

# TPX Tie Exchanger



## Key Features

- Nordco NEXXUS CANbus Control System
- Tie Plate Handling Capability
- Tie Finalizing Capability (Tie Line)
- Developed from proven platform
- Tie Guide – Automated & Adjustable to assist in tie insertion and prevent ballast between tie and tie plate
- In cab tie plate centering
- 12" touch screen display for machine status, settings and workhead locks
- Dual electrical CANbus Joystick controls
- Advanced work statistics reporting with telematics capability
- Onboard machine diagnostics with fault code reporting and troubleshooting
- Pivoting tie exchanger workhead with 10 degrees forward and reverse and auto centering
- No Pneumatic System
- Spring and hydraulic active suspension
- Spring Retained and Hydraulically Actuated Brakes with Cobra brake shoes
- Single operator, climate controlled, fully enclosed cab
- Dual, pressure-compensated, hydraulic pumps (150 GPM)
- Cummins QSB6.7 Tier IV Final diesel engine (225hp)
- Dual-axle drive with proportional propel and braking

### **Efficient Versatility. Precise Control.**

Adjustable gripper force, and the ability to operate from either side of the track and adjust for rail type and height, provides the versatile performance needed to work faster, with precise control.

## Cost-Per-Tie Reduction

TPX Mode deploys Nordco's advanced automated plate handling system that mechanically secures the plate to the rail during wood tie exchanges, reducing the necessary number of laborers, operators and machines in lineup, and enabling shorter ramp-up and down-times. Additional benefits include fewer ties work in process and increased track window utilization.

## Leading Technology

Nexus CANbus Controls provide increased automation for more precise and efficient performance over the current TRIPPs machine. Advanced on-board diagnostics enable fast troubleshooting so the TPX Tie Exchanger remains productive, with less downtime. Nordco's compliant digital technology platform makes the evolution of software and programs easy to incorporate, for continuous improvements of ease-of-use and automation advancements.

## Enhanced Safety and Ergonomics

Enhanced suspension and braking technology provide superior ride and surety. The TPX Tie Exchanger's productive automation requires fewer ground laborers, mitigating the risk of human exposure.

## Minimal Track Disturbance

The TPX Tie Exchanger's light machine footprint (one machine, one lift) causes minimal track disturbance.

## Stock Fewer Maintenance Parts

Because the TPX uses many of the same components as other Nordco machines, you can stock fewer maintenance parts in your trailers.





### **We Keep You On Track**

Providing assured quality and warranty coverage, Nordco's aftermarket and rental programs keep you operating on track.

## **Ask us about...**

### **Rebuild Programs**

Are your maintenance-of-way machines getting older and less reliable? Nordco can rebuild virtually all maintenance-of-way equipment, regardless of original manufacturer, restoring your machines to like-new status.

### **Component Exchange Programs**

Do you only need a replacement component, such as a workhead or axle, for your maintenance-of-way machine? You can order new or rebuilt components to be delivered directly to your shop or field operations.

### **Trade-In Programs**

Interested in purchasing a new maintenance-of-way machine, but wondering what to do with your existing equipment? In many cases, you can trade in your current equipment for credit towards a new machine.

### **Rental Programs**

Have a short-term need for a particular maintenance-of-way machine? Check our website for a current list of available rental equipment.

### **Parts Availability**

Need parts for your maintenance-of-way machine? Contact our part experts at 1-800-647-1724, Monday through Friday, 7:30 a.m. to 5:00 p.m. US Central Time.

Want to ensure that you order the most essential parts to keep your maintenance-of-way machine operational? Check our website or ask your parts sales representative about the available critical component kits and basic spare part kits for your machine.

Not sure what parts to order for preventive maintenance or winterization? You'll find a large range of kits available — check our website or ask your parts sales representative.

## Product Specifications

Category	Specification	Value
<b>General</b>	Weight	44,500 lbs
	Length	37'-0" (without Bumper Extensions)
	Width	9'-11"
	Working clearance	12'-1" (from center of track with one tie exchanger extended)
	Height	11'-0"
	Wheel base	27'-3"
	Travel speed	21 mph (maximum)
<b>Capacities</b>	Fuel tank	145 gallons
	Hydraulic tank (single)	185 gallons
	DEF tank	10 gallons
<b>Engine</b>	Make/Model	Cummins Tier IV Final - QSB6.7 (225hp)
<b>Hydraulic System</b>	Danfoss S45 pumps (standard)	Oil Gear PVG
	Control valves	Piston pump
<b>Electrical System</b>	Battery	24 Vdc (dual 12V DC batteries)
<b>Axle Drive System</b>	Drive type	Dual-axle, chain-drive, hydraulic
<b>Suspension</b>	Spring & Shock Damper type	Spring suspension with hydraulic stabilization
<b>Brakes</b>	Type/Style	Hydraulically-released and spring applied (fail safe), four-wheel, Cobra-style

## Optional Equipment

Category	Option Type	Description
<b>Cabin</b>	Cabin accessories	Cab window shades, vandal guards (protective screens over cab windows)
<b>Tie Control</b>	Tie-related accessories	Rail lift spotting feature, tie insertion stop device, upgrades to make machine suitable for work in third-rail territory
<b>Repair &amp; Maintenance</b>	Electric hydraulic tank fill system	Allows quick filling of hydraulic tank
	Spare hose tree	Stores extra hoses on the machine
	Remote fuel and oil filter loops	Allows quick filter maintenance
	Case drain return filtration	Filters oil to remove wear-related metal filings
<b>Other Accessories</b>	Lighting and mirrors	Heated outside mirrors, perimeter lighting package
	Storage	Additional book storage box, track tool box
	Miscellaneous	Extra parts/operations/maintenance manuals, rail sweeps, tow bar with D-handle hitch pins



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