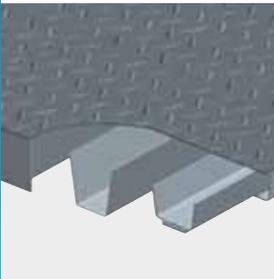


Orthotropic Steel Weighbridge Quality, Dependability, and Value



High Accuracy

POWERCELL® GDD™ load cells use digital signal processing to provide highly accurate vehicle weighing. Each load cell is equipped with a digital-compensation system that maintains accuracy despite changing environmental conditions. Built-in diagnostics simplify troubleshooting.



Orthotropic Design

Model VTS100 easily handles the forces generated by normal truck traffic, distributing concentrated loads more effectively than standard I-beam deck structures. The robust orthotropic design is similar to those used on the Golden Gate Bridge and many other heavily travelled highway bridges around the world.



Proven Performance

Using the "Module Masher" accelerated-life-cycle test stand, actual scale modules are tested for 1 million cycles with a minimum 60,000-lb dual-tandem-axle live load tire pattern. This is one way we go beyond the competition to ensure that you get the most reliable scale in the industry.



Lightning Protection

The specially designed StrikeShield™ lightning protection system helps prevent costly downtime by using multiple levels of protection to safeguard your entire scale system: load cells, cables, and terminal. It is the only system that has been tested by third-party laboratories and withstood multiple lightning strikes.



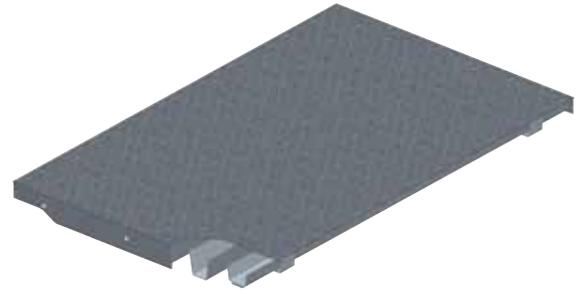
VTS100 Truck Scale

Model VTS100 is a steel-deck truck scale that delivers proven performance at an affordable price. It consists of a steel deck supported by orthotropic ribs that are completely sealed from the elements by automated, continuous welds. By pressure testing every rib, we ensure an airtight seal that eliminates the potential for rusting from inside, unlike scale designs that sandwich beams between top and bottom plates using intermittent welds. The ribs are shaped to distribute concentrated loads better than I-beam designs, leading to a longer life for your scale. As a result, you get a weighbridge capable of handling legal over-the-road traffic throughout a long service life.

VTS100 Truck Scale

Modular Steel Deck Weighbridge

Specifications	
Deck Plate Thickness	5/16 in (8 mm)
Scale Widths	9 ft-10 in, 11 ft (3, 3.3 m)
Scale Lengths	10 to 140 ft (3 to 42.7 m)
Profile	17 in (432 mm)
Module Lengths	10 ft, 15 ft, 17 ft-6 in, 20 ft, 23 ft-4 in (3, 4.6, 5.3, 6.1, 7.1 m)
Usage	50,000 trucks per year (average 200 trucks per day)
Capacity*	90,000 lb (scale lengths ≤ 23 ft-4 in) 150,000 lb (scale lengths > 23 ft-4 in < 60 ft) 200,000 lb (scale lengths ≥ 60 ft)
Foundation Types	Variable Footer, Beam Slab, Deep Pit, or Temporary Frame
eMin	20 lb (10 kg)
nMax	10,000 divisions
NTEP Handbook 44 Tested: Concentrated Load Capacity	80,000 lb (36,287 kg)
NTEP Certificate	01-070A4



The orthotropic-rib design ensures that the VTS100 truck scale has no welds in high-stress areas. This greatly reduces fatigue at the welds, a common cause of premature failure in other scale designs.

Applications

For weighing over-the-road vehicles in a wide variety of above-ground and deep-pit applications, including:

- Solid Waste
- Scrap Metals
- Ports
- Utilities
- Forest Products
- Chemicals
- Bulk Foods
- Agriculture
- Dairy

*Note: 200,000 lb is the maximum gross capacity that any truck scale can have and still maintain 20-lb increments in legal-for-trade applications.

Features	Benefits
Orthotropic Ribs	Safe, robust, and reliable design provides a long service life.
International Intergard® Finish	Protects steel against corrosion even in the harshest environments.
30t POWERCELL® GDD™ Load Cells	Digital technology provides accurate vehicle weighing.
Steel Deck	Enables you to start weighing immediately after scale installation.

Options:

- High-Clearance Risers
- Manholes
- Side Rails
- Dolly Landing Pads/Deck Runners
- DataBridge™ Vehicle Scale Software
- Unattended Driver Terminals
- Remote Displays
- Temporary Frame



Side Rails



Risers



Software



Remote Displays



Produced in a facility that is



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07/2016
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