

ULTIMATE

Bogie Press

Precision Weighing & Balancing for Superior Bogie Performance



ACCURATE MEASUREMENTS

Individual wheel loads & applied load.



RAPID SETUP

Quick & easy setup, reducing downtime & costs.



SEMI PORTABLE DESIGN

Easily relocated in a standard container or rigid truck.



FLEXIBLE & CUSTOMISABLE

Suitable for 2 or 3 axle bogies, multiple axles centres & rail gauges



USER FRIENDLY SOFTWARE

Intuitive touchscreen PC with data storage & reporting

Product Overview

ULTIMATE Bogie Press

Precision Bogie Weighing & Load Simulation for Safer, Smarter Rail Maintenance

The TRAKBLAZE ULTIMATE Bogie Press is a semi-portable weighing and load simulation system designed to accurately measure individual wheel loads under applied load conditions.

Engineered for rail maintenance depots and rolling stock manufacturers, it helps optimise bogie performance, improve safety, reduce maintenance costs, and ensure consistent, repeatable results.

WHY IT MATTERS

Improve Bogie Performance Before It Returns to Service

Accurate bogie weighing and balancing is critical to ensuring safe, reliable, and cost-effective railway operations. Uneven wheel loads can lead to:

- ✓ Premature wheel and rail wear
- ✓ Suspension imbalance
- ✓ Increased maintenance costs
- ✓ Poor ride quality
- ✓ Reduced component life
- ✓ Higher risk of wheel unloading and instability
- ✓ Costly repeat maintenance

The TRAKBLAZE ULTIMATE Bogie Press identifies these issues before rolling stock returns to service, allowing maintenance teams to make precise adjustments with confidence.

Key Benefits



PRECISION WHEEL LOAD MEASUREMENT

Accurately measures individual wheel loads under simulated operating conditions to ensure optimal bogie balance.



REDUCE MAINTENANCE COSTS

Identify uneven loading before it causes excessive wear on wheels, bearings, suspension components and track infrastructure.



IMPROVE WORKSHOP PRODUCTIVITY

Fast setup, intuitive software and automated reporting reduce testing time and improve maintenance efficiency.



DIGITAL REPORTING

Generate comprehensive reports automatically, providing complete traceability for maintenance records and compliance documentation.



SEMI-PORTABLE DESIGN

Unlike permanently installed presses, the modular system can be relocated between workshops, reducing installation costs and increasing flexibility.

Applications

- Rolling Stock Manufacturers
- Metro Operators
- Passenger Rail
- Rail Maintenance Depots
- Heavy Haul Rail
- Mining Rail

How The System Works

Position the Bogie

Apply Simulated Load

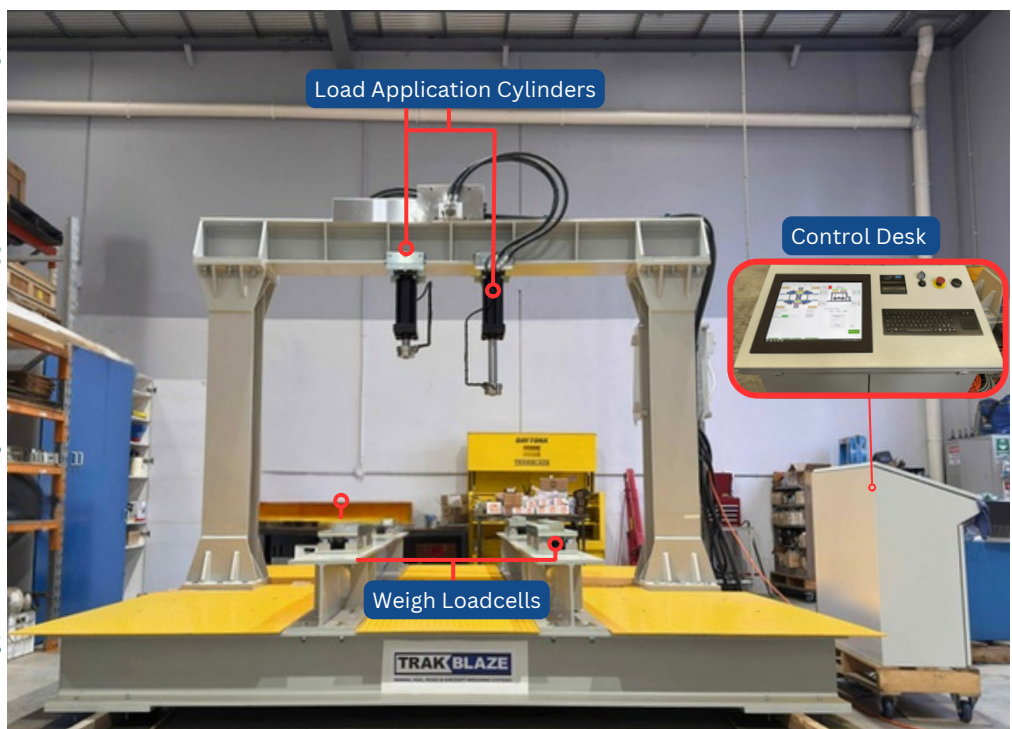
Measure Individual Wheel Loads

Weight Distribution

Generate Digital Report

Adjust Suspension if Required

Verify Final Balance



Powerful Software for Smarter Decisions

Intelligent Software

The TRAKBLAZE control software provides operators with real-time visibility of applied loads and individual wheel loads throughout the testing process.

Features include:

- ✓ Live Wheel Load Display
- ✓ Applied Load Monitoring
- ✓ Automatic Report Generation
- ✓ Data Storage
- ✓ Historical Test Records
- ✓ Exportable Reports
- ✓ User-Friendly Touchscreen Interface



Technical Specification

Construction format	Enclosed loop centre section. All pressing loads contained within. Bolt together construction to allow ease of transportation.
Rail gauge	To be confirmed on order (500 - 1700mm) with options for multiple gauges
Clear space between uprights	Standard 3000mm (Gauge dependent)
Twin ram format max capacity per ram	Up to 30 tonne (Single ram also available)
Max capacity of press structure	Up to 50 tonne
Cylinder centres	Variable up to 2500mm. Stops can be fitted as required
Ram stroke	Standard 250mm (others are available on request)
Loadcells(RAMS)	Compression type with mounting brackets
Pump	2 stage electric
Control circuits	220-240VAC/24 VDC
Number of wheel loads	4 or 6
Max capacity	20 tonne
Control desk	Located to one side adjacent to centre section All push button controls for press operations All hydraulic pressure and flow controls All readouts of load measurements of rams & wheels via built in PC controller

Note: Subject to change without notice. Images are for illustration purposes only.
Accuracies may vary based on site conditions and the operator.

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