

Avery Weigh-Tronix



advanced train weighing systems

Putting you in control

Pioneers in weighing of rail vehicles, Avery Weigh-Tronix has the largest number of in-motion weighing systems in operation worldwide.

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

For weighing rail vehicles 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 customized, 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

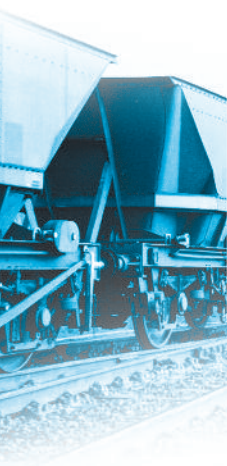
With experience and coverage in service, design, manufacturing, installation and support, we can tackle any challenge, anywhere across the U.S., Canada and Mexico. Whether you are upgrading your system, converting an existing rail weighbridge to dynamic weighing or starting right from the beginning, the Avery Weigh-Tronix team can put a custom system in place with minimal disruption to normal traffic.



655kg



102500



Flexible technology for a perfect fit

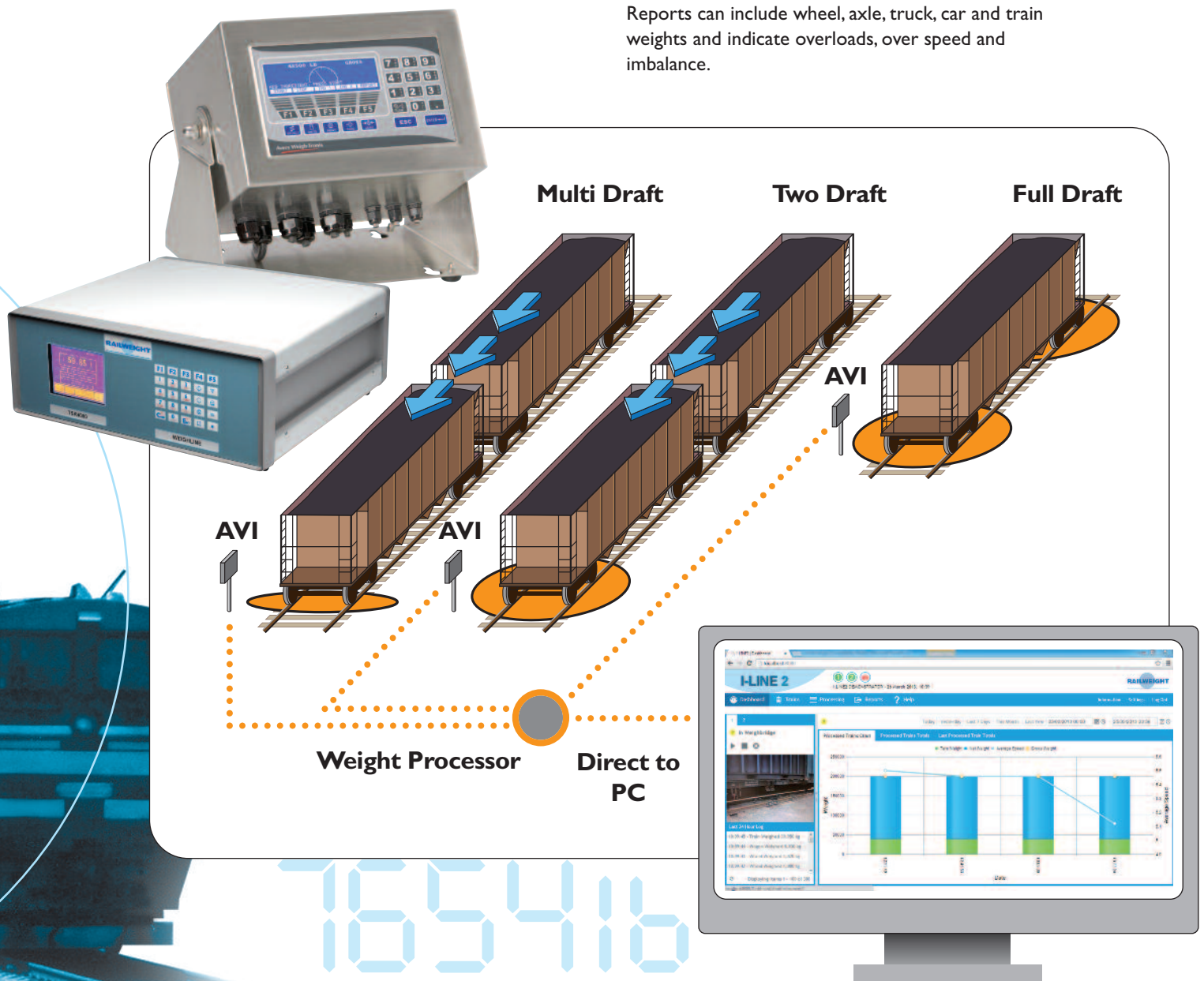
Since each customer's need is different, our expert team combines our products into tailor-made solutions that are just right for the application. Using a combination of the key system elements shown below, we can provide solutions for every application and budget.

Weighting Platform and Transducers:
The method of weighing the rail vehicle 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 simple check weighing requirements to the more dynamic and fully 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 fleet and product movement on an individual car 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. Reports can include wheel, axle, truck, car and train weights and indicate overloads, over speed and imbalance.



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 cars and tankers in order to collect freight revenue from shippers
- To avoid overloading, which can damage cars and infrastructure, and eccentric loading, which can lead to derailments
- Checking for 'heels' to ensure car yields are efficient with every shipment
- 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: This maximizes 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 Avery Weigh-Tronix 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 weighing equipment in order to keep your business running efficiently. Our local representatives can design an individual service plan for you, based on your customized system and its particular usage. They can also offer commissioning, training, spares and static and dynamic calibration for both new and existing installations in accordance with national and local metrology directives.

As an Avery Weigh-Tronix customer, you can benefit from our team of trained representatives anywhere across North and Central America. We are truly your complete rail vehicle weighing solution provider and your partner, now and in the future.



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