



advanced train weighing systems

Putting you in control

As pioneers in dynamic weighing of rail vehicles, we now have the largest number of in-motion weighing systems in operation worldwide.

Established over fifty years ago, Railweight is part of Avery Weigh-Tronix, one of the world's leading weighing companies.

Our specialist team develops solutions for all rail users, from train manufacturers and raw material producers to end users and infrastructure developers. You'll find our systems in action in almost every industry connected to rail networks.

As every system is bespoke, you benefit from a package that's exactly right for your application. Our innovative technology allows us to create

solutions which take a different approach than traditional, more costly methods. The results show through clearly on your balance sheet in low lifecycle costs and a short payback time.

Any train, any line, anywhere in the world

With total worldwide service, design, manufacturing, installation and support, we can tackle any challenge, anywhere in the world. Whether you are upgrading your system, converting a static rail weighbridge to dynamic weighing or starting right from the beginning, the Railweight team can put a custom system in place with minimal disruption to normal traffic.



655kg

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Flexible technology for a perfect fit

Since each customer's need is different, our expert team combines our products into tailor-made solutions that are just right for the application. Using a combination of the key system elements shown below, we can provide solutions for every application and budget.

Weighing Transducers:-

The type and quantity of weighing transducers depends on customer requirements for speed of weighing, accuracy and whether weighing statically or dynamically.

Weight Processor:-

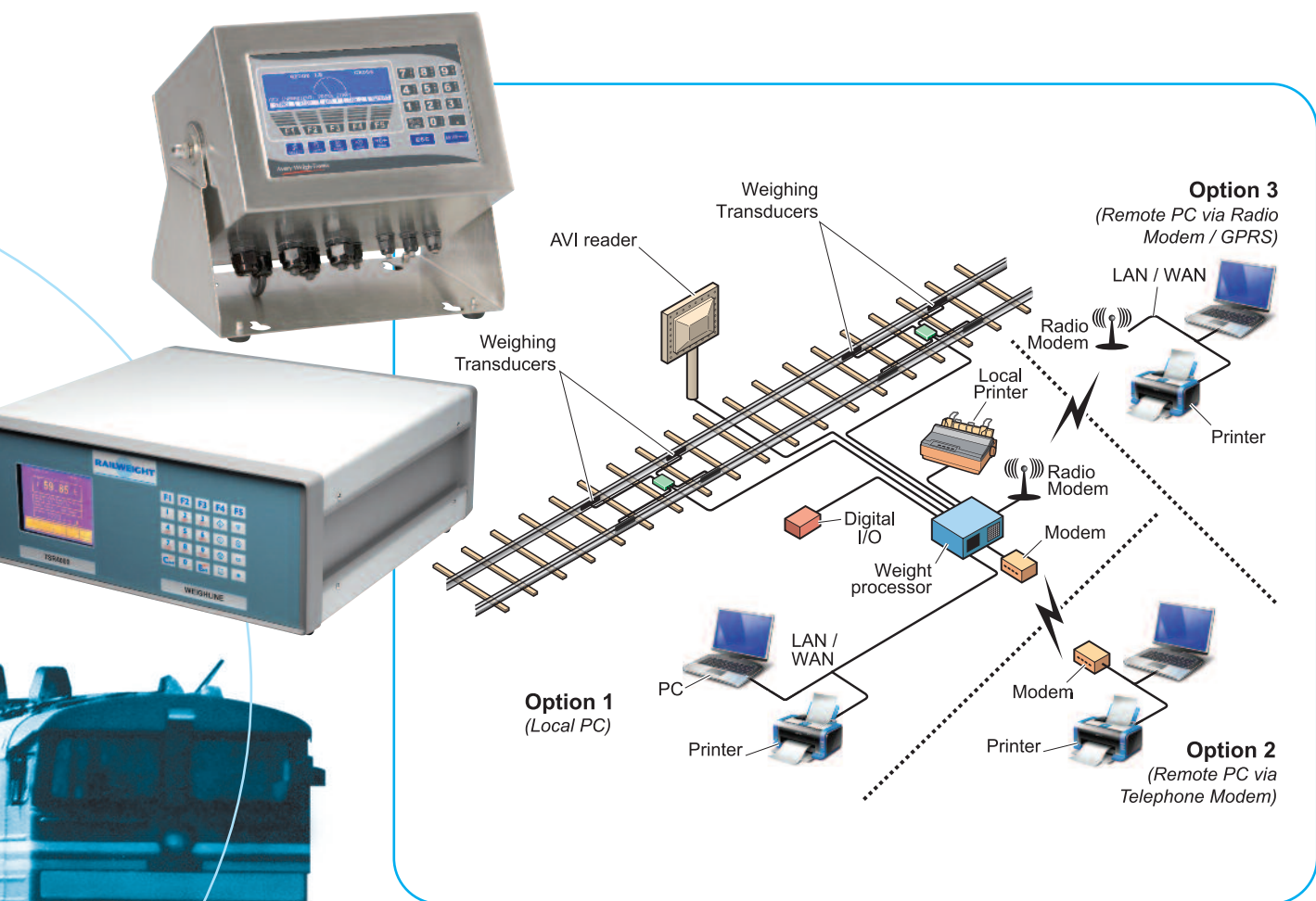
There is a range of indicators available to suit the most basic check weighing requirements to a remote managed, fully configured P.C. controlled system.

AVI:- Automatic Vehicle Identification

systems can also be integrated into the solution to automatically recognize vehicles. This enables you to monitor your entire wagon fleet and product movement on an individual wagon basis.

Connectivity and Networking:-

Whether a stand alone system or multi-site network, there is a range of software solutions to provide the necessary train data to the level of detail required.



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Why use weighing in rail applications?

Weighing is crucial to cost control and safety in virtually every aspect of rail operation, from monitoring product deliveries to avoiding overloading penalties. Some of the principle reasons for weighing rail cars include:

- Transaction purposes to invoice clients for the amount of product shipped or, as a customer, to ensure your shipper isn't overcharging
- To determine the mass of wagons in order to collect freight revenue from shippers
- To avoid overloading, which can damage wagons and infrastructure, and eccentric loading, which can lead to derailments
- For asset management to minimize high impact loads, especially at track discontinuities like track joints, turnouts or crossings
- To ensure any leakage of hazardous cargo is detected immediately upon arrival at the distribution depot
- For chemical applications, as our systems don't have any foundations or cavities to trap heavier than air explosive gases
- For load control to adjust the material flow parameters during automatic bulk loading to maximize the payload without overloading
- For production control in batching applications such as charging the furnaces producing coke to make iron
- For balancing purposes at locomotive manufacturer and repairer workshops in order to achieve optimum traction through weight distribution

An ongoing partnership

The Railweight team recognizes that a customer's weighing needs go far beyond developing and installing the system.

We are dedicated to providing the proper maintenance and servicing of your rail equipment in order to keep your business running efficiently. We will design an individual service plan for you, based on your bespoke system and its particular usage. We can also offer commissioning, training, spares and static and dynamic calibration for both new and existing installations in accordance with international metrology directives.

As a Railweight customer, you can benefit from our team of trained technicians anywhere in the world. We are truly your complete rail vehicle weighing solution provider and your partner, now and in the future.



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