

# TX16

PRODUCTION / SWITCH TAMPER



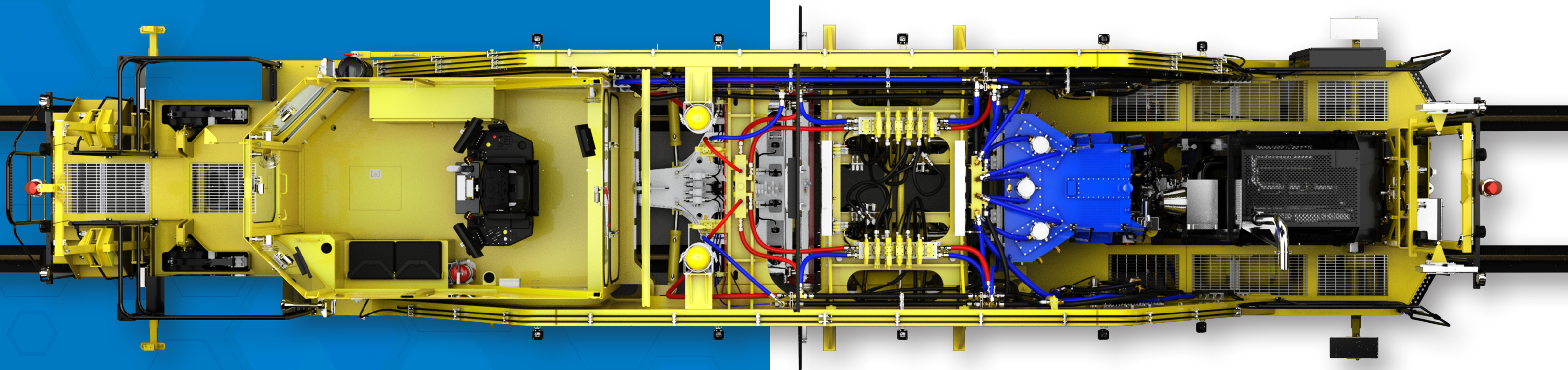
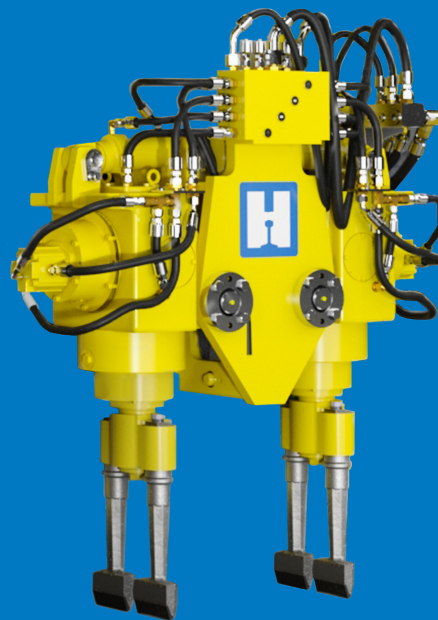


# TX16

## PRODUCTION / SWITCH TAMPER

Increased productivity from start-up to shut down – TX16 speeds up every aspect of the work day, safely. Cab deployable/stowable reference, integrated high-speed measurement, automated tamping, and hybrid index, combine to significantly increase overall productivity.

The TX16 leverages Harsco Rail's multi-generational product, technology, and service experience – safely delivering high production and accurate track correction within a reliable and versatile tamper.



## FEATURES

### Hybrid Index

A blend of traditional index and continuous action.

### Automated Tamping Cycle

Demonstrated, tie-finding technology: minimal operator input on plainline track.

### Half Split Tamping Heads

Four independent tamping units on two traversing frames – switch tamping flexibility without the complexity.

### Callisto Pro Tamp

Single point, non-contact measurement; record at speeds up to 30 mph.

### Roller Rail Clamp

Continuous rail contact for immediate track lifting.

### Jupiter Control System

Experience across the Harsco Rail fleet: rugged and scalable, comprehensive diagnostics and a simplified electrical system.

### Forward Mounted Cab

Best in class visibility; a clean view of the lifting hooks, tamping units, and track.

### Cab Deployable Reference

All reference points can deploy and store without exiting the cab.

### Offset Control

Tamping units can be offset for skewed ties, in curves, and in the turnout.

## OPTIONAL FEATURES

### Drone Package

Allow TX16 to act as the lead machine to a drone (unmanned) chase tamper.

### Absolute Geometry Package

Import, process, and work track measurements from absolute geometry methods.

### Infra-red Light Lining System

A light-based alternative to the standard wire based lining system.

### On Deck Storage Boxes

An additional 25 cubic feet of lockable, weatherproof storage.

### Hydraulic Top-up Pump

Pump, plumbing, and controller to provide convenient hydraulic reservoir filling.

### Perimeter Lighting

LED lighting to improve nighttime visibility of the machine perimeter.

### External Emergency Stops

Emergency stops at all four corners of the machine.

### Laser Liner Package

Laser based track alignment referencing a known alignment up to 1/2 mile ahead.

### Diesel Fired Cab Heater

A 10,000 BTU/hr auxiliary cab heater for cold weather operation.

### Hydraulic Fluid and Engine Heater

A cold-weather auxiliary heater, getting the hydraulic fluid and engine to temperature quickly.

### Additional High Pressure Filters

Adds a high pressure hydraulic filter for every pump.

### Compass Package

Harsco Rail's telematics system monitors the machine's production, location, and key data.

### Tow Bar and Storage Package

For emergency towing.

### Window Blind Package

Retractable blinds for side cab windows.

### In Cab Toolbox Package

A 2500 cubic inch, four drawer, heavy duty tool box beneath the jump seat.

### Fuel Filter with Water Separator

An auxiliary fuel filter with built in water separator and sensor.

### Insulation Bypass Package

For the activation of on track signals and crossings.

### Drive Axle Rail Sweep Package

Adjustable rubber sweeps to clear debris from the rail surface.



# TX16

## PRODUCTION / SWITCH TAMPER



## SPECIFICATIONS

Length	588 inches
Width	126 inches
Height	137 inches
Weight	82,500 pounds (Prototype/Estimated)
Wheelbase	335 inches
Tamping Units	4 pair, half-split carbide tipped, positive displacement
Max Travel Speed	30 MPH (14 MPH, straight 3% adverse grade)
Maximum Grade	12% in low gear, 4% in high gear
Minimum Curve	38 degrees (creep), 18 degrees (working)
Superelevation	6 inches (maximum working)
Productivity	30 ties/minute @ 19.5 tie spacing

Learn more at [harscorail.com](http://harscorail.com)



Updated in USA, August 2019

### 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](mailto: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](mailto:railinfo@harsco.com)

**Harsco Rail Engineering Center**  
306 West 4th Street  
Fairmont, MN 56031-1837, USA  
+1 507 235-7376  
[railinfo@harsco.com](mailto:railinfo@harsco.com)

**Harsco Rail Manufacturing Operations**  
200 South Jackson Road  
Ludington, MI 49431, USA  
+1 231 843-3431  
[railinfo@harsco.com](mailto:railinfo@harsco.com)

**Protran Technology**  
1960 Old Cuthbert Road, Suite 100  
Cherry Hill, NJ 08034, USA  
+1 856 779-7795  
[info@protrantechology.com](mailto: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, Chewton Street, Eastwood  
Nottingham NG16 3HB, United Kingdom  
+44 (0) 1773 539480  
[uksales@harsco.com](mailto: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](mailto: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

The HARSCO RAIL equipment pictured in this brochure is intended to illustrate the general appearance and features of this product. It is equipped as specified by a particular customer and may or may not show items that are optional or recommended by HARSCO RAIL, Harsco Corporation. Specifications, illustrations, and descriptive materials herein were accurate as known at the time this publication was approved for printing. HARSCO RAIL, Harsco Corporation reserves the right to discontinue models or options at any time or change specifications and materials, equipment and design without notice and without incurring obligation. Federal, State or Provincial, and/or local laws and regulations may require additional equipment for the particular use intended for this product. It is the buyer's responsibility to determine the applicability of such laws and regulations to the buyer's intended use for the product and to arrange for the installation of the required equipment. Other products and companies referred to herein are trademarks or registered trademarks of their respective companies and/or mark holders.