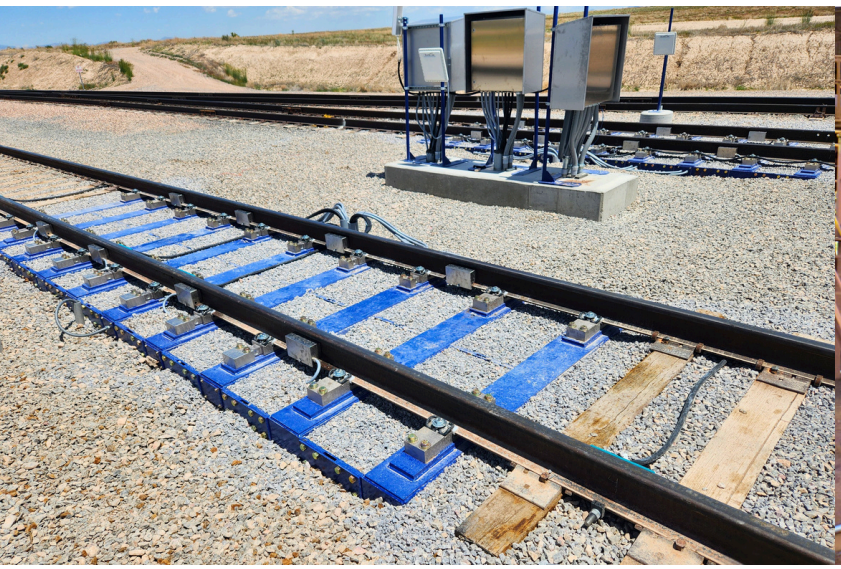
INFINITY

Low/Hi-Speed Weigh In-Motion (WIM) Train Weighing System

Accurate Reliable Load Cell Based System



INFINITY LS - Low Speed weighing up to 15km/h:

The Weigh In-Motion INFINITY-LS weighbridge electronic weigh-sleeper based system is the ideal low speed solution for mine loadouts, industrial plants, cement plants, power stations, steel mills etc. It consists of 2 electronic weigh sleepers & 4 dummy sleepers braced together forming one solid structure, incl. control cabinet and a PC with Trakblaze train weighing software.

The INFINITY-LS train weighing system can be installed two wagon lengths or more out from the loadout and provides the operator axle, bogie, wagon weight data, speed & wagon number all in real-time. This unique train weighing system enables the loading operator to regulate the filling so that the wagons are not under or overloaded. Weight data storage, printout & other features are available and train weighing results can be accessed from any location via the internet.

Installation of the INFINITY-LS train weighing system takes approximately 1 to 2 days (site dependent). Concrete foundation or civil works are not always required, however this is greatly dependent upon site conditions, although some form of ballast stabilis.ation is recommended to eliminate impact effects at the weighing transition points to ensure weighing accuracy and scale reliability.

INFINITY HS - Hi-Speed weighing up to 80km/h:

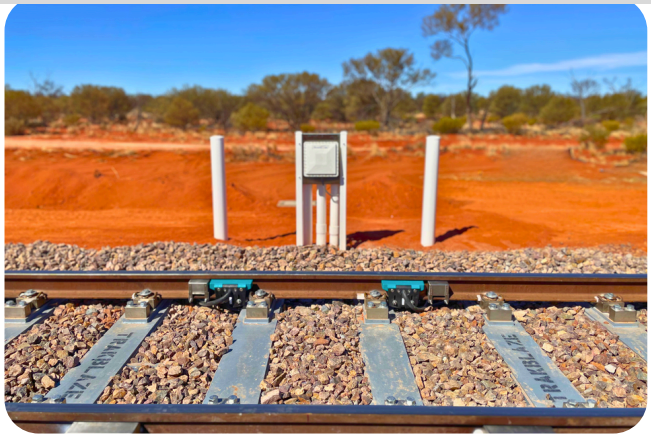
The Hi-Speed Weigh In-Motion INFINITY-HS is capable of train weighing up to 80km/h, dependent on track/site conditions & test train/rolling stock and operator. The INFINITY WIM rail weighing system consists of 6 electronic weigh sleepers & up to 12 dummy sleepers braced together forming one solid structure, including accessories, control cabinet and a PC with train weighing software. Train weighing results can be accessed from any location via the internet. Installation of the INFINITY-HS train weighing system takes approximately 2 to 3 days. Concrete foundation or civil works are not always required.

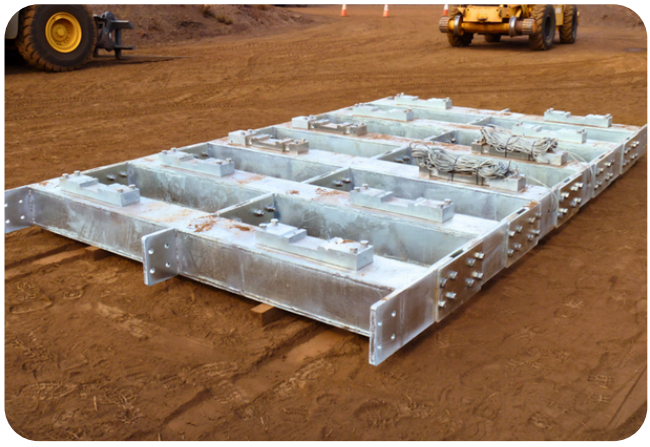
Benefits:

- Accurate reliable proven load cell based system
- No rail cutting, welding or grinding required
- Minimal installation / repair track down time
- Approx. 30 minutes to change parts (if required)
- Temperature compensated

LS
LOW SPEED = 0.1 UP TO 15KM/H (0.1 TO UP 9MPH)

HS
HI-SPEED = 0.1 UP TO 80KM/H (0.1 UP TO 50MPH)





TECHNICAL DATA

Capacity	Up to 50t per Axle
Achievable Accuracy	± 0.5% - 2% wagon approx. ± 0.25% - 0.5% total train approx.
Operating Temperature	-10°C - +70°C (in-track equipment only)
Transit Speed	Unlimited (approval by rail authority)
Voltage	24V DC / 110V - 250V AC
Data Transfer	TCP / IP

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

INFINITY OVERVIEW:

- Low & Hi-Speed weighing
- Reliable loadcell based system
- Can be installed in a curved track *(up to 5km/h)
- No rail cutting, welding or grinding required
- Approx. 30 minutes to change parts
- Temperature compensated

Installation of INFINITY 'LS' weighing system in curved track

Australian Government
Department of Industry, Science and Resources

National Measurement Institute

Registered Designs & Global Patents Apply

TRAKBLAZE INFINITY is Certified to NMI R106 (Automatic Rail Weighbridges) Approval No: NMI 6/14H/8

TRAKBLAZE
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