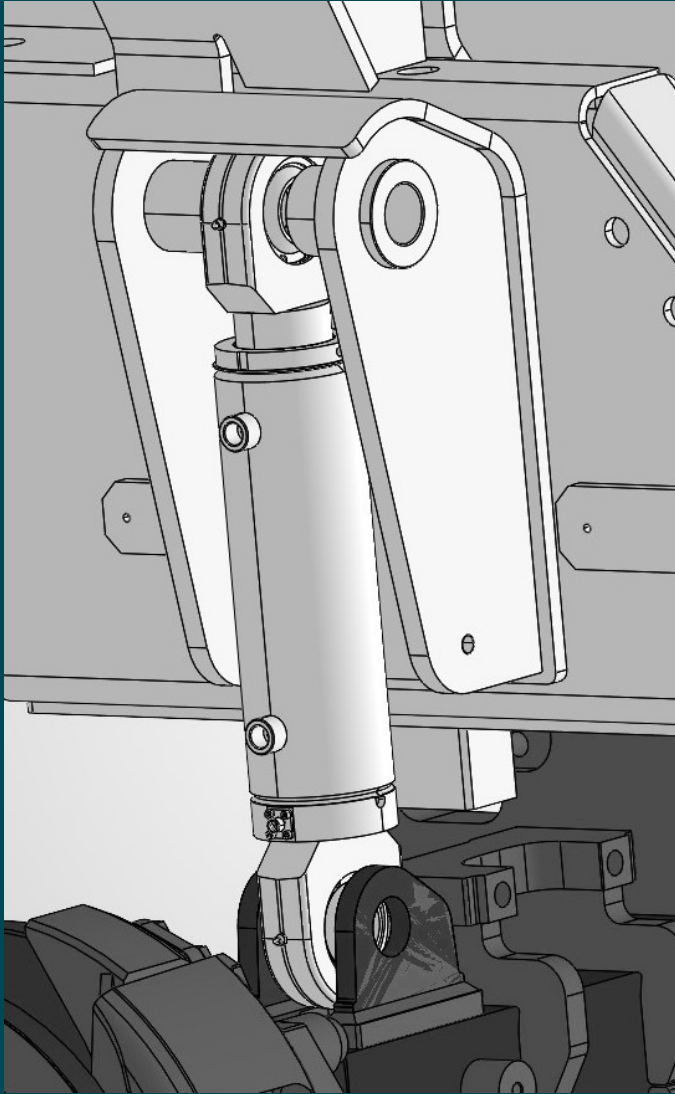
# ACTIVE REAR-STEER AXLE

To redefine maneuverability in confined spaces, we have integrated an active rear-steering axle system that drastically reduces the turning radius compared to traditional rigid dumpers.

This mechanical breakthrough is a game-changer for site logistics, but its true value lies in cost reduction: by optimizing the vehicle's trajectory, we significantly minimize tire scrubbing and lateral wear.

In large-scale operations, where tire replacement represents a major Opex cost, our technology ensures a longer tire lifecycle and improved fuel efficiency during maneuvers.





# INTELLIGENT SUSPENSION ECOSYSTEM

Our proprietary Statera intelligent suspension system is designed to provide total control over the vehicle's dynamics.

Statera constantly monitors load distribution and adapts to uneven terrains in real-time, ensuring maximum driving comfort and, more importantly, active anti-roll safety.

By maintaining a stable center of gravity even in extreme conditions, we prevent tipping risks and enhance operator confidence.

This system doesn't just protect the driver; it protects the asset and the payload, ensuring constant productivity regardless of the ground conditions.

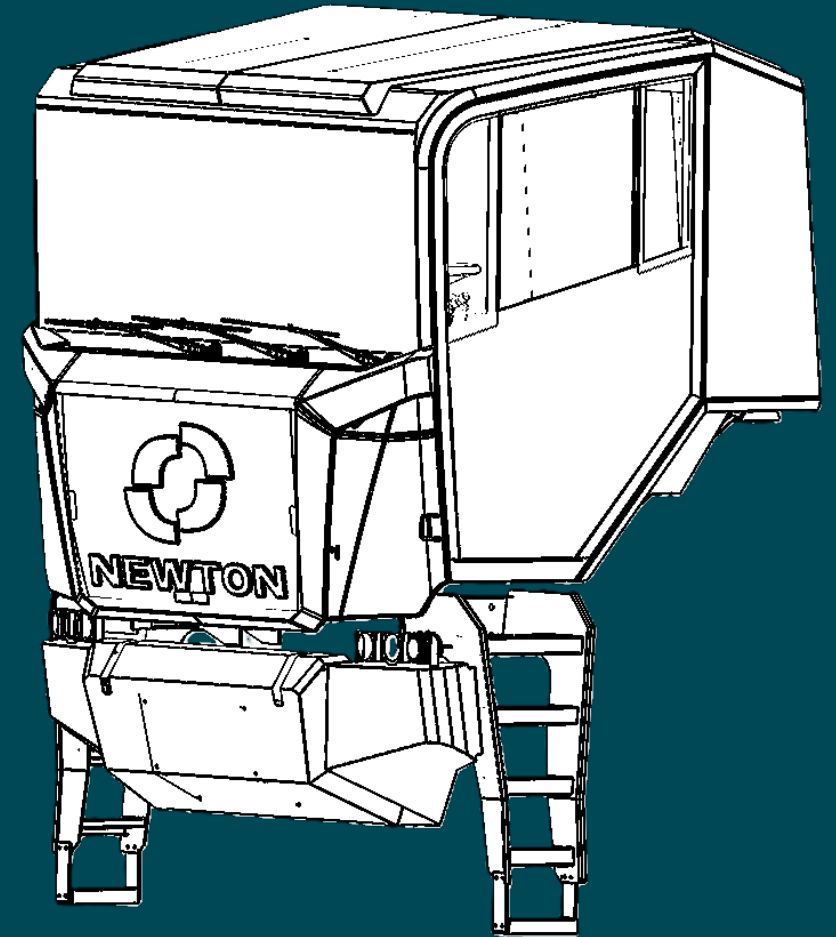
# A NEW COMFORT ERA

We have bridged the gap between heavy machinery and long-haul trucking by incorporating a high-comfort cabin designed for maximum ergonomic efficiency.

This 'truck-standard' environment reduces operator fatigue, which is directly linked to increased safety and productivity.

Furthermore, the vehicle is fully cloud-connected, allowing for total remote monitoring of every vital parameter.

This digital twin approach enables fleet managers to perform predictive maintenance and real-time performance analysis, ensuring that Newton dumpers are always integrated into the modern, data-driven mining ecosystem.





# A FUTURE-PROOF RANGE

Our market entry strategy is led by two high-performance models: the NET400, with a 40-ton payload capacity, and the NET500, offering 50 tons of effective payload.

These units represent our core focus on the mid-range sector, where versatility and efficiency are most in demand.

Our expansion roadmap is already defined, with the upcoming development of the NET300 for compact operations, alongside the NET700 and the NET1000 (70 and 100-ton payloads respectively) to address the needs of larger-scale mining and earthmoving projects.

Looking further ahead, our R&D pipeline includes even higher capacity models, ensuring that Newton evolves into a full-liner partner capable of supporting every stage of the material handling cycle with a tailored, high-tech solution for each specific load requirement.





# A VISION OF LEAN EXCELLENCE

Newton operates on a highly efficient, lean business model where the 'head and heart' of the company are firmly rooted in Padua, Italy.

Our headquarters serves as the strategic hub for R&D, advanced engineering, and global quality control.

However, our industrial philosophy is built on synergy: we seek to establish strategic Joint Ventures with local leaders to bring production and assembly closer to the end market.

We conceive our dumpers as a 'Lego' system - a modular, customizable platform designed for seamless local integration.

This model not only ensures maximum flexibility but also empowers our partners to take full leadership of the sales organization and market strategy.

By combining our technology with your local manufacturing footprint, we transform the traditional supplier-client relationship into a shared industrial enterprise, tailored to the specific demands of the territory.





# SERVICE EXCELLENCE

In heavy-duty operations, downtime is an exorbitant economic loss.

Newton eliminates this risk by using exclusively Tier 1 components (Mercedes-Benz, ZF, Kessler, Danfoss, Wabco), ensuring a global spare parts network and proven reliability.

To guarantee total operational continuity, our machines feature integrated cloud connectivity for remote predictive maintenance, allowing us to anticipate issues before they occur.

This technology, combined with the localized service network provided by our partnerships, ensures lightning-fast support and maximum machine availability.

We don't just sell equipment; we guarantee a productive asset backed by a world-class supply chain and a proactive local presence.





# SYNERGY IN MOTION



Newton's strategy is built on developing a network of Joint Ventures in key global markets.

We are looking for partners with a deep-rooted presence, combining established sales and service networks with strong organizational expertise.

We are ready to invest in full synergy with our partners to create a solid industrial bridge, capitalizing on strategic frameworks like the Italy-Mercosur agreements.

This collaborative model allows us to unlock vital local financing tools, such as BNDES-FINAME, and mitigate import duties.

Together with our Partners, we will transform our modular technology into a dominant local player, ensuring long-term growth and a shared competitive edge.



# INNOVATION WITH SOCIAL IMPACT

Technological excellence and a positive impact on society.

Our registered patents represent this commitment: solutions designed not only to improve productivity, safety and precision, but also reduced consumption, limit vehicle wear and generate a more sustainable work cycle for operators, companies and local communities.

We innovate to create dumpers that are smarter, more efficient and more responsible.



# NEWTON<sup>®</sup>

GET IN TOUCH

+39 049 9318300

HEY@NEWTONTRUCKS.IT

Piazza Aldo Moro, 10  
35129 – Padova  
Italy