

MARK IV

PRODUCTION / SWITCH TAMPER



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FEATURES

- Jupiter II Control System
- System V Lining System
- Comfortable Control Cab
- Combo Clamp System

Harsco Rail's Mark IV Production/Switch Tamper is durable to deliver extra value with its rugged and proven vibrator assemblies and an easily upgraded control system. The Mark IV is equally effective on wood or concrete ties and uses positive displacement work-head technology. Harsco Rail's tampers are designed to meet customer requirements.

SPECIFICATIONS

Length	Basic Machine with Project Buggy Stored: 15 m (590.6 in.) (Working) 33.5 m (1320 in.)
Width	3.2 m (126 in.) (Working) 4.0 m (157.5 in.)
Height	(Travel) 3.8 m (12.44 ft.)
Wheelbase	8.7 m (342 in.)
Weight	Standard: approximately 29,483 kg (60,000 lbs.)
Max Travel Speed	48.3 km/h (30 mph)
Combo Clamp System	Single rail clamp lifts from the ball of rail during production work or from the base of rail where required in switches
Main Frame	High strength steel, boxed beam, welded construction
Wheels & Axles	28 in. (711 mm) diameter single-wear solid steel wheels mounted on heavy duty solid railroad type axles
Suspension	Trunnion-mounted front axle and rear axle elastomeric suspension
Drive Train	Each axle is fitted with a two speed gearbox directly driven by a variable displacement drive motor providing full time four-wheel drive with automatic speed control. The low gear is used in work mode and the high gear is used in travel mode. The variable displacement motors provide high torque for starting on grades and seamless transition through travel speeds up to 30 mph (48 kph).
Engine	Cummins QSB tier 4 6.7 liter, 6 cylinder liquid cooled, turbocharged and charge air cooled diesel, 250BHP (186kW) @ 2200 RPM
Hydraulic System	Variable displacement piston pumps, fixed displacement gear pumps, 24 VDC solenoid operated valves
Air Systems	The engine mounted air compressor can produce up to 28 SCFM depending on speed and turbo boost pressure. The nominal operating pressure is 100 psi.
Electrical System	24-VDC system with 175-A alternator
Controls	All working functions are under control of the Jupiter II Control System with interactive operator interface
Tamping Units	Four heavy-duty vibrators drive 16 abrasion-resistant tamping tools. Transversing work-heads tamp the majority of the switch area
Leveling System	Improved Harsco Rail's Delta System, single infrared projector, nonadjustable shadow-board, Double Barrel infrared receivers mounted on rapid response actuators, and an inclinometer for accurate cross level

Learn more at harscorail.com



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Harsco Rail, Harsco Corporation
Facility Locations:

Harsco Rail Global Headquarters
3440 Toringdon Way
Suite 100, Building 3
Charlotte, NC 28277, USA
+1 980 960-2624
railinfo@harsco.com

Harsco Rail Manufacturing Operations
2401 Edmund Road, Box 20
West Columbia, SC 29171-0020, USA
+1 803 822-9160
railinfo@harsco.com

Harsco Rail Engineering Center
306 West 4th Street
Fairmont, MN 56031-1837, USA
+1 507 235-7376
railinfo@harsco.com

Harsco Rail Manufacturing Operations
200 South Jackson Road
Ludington, MI 49431, USA
+1 231 843-3431
railinfo@harsco.com

Protran Technology
1960 Old Cuthbert Road, Suite 100
Cherry Hill, NJ 08034, USA
+1 856 779-7795
info@protrantechology.com

Harsco Rail Pty Ltd Australia
4 Strathwyn Street, P.O. Box 5287
Brendale, Queensland 4500, Australia
+61 7 3205 6500

Harsco Rail Ltd United Kingdom
Unit 1, Chevton Street, Eastwood
Nottingham NG16 3HB, United Kingdom
+44 (0) 1773 539480
uksales@harsco.com

Harsco Rail Ltda Brazil
Av. Marechal Câmara, 160 / 1615, Centro
Rio de Janeiro RJ 20020-080, Brazil
+55 21 2510-5164 / -5151

Harsco Rail Europe GmbH
Luetticher Str. 130
40547 Duesseldorf, Germany
+49 (0) 211 60116 0
info.emea@harsco.com

Harsco Rail China
Room C1201 Tower 2,
No.36 BeiSanHuan Dong Lu,
DongCheng District,
Beijing 100013, P.R. China
+87 10-6590-6399

Harsco Track Machines and Services
Private Limited India
2nd Floor, Building Alpha,
Bengal Intelligent Park Block EP & GP,
Sector V, Salt Lake, Kolkata
700091 West Bengal, India
+91 33 2357 5651

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