

Mark IV - Production/Switch Tamper

Rebuild Program



Key Features

The Mark IV - Production/Switch Tamper includes the following key features:

- Single-operator, climate-controlled, enclosed cab with air bag suspension; includes acrylic windows, windshield wipers, heater, defroster, and interior lighting
- High-strength steel main frame, boxed-beam welded construction
- Ergonomic operator station, including arm panel keypads, joysticks, an IBM-compatible keyboard, and a 15-inch flat panel monitor
- Rebuilt Motorola 6830 computer-based control system with interactive operator interface; Jupiter II IO control system available
- Harsco Rail Delta Leveling system, single infrared projector, non-adjustable fixed shadowboard, infrared receivers mounted on rapid-response actuators, and an inclinometer for accurate cross level
- Harsco Rail System V Lining system; optional surface and liner laser systems available
- Combo clamp lift system - single rail clamp lifts from ball of rail during production work or from base of rail when required in switches
- Cummins 8.3L Tier III turbo-charged and after-cooled diesel engine, 240 HP (179 kW) @ 2200 rpm
- 185 gallon fuel tank
- 185 gallon hydraulic oil tank
- 21 CFM (594 l/m) engine-driven compressor, 100-psi (689.5 kpa) operating pressure
- Trunnion-mounted front axle suspension
- Full-time four-wheel drive with upgradeable on-the-go upshift/downshift capability, two-speed traction motor
- Air-operated, tread-type shoe brakes with Cobra-type shoes on all four wheels
- Spring-applied, air-released, parking/emergency brake for automatic brake actuation in the event of air pressure loss
- 12-month warranty, starting from shipment date



Mark IV - Production/Switch Tamper

Rebuilt to latest factory specifications

Nordco rebuilds your Mark IV Production/Switch Tamper — from the frame up — to the latest factory specifications. This rebuild process maximizes the service life and utilization of your tamper at the fraction of the cost of a new machine.

Nordco will deliver a like-new Mark IV - Production/Switch Tamper that incorporates the latest technology upgrades and carries a full new machine warranty.

Ideal for production and switch tamping

The Mark IV, a squeeze-type tamper, includes four workhead carriages, each containing two hydraulic vibrator tamping units, which in turn each have two abrasion-resistant tamping tools attached to the underside of the vibrator mount. These hydraulic vibrators deliver a robust 3000 VPM in tamping power, with a positive displacement of 3/8 inches.

While the workheads are designed to work together simultaneously, operator controls allow you to tamp one rail independently of the other. During the squeeze-in operation, the tamping tools can be positioned closer together, allowing tamping even in tight tie situations.

In addition, traversing workheads are able to tamp an entire switch area.

Advanced System V control system

The Mark IV incorporates the advanced System V control system, with operator-controlled automatic ramping, superelevation, reference zeroing, and continuous cross-level monitoring. The current position of the track, the corrected alignment, the anticipated track “throws”, and the time, data, and track position are easily plotted by the system.



Optional Equipment

Category	Option Type	Description
Cab	Cab accessories	Hydraulic-driven air conditioning system
System Upgrades	Software	Jupiter II IO control system upgrade
		LineLite or Laser Alignment systems

Product Specifications

Category	Specification	Value
General	Weight	60,500 lbs
	Length	39' 9" - base machine; 49' 6" - with projector buggy stored; 110' - working length
	Width	10' 6" - in travel mode; 13' 3" - in working mode
	Height	10' 6" - shipping height (top of shadowboard); 12' 5" - travel height
	Wheel base	28' 6"
	Maximum speed	30 miles per hour
Capacities	Fuel tank	185 gallons
	Hydraulic tank	185 gallons
Engine	Make/Model	Cummins QSC 8.3L turbo-charged diesel, 240 HP @2200 rpm
Drive Train	Type	Two-speed gearbox driven by a proportionally controlled variable displacement drive motor - provides four-wheel drive with automatic speed control
Brakes	Type	Air-operated tread-type shoe brakes with Cobra-type shoes on all four wheels
Hydraulic System	Type	Variable displacement piston pumps with proportionally controlled variable pressure control, fixed displacement gear pumps, 24 VDC valves

www.nordco.com

;) fVd Sf[a` S'6[efqTgfdZ3_ VdUS` 7cg[b_ Wf5a_ bS` k
 &)' ' FWZ` a'aYkI Skl Eg[fW\$" *
 4aUS DSfa` †8>AD;63 GE3 %&#/#
 BZa` W' (#Z++) Z\$" *" !8sj , '(#Z++) Z\$##"

