

On-Board Weighing for Concrete and Aggregate

Market Solutions



vulcanscales.com



Aggregate and Concrete Solutions

Weighing Solutions for Dump Trucks

The Vulcan dump truck scale system is recommended for both on-road and off-road applications. The in-cab V320 meter displays gross vehicle or net payload weights and alerts the driver to unsafe or overloaded situations. Rugged shear pin load cells in the rear hinge assembly and a hydraulic pressure sensor for the front lift cylinder provide the necessary information to optimize your load. (Typical accuracy is $\pm 1\%$ of GVW).



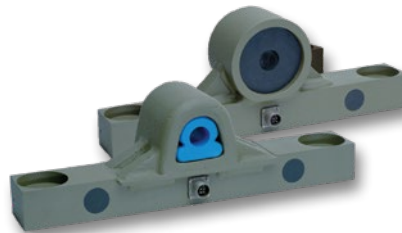
Dump Truck Scale Hinge Assembly



Hydraulic Sensor



Super-Beam Load Cells



Fifth Wheel Load Cell

Weighing Solutions for End Dump Trailers and Dump Trailers

Tractors and trailers with air suspensions use our all-digital air pressure sensors. Tractors and trailers with spring suspensions use our fifth wheel, single point, center hanger or trunnion load cell systems. Hydraulic pressure sensors that measure hoist cylinder pressure and shear pin load cells that measure weight at the rear tipping point are available for framed trailers. All Vulcan systems provide accurate data via our V320 electronics. (typical accuracy $\pm 1\%$ of GVW).

Weighing Solutions for Concrete Mixers

Reliable and easy to use, our concrete mixer scale system measures net payload weight in the mixer drum. Available on new equipment or as a retrofit on existing vehicles, it can operate as a stand-alone system or interface with on-board computers and GPS devices via our convenient in-cab display.



Trunnion Load Cell



Shear Pins



V320 Meter



V600 Meter

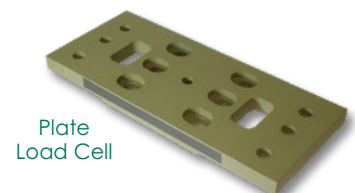


Plate Load Cell

Aggregate and Concrete Solutions

It All Began in the Pacific Northwest

Originally designed and developed in the Pacific Northwest for the timber industry, Vulcan On-Board Scales have since become the standard for quality, durability and simplicity across multiple industries including aggregate and concrete. We provide a variety of solutions to get you moving with maximum legal payloads.

Increase Profits— Eliminate Overweight Fines

Maximize payload weight potential and avoid costly fines. Our on-board scales make it possible to load your truck to the maximum legal limit every time.

Reduce Loading and Adjustment Time

Our on-board scales allow you to load to the maximum legal weight quickly without having to wait in scale lines. They also eliminate having to readjust your load.

Reduce Maintenance Costs and Increase Vehicle Life

Properly loaded vehicles have lower maintenance costs for brakes, tires, suspensions and other related equipment.

Increase Safety – Avoid Liability

Reduce required braking distance and improve tracking around corners by keeping weights within legal limits. Avoid liability exposure when overweight vehicles are involved in an accident.





Contact

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