

SHUTTLEWAGON

MOBILE RAILCAR MOVERS



NXT

*The next generation
of railcar movers*

shuttlewagon.com



SHUTTLE WAGON



NXT423

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WARNING
DO NOT VIBRATE
OF THE CAR B
FOR BRACK
ED CAR ONLY

Introducing

Commander NXT

The next generation of railcar movers

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THE FUTURE IS NOW

The NXT optimizes the operator experience with its unique, optional, sliding cab design, extending the operator's line-of-sight around railcars for safer and more precise operations.

Within its modern cab, the NXT offers an upgraded user interface and ergonomic joystick controls, enabling operators to adjust the throttle and braking response for improved maneuverability and control.

Powered by the efficient and powerful Cummins Stage 5 engine, the NXT meets the highest EPA emissions standards while reducing service touchpoints for easy maintenance. The new, innovative, ShuttleLaunch feature ensures maximum tractive effort and minimum wheel slip, making railcar mobilization more efficient and tire-friendly.

The NXT's advanced telematics and diagnostics system provides

comprehensive machine feedback and remote troubleshooting, offering unparalleled visibility of machine asset performance.

Designed with a narrower frame and a class-leading 60-degree curve capability, the NXT is perfect for navigating through tight spaces and corridors. It combines enhanced visibility features, such as large windows, a 180-degree rotating operator station, high-definition cameras, and ample LED lighting, ensuring safe operations day and night.

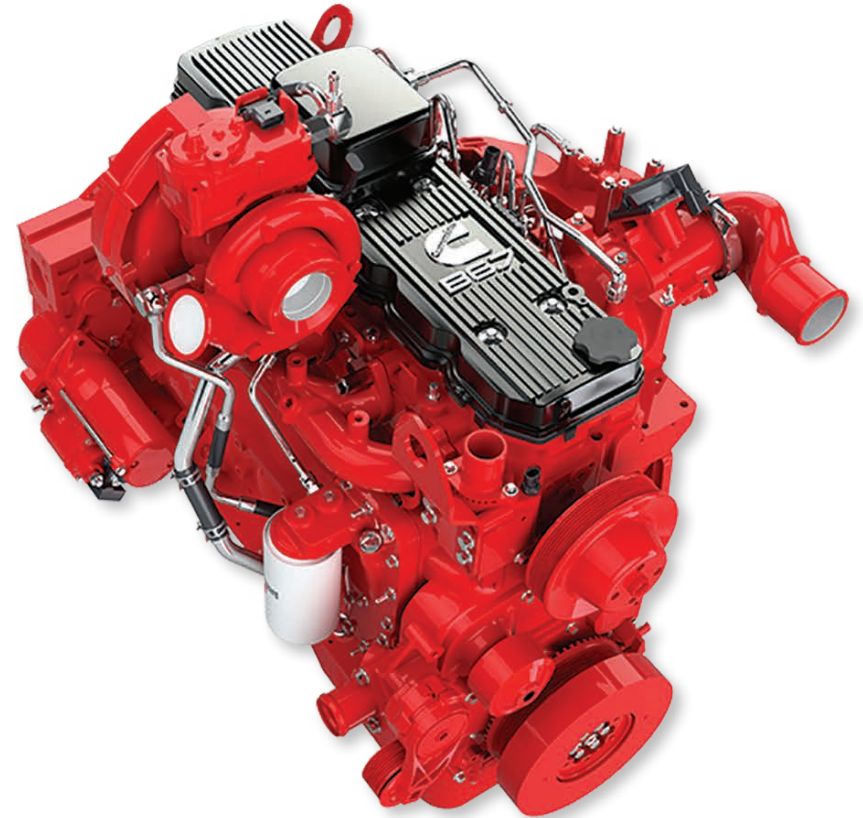
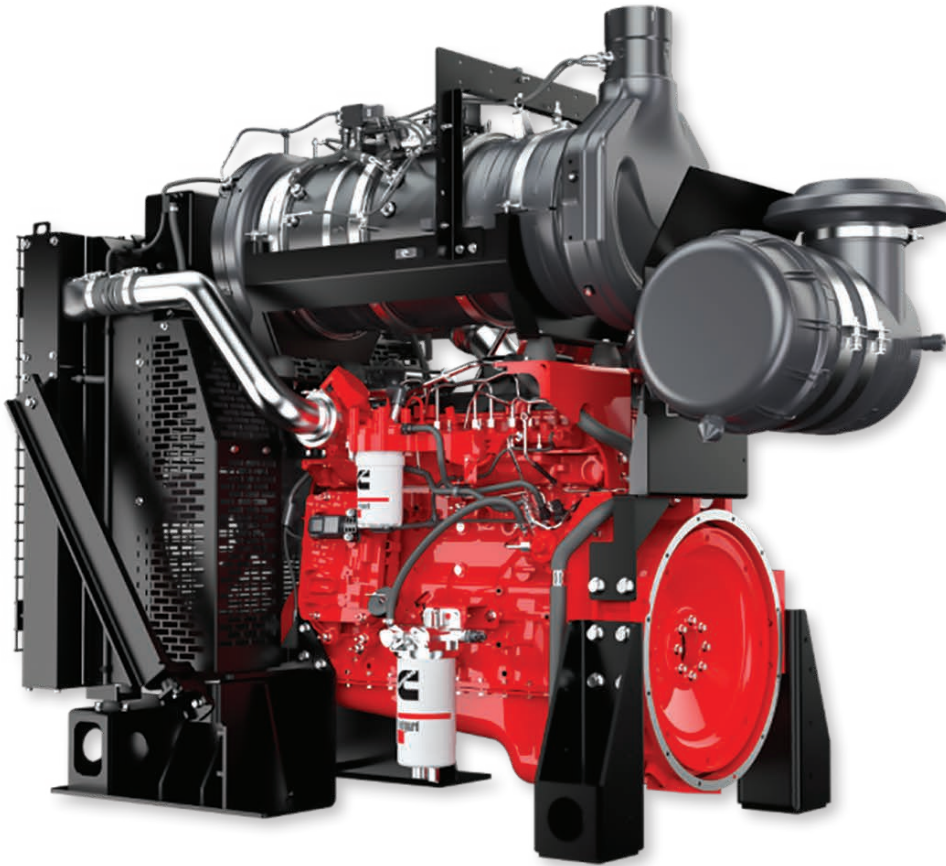
With compartmentalized components, easy-access filter locations, and a remote-mounted transmission, service and maintenance are simplified, decreasing downtime and extending service intervals.

In essence, the NXT marries innovation with precision, efficiency, and operator comfort, setting the stage for the future of rail operations.



NXT

CUMMINS STAGE 5 ENGINE



INNOVATIVE. EFFICIENT. POWERFUL.

Meets the highest EPA emissions standards while reducing service touchpoints for easy maintenance.

NXT SLIDING CAB

A revolutionary leap forward in safety and efficiency, this extraordinary machine is set to redefine industry norms. Envision a railcar mover that arms operators with unparalleled visibility, significantly reducing risks, while boosting productivity. No longer a product of mere imagination, the future is now realized in the NXT.

The NXT boasts a revolutionary design with an optional sliding cab that provides an extended 12-inch line of sight around railcars. This allows operators to navigate more safely and efficiently around the worksite. But that's not all, the NXT gives the operator the ability to position themselves a full 4 inches further than our previous models, like the Commander SWX. This exceptional range is a huge leap forward in operator safety and machine control.

Compared to the SWX, the NXT is narrower with a width of 102 inches, enabling it to easily navigate tight spaces while maintaining a commanding presence on the rails. Despite its slimmed down design, it offers superior performance and convenience without compromising on durability and power.

The NXT is designed with the operator in mind, enhancing visibility, safety, and control to optimize productivity on the tracks. It's not just about doing the job, it's about doing the job right, the first time, every time.

Leap into the future with NXT, the next generation of railcar movers. Enhance your operation, increase safety, and drive productivity to new heights.



*12 inch line of sight
around railcars.*



**ENHANCED
VISIBILITY.
INCREASED
SAFETY.**

***102 inch width for
easy navigation***

***14 LED lights for
enhanced visibility***

NXT INSIDE THE CAB

With the Commander NXT, Shuttlewagon has redefined the operator's experience by incorporating modern design with upgraded user interface and ergonomics. This isn't just a railcar mover; it's a reimagined workspace designed to elevate performance and enhance user comfort.

The NXT's cab is a sanctuary of comfort and control. Every inch of it was designed with the operator's comfort and functionality in mind, starting with the seat and operator controls. Our engineers have outfitted the NXT with a highly comfortable, fully adjustable, air ride enabled seat. With customization in all directions, the seat conforms to the operator's preferences, providing comfort and movement throughout the work day. But the NXT's operator-first design doesn't stop at the seat. The NXT brings full machine control to the operator's fingertips. Whether viewing camera feeds, interacting with display feedback, or controlling the machine, everything is within reach without leaving the comfort of the seat.

With a complete view of all camera screens and unrestricted access to all controls, the NXT ensures that you won't have to swivel or move to manage the on-rail versus on-road characteristics of the railcar mover. This design eliminates the need for unnecessary movements, boosting efficiency and reducing operator fatigue.

The NXT exemplifies elevated comfort, intuitive usability, and accessible controls, delivering a multi-faceted upgrade to the user experience. Every feature of the NXT is meticulously designed to not just simplify the operator's role, but to also make it more efficient and pleasurable.

No more compromises. With the NXT, you can enjoy superior comfort without sacrificing control. The NXT is more than a machine; it's your partner on the rails. Experience the revolution in railcar movers with the NXT. Step into the future of comfort, efficiency, and control today.



*This isn't just a
railcar mover...*

**COMFORT.
CONTROL.
EFFICIENT.**



...it's a reimagined workspace designed to elevate performance and enhance user comfort.

NXT MODERN OPERATION

The Commander NXT introduces next-generation control with its joystick operation system, making the complex task of operating a railcar mover as intuitive as playing a video game. It takes the power of control and places it directly into the hands of the operator, revolutionizing the way moving railcars is performed.

The NXT's steering system brings a heightened level of precision and responsiveness to the operator's control. Unlike traditional control systems, the NXT offers smoother, more intuitive handling, paving the way for improved operational efficiency.

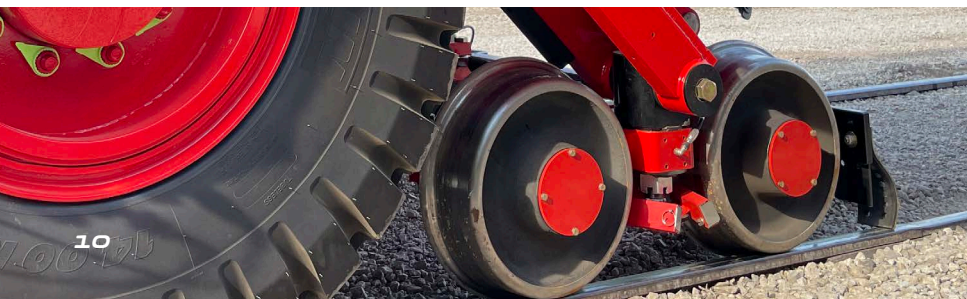
The joystick control isn't just about ergonomics, it's about customization. Operators can now adjust the throttle and braking response of the joystick to their personal preference. Like video game players tuning the responsiveness of their controllers, NXT operators can modify the rate or 'ramp' of response for the machine's throttle

and braking controls. This capability allows operators to fine-tune the NXT's performance to their unique operating style, maximizing efficiency and comfort.

The NXT doesn't just change the game; it changes the rules. It allows you to work smarter, not harder, by adapting to your unique style and needs. The NXT eliminates the one-size-fits-all approach, offering a personalized operating experience like no other.

To complement the superior control, the NXT is fitted with upgraded high-definition cameras, offering unparalleled visibility and safety. The crisp and clear images make it easy for operators to monitor their surroundings and carry out operations with an unmatched level of precision and confidence.

Experience the power of personalization with the NXT. Control has never been this comfortable.



The NXT is more than a machine, it's a paradigm shift in railcar movers.

***WORK SMARTER.
NOT HARDER.***



***It combines comfort, control, and customization
in a way that's never been done before.***

NXT POWERTRAIN

The Commander NXT is powered by the mighty Cummins Stage 5 engine package, which meets the most stringent emissions standards today. Going beyond just power and performance, we've put a strong focus on sustainability. We've made sure that the NXT isn't just a powerhouse on the tracks, but also a responsible choice for the environment.

EPA Stage 5 emissions standards represent the pinnacle of clean diesel technology. By adhering to these standards, the NXT's engine ensures minimal environmental impact, making it the cleanest diesel engine on the market. When you choose NXT, you're not just choosing efficiency and performance, you're also choosing a greener future.

But the NXT's environmental benefits don't come at the expense of performance or convenience. The Cummins Stage 5 engine package

boasts fewer service touchpoints, thanks to the absence of an EGR system and the presence of a single-piece after-treatment in the exhaust system. This thoughtful design simplifies maintenance and troubleshooting, making the NXT as easy to care for as it is efficient to operate.

The NXT isn't just built to perform, it's designed to outperform – while maintaining an unwavering commitment to sustainability. Experience the power and peace of mind that comes with NXT. With unmatched power, innovative controls, modern comfort, and a commitment to the environment, the NXT is setting new standards in railcar mover technology.

Drive into the future with NXT – where power, performance, and sustainability converge.



*The cleanest diesel
engine on the market.*

**POWERFUL.
INNOVATIVE.
ECOFRIENDLY.**

When you choose NXT, you're not just choosing efficiency and performance, you're also choosing a greener future.

NXT PERFORMANCE

The Commander NXT delivers to your facility with its groundbreaking, patented, ShuttleLaunch technology - a system meticulously engineered to optimize tractive effort, minimize wheel slip, and significantly extend tire life. It's not just a feature, it's a revolution in railcar mobilization.

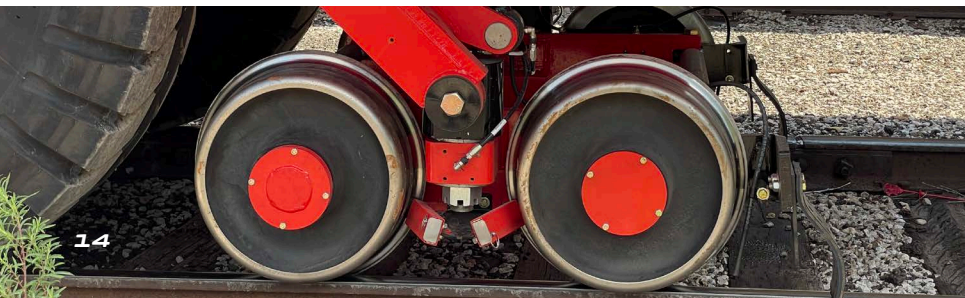
Every NXT machine comes with ShuttleLaunch integrated into its system, a testament to Shuttlewagon's commitment to constant innovation and efficiency. The mechanics of ShuttleLaunch may seem complex, but its benefits are immediately tangible. Upon activation, the ShuttleLaunch system assumes control of the machine to set a consist of railcars in motion. It's here that the NXT truly shines.

By leveraging the advanced machine software, controls, and sensors, the ShuttleLaunch system continually monitors the machine to maximize the application of torque to the wheels. This intelligent control prevents wheel slip and propels the load efficiently, ensuring the most effective, controlled mobilization of railcars.

But the genius of ShuttleLaunch doesn't stop at motion initiation. Once the consist reaches a speed of 1 MPH, control is seamlessly returned to the operator. Should the operator not take over, the system maintains a steady 1 MPH movement. This intelligent feature ensures an effortless transition of control, maintaining safety and efficiency at all times.

ShuttleLaunch isn't just about getting railcars moving; it's about doing so in the most efficient way possible. It maximizes machine performance while reducing tire wear, delivering a level of operational efficiency that's unmatched in the industry.

Experience the future of railcar mobilization with the NXT. Where other systems struggle, the NXT with its ShuttleLaunch technology excels, transforming challenges into effortless operations. Leap into a new era of railcar moving with the NXT - where maximum efficiency meets uncompromised control.



*ShuttleLaunch
Technology.*

Wabtec
CORPORATION

DRAIN DAILY

Automatic/Manual Air Drain Valve

**SAFETY.
CONTROL.
INTELLIGENT.**

**Maximum Efficiency meets
uncompromised control.**

NXT DATA AND DIAGNOSTICS

The Commander NXT, our latest generation of railcar movers, is equipped with enhanced telematics and diagnostics. This advanced feature propels the NXT into a class of its own, enabling seamless tracking, analysis, and communication.

With the NXT, you're not just operating a machine; you're interacting with a highly intelligent system. Our advanced telematics equip the NXT with a multitude of sensors that continuously monitor machine performance, gathering a wealth of data that can be uploaded to the cloud network.

This feature doesn't just facilitate improved visibility of machine asset performance but also simplifies troubleshooting. By storing this valuable information, the telematics system enables remote diagnosis, drastically reducing downtime and enhancing overall operational efficiency.

In the event of a performance issue, the NXT's diagnostics system promptly detects and identifies the problem, offering valuable insights for swift resolution. By providing real-time feedback, it empowers operators and maintenance teams with the information they need to troubleshoot effectively and promptly.

In a world where data is power, the NXT puts this power into your hands. Its advanced telematics and diagnostics system offers a depth of understanding about the machine's performance that was previously unattainable.

With the NXT, troubleshooting becomes a proactive, not reactive, process. Embrace the future of railcar moving, where advanced technology drives performance, efficiency, and reliability. Welcome to the NXT era of data-driven railcar mobilization.



Simplify Troubleshooting.

**ADVANCED
TELEMATICS.**

The future of railcar moving.

NXT MANEUVERABILITY

The Commander NXT is your key to unlocking new opportunities. Boasting a sleek, narrow design at 102" wide, it has been specifically engineered to navigate tighter spaces with ease. This brings with it access to facilities previously inaccessible due to constrained tunnel walls or limited operational areas.

But the NXT doesn't stop at fitting into tighter spaces—it takes maneuverability to a class-leading level. A standout feature is its 60-degree curve capability, a testament to our commitment to unrivaled performance. Combined with an improved turning radius, the NXT effortlessly navigates crossings and gets on and off tracks around facilities with constricted areas.

The compact size of the NXT is paired with a design aimed at enhancing rail stability—a narrower wheelbase, and standard dual 16-inch rail wheels on each corner of the machine. This engineering design allows the NXT to smoothly handle tighter curves due to the machine's shorter wheelbase.

Moreover, the dual 16-inch rail wheels at each corner emulate the stability of an equivalent 40-inch rail wheel. This remarkable stability not only benefits when navigating tight curves but also when maneuvering complex rail infrastructures like switches, frogs, and more.

The NXT is about revolutionizing the meaning of efficiency. Its exceptional maneuverability and enhanced stability transform challenging railcar moves into streamlined operations. With its dynamic design and advanced features, even the most intricate moves become a smooth, seamless experience. The NXT embodies a new paradigm of proficiency, redefining the shunting experience. Navigate the complexities of railcar operations with the class-leading NXT, a machine that overcomes challenges with unprecedented ease.

Experience the perfect synergy of a compact design, and class-leading curve capability with the NXT. Welcome to a new era in railcar moving—where versatility meets control, and performance is redefined.



*60-degree curve
capability*

ENHANCED RAIL STABILITY.



*16-inch rail wheels for
handling tighter curves*

*Easily navigates
tighter spaces.*

NXT VISIBILITY TECHNOLOGY

The Commander NXT is the epitome of innovation that reshapes the way you see railcar operations. At its core, the NXT is designed with the operator in mind, providing unparalleled visibility through a perfect blend of smart design and cutting-edge technology.

The NXT boasts a cab design that emphasizes expansive views. Its large windows offer a panoramic perspective of the operational environment, ensuring operators have a clear line of sight at all times. But that's just the beginning. The NXT's operator station rotates 180 degrees, enabling effortless operation in reverse, reducing the need for awkward and unsafe over-the-shoulder maneuvers, or driving backwards with only a camera to guide you.

In our pursuit of flawless visibility, we've also ensured a minimal height hood top to further unobstructed sightlines. But we didn't stop there. The NXT comes equipped with high-definition cameras. These six strategically positioned cameras ensure full machine visibility, each

one carefully placed to maximize viewing angles.

Visibility is crucial at all times, and that's why we've given careful thought to the NXT's lighting. The machine features 14 high-intensity LED lights, a substantial increase from the previous model's four. This boost in lighting provides improved visibility for night operations, ensuring safety and accuracy around the clock.

With the NXT, visibility is not an option, it's a standard. Every feature, from the rotating operator station to the increased LED lighting, is designed to provide unparalleled visibility, giving operators the confidence to perform tasks efficiently and safely.

Experience a new era of visibility with the NXT, where every detail is designed to keep you, the operator, in clear sight of your operation. Welcome to the future of railcar operations, where every aspect is crystal clear.



*Expansive views for
unparalleled visibility.*



**UNPARALLELED
VISIBILITY.
CUTTING EDGE
TECHNOLOGY.**

***180 degrees rotating
operator station.***

***14 high-intensity
LED lights.***

NXT SERVICEABILITY

The Commander NXT is the paragon of serviceability in the realm of railcar movers. The NXT sets the benchmark in its class, prioritizing ease of maintenance and efficient operations. Our innovative design philosophy breaks down the machine into compartmentalized components. The compartmentalization of the Air box, Hydraulic box, Fuel box, and Electrical/Control box ensures each component is easily accessible to technicians and operators, simplifying the maintenance process.

Complementing this is the strategic placement of filters that promotes quick and easy preventive maintenance updates, reducing machine downtime. The NXT doesn't just function efficiently, it also maintains itself efficiently. This machine is designed to spend more time on the tracks and less time in the shop.

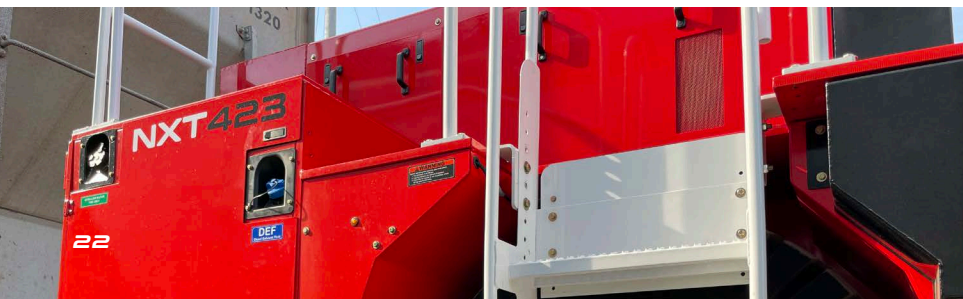
With serviceability at its core, the NXT features a remote-mounted transmission that not only provides ease of access for service but also simplifies removal if required. In designing the NXT, we've considered

every aspect of the machine's maintenance, providing full access around the transmission for unparalleled serviceability.

But we've pushed the boundaries even further. The NXT axles are equipped with wet disc brakes. These wet disc brakes enhance the machine's performance by providing increased braking power and reducing braking distance. Plus, they extend the service interval for machine brakes, increasing operational uptime and reducing maintenance costs.

An emergency electro-hydraulic backup pump ensures additional peace of mind.

The NXT redefines serviceability, providing class-leading maintenance accessibility and enhanced operational efficiency. With the NXT, we've reimagined not just how railcar movers work, but how they're maintained. Embrace the NXT, where every design choice embodies our commitment to serviceability and reliability.



Pushing the boundaries.

***EASY ACCESS.
SIMPLIFIED
MAINTENANCE.***

Redefining serviceability and providing class-leading maintenance accessibility.

NXT SAFETY

When it comes to safety, the Commander NXT sets a new standard in the railcar mover industry. It is meticulously designed to provide the safest operating environment with features focused on enhanced visibility, advanced telematics, robust lighting, and standard AAR couplers.

The NXT provides unparalleled operator visibility through its modern cab design with large windows and a 180-degree rotating operator station, allowing for safe operation in reverse. It also features high-definition cameras specifically positioned to maximize viewing angles, ensuring full machine visibility. The inclusion of 14 LED lights, significantly more than its predecessors, enhances visibility during night operations, minimizing risks and improving safety.

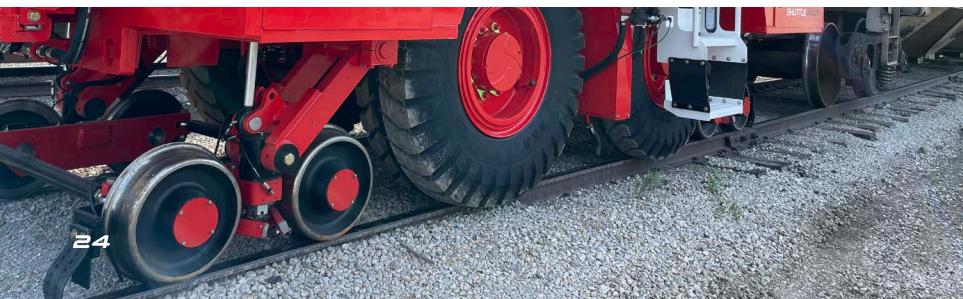
The NXT's advanced telematics system is another testament to its commitment to safety. With more sensors and available data uploaded to the cloud network, it provides comprehensive real-time machine feedback. This allows for immediate remote troubleshooting

and better visibility of machine asset performance, thus averting potential issues before they can pose a safety risk.

Using a standard AAR coupler, like a locomotive, the NXT ensures secure and reliable connections between railcars. It's a feature that not only boosts safety but also showcases the NXT's compatibility with a wide range of rail vehicles.

Furthermore, the NXT stands out with its class-leading red-zone space, offering ample clearance with no pinch points. This thoughtful design feature mitigates the risk of injuries during operations, further enhancing its safety profile.

In summary, the NXT's commitment to safety is unrivaled, blending enhanced visibility, robust telematics, efficient lighting, reliable coupling, and optimized space design to ensure the highest level of safety in the railcar mover industry.



*Enhanced visibility,
both day and night.*



**SETTING A NEW
STANDARD FOR
SAFETY.**

***Advanced
telematics.***

***Robust
lighting.***

***Standard AAR
coupler.***

***No pinch
points.***

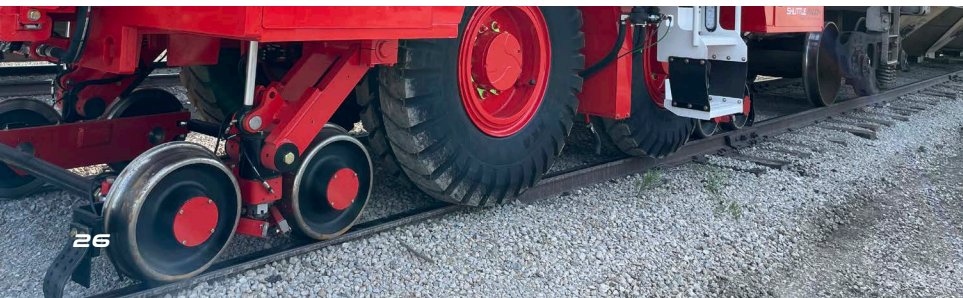
NXT ADDITIONAL FEATURES

Innovative, advanced, intuitive: the Commander NXT is more than just a railcar mover—it's the future of efficient and precise rail operations. Among its pioneering features are the steer-by-wire system and the automatic straightening of rail wheels—elements designed not just to enhance performance, but to transform your rail operation experience.

The steering system in the NXT goes beyond traditional steering methods. This innovative feature enables the NXT to have precise control over the steering angle, ensuring optimal positioning at all times. This level of precision and control translates to improved performance, greater safety, and heightened efficiency in operations. But the NXT doesn't stop at knowing the precise angle of steer. It takes a step further by ensuring that the wheels are in the perfect

position when transitioning onto the rail and commencing rail operations. The NXT is capable of automatically straightening its tires, a vital feature to guarantee the tires are inline with the rail. This precise alignment allows the tires to float with the rail wheels when traversing the rail in rail mode operation, ensuring smooth and efficient movement.

The NXT's unique ability to adjust wheel positioning automatically is a game-changer for rail operations. It's not just about getting the job done, but about getting it done with precision, efficiency, and ease. With the NXT, every feature is meticulously designed to create an unparalleled rail operation experience. Embrace the NXT—where innovation drives precision, and precision drives performance.



*It's more than just a
railcar mover...*

NXT423



**INNOVATIVE.
ADVANCED.
INTUITIVE.**

***...it's the future of efficient and precise
rail operations.***

CONTACT SHUTTLEWAGON AND

**MAKE YOUR
MOVE TODAY!**



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MOBILE RAILCAR MOVERS

