Vehicle Scales

VTS200

- Strong – Designed for long life
- Rugged – Tough environments
- Accurate – POWERCELL® MTX
- Service – Low long-term cost of ownership
- Low Profile – For driver safety

Rugged Steel Weighbridge

Orthotropic design for long life

METTLER TOLEDO

Rugged full-steel weighbridge
Long life through efficient design

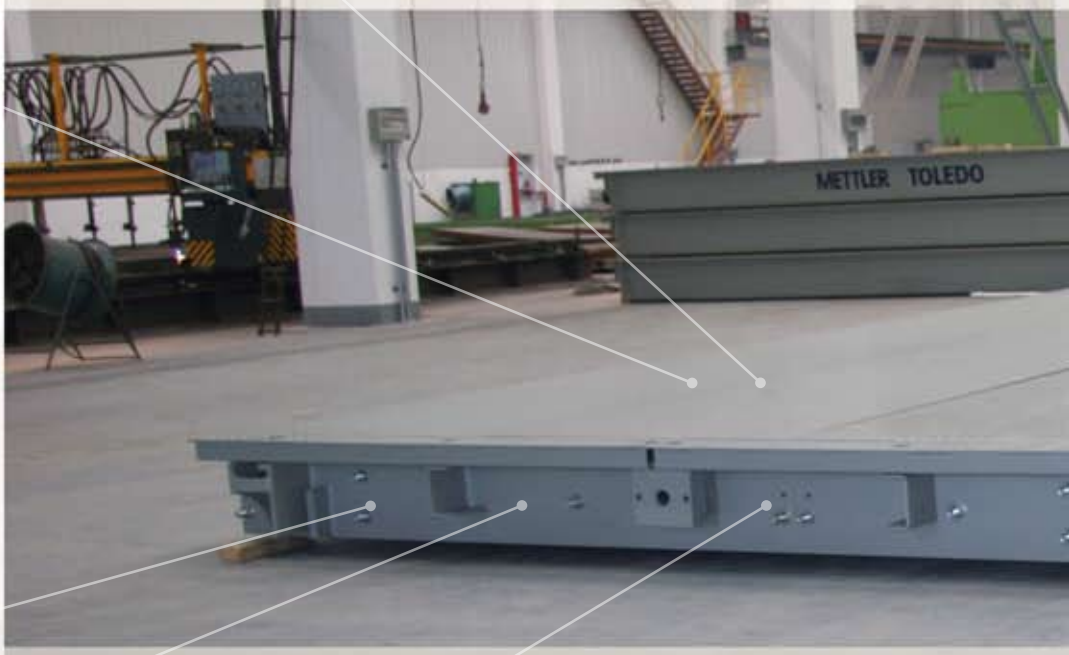
The cost of a weighbridge is a critical issue for today's customer, the VTS200 is designed to optimize the state of the art orthotropic design to fulfill two important goals; to accurately weigh on-the-road trucks under medium to heavy traffic conditions and to reduce your long-term service and maintenance costs.

Designed for life. The VTS200 Cycle Duty weighbridge is designed based on METTLER TOLEDO's experience as world leader in the weighbridge market. Our VTS200 design is proven in one of our unique "Module Tester" simulating 20 years use by running 250 fully loaded trucks per day across the scale. That's 3.1 million cycles running a 28t (60 klbs) Dual Tandem Axle on 1.2 m (4 ft) centers – this test ensures that your scale will last.

The VTS200 delivers the highest performance in its class following – **Directive 96/53/EEC** which specifies the maximum axle loads for trucks transiting Europe. The VTS200 will weigh vehicles according to this directive as well as your local laws. When you want to weigh more, or heavier trucks, METTLER TOLEDO can supply you an 'Extreme-Duty' weighbridge.

Efficient steel use for long life – every kilogram of steel is efficiently used. The VTS200 uses the same orthotropic construction methods as employed on famous bridges such as the Golden Gate (us), Akashi-Kaikyo (jp), Great Belt (dk) or Humber (uk) bridges – your bridge is designed and manufactured to last.

Epoxy painted – baked on epoxy coating is standard and is far more durable than primer or enamel finishes common in the industry, moreover, the finish complies with the RoHS Directive 2002/95/EC.



Checking system designed for heavy trucks – the mechanical restraints "checking" are in the foundation, not in the load cells – this eliminates extra wear and tear that can degrade a scale's accuracy.

Hi-Strength modules – because the VTS200 is efficiently designed, each module weighs less than 3 tons allowing you to move the scale to another site if you choose – no heavy cranes required.

VTS200 Containerized™ scale can be shipped in a standard closed shipping container or can easily fit on the back of a standard flat-bed truck to reduce your shipping cost – no extra costs for wide-load shipments.

VTS200 Is produced in the World's newest vehicle scale production facility

VTS200 is machine welded to obtain the best weld quality and long life

The steel in the VTS200 is shot blasted to create a fantastic painting surface

The VTS200 is epoxy painted and temperature cured eliminate corrosion

Automatically welded – the ribs of the VTS200 are robotically submerged-arc welded in a continuous seam – to provide exceptional strength, torsional rigidity and structural integrity. The designers have eliminated welds in high stress areas – which could be prone to failue.

Excellent driving surface – the VTS200 deck is covered with strong non-slip tread-plate for extra safety. The centre is closed and the driving surface is extra-wide to reduce accidents – load cell access through lateral gap covers.

Low height – ensures drivers can easily drive on to the scale should it be mounted above the ground.

Simple Modularity – the VTS200 scale can be configured in many sizes up to 48 meters (157 ft) using standard components.

No "I" beams – Orthotropic ribs provide a superior structure and eliminate the potential multi-axis weaknesses of I-beam steel weighbridges.

Optional side rails – easy to install and maintain – steel ramps are also available

Optional risers elevate the scale for more bottom clearance and easier cleaning

Optional access plates are recommend for below ground (pit) installations

The VTS fits easily into a standard sea container or on a flat bed truck

Certified Accurate
In Three Steps

A successful vehicle scale project doesn't end with selection of the best scale for your needs. Success is also defined by services that ensure a quality installation, effective integration, productive operations, accurate and certified weights, and dependable performance.

Installation, Configuration, and Integration

Our project managers coordinate all the tasks, equipment, and contractors for an on-time, in-specification vehicle scale installation. Our service representatives make certain that your scale system is ready for production in a cost-effective and timely fashion.

Your Benefits:
- Scale foundation that withstands traffic and the environment
- Properly installed and precision-tuned vehicle scale
- Information technology that dependably meets requirements
- Trained operators for effective vehicle processing
- Reliable communications to peripherals and networks
- Knowledge of user maintenance procedures

Proactive Scale Maintenance

A vehicle scale is a significant capital investment and its dependability is critical to maintaining productivity. METTLER TOLEDO ensures the operational readiness of your scale with cost-effective, factory-specified scale maintenance.

Your Benefits:
- Prevention of weighing errors due to buildup of dirt and debris
- Proper adjustment and mechanical integrity of scale components
- Assurance of vehicle and operator safety
- Stable operation with proper grounding and lightning protection
- Higher return on investment through increased scale life and productivity
- Recertification of your scale in accordance with local regulations

Our service representatives are there at the right time, with the right parts, the right tools and the right skills to meet your needs.

VTS200

- Economically shipped anywhere
- Easy to clean and maintain
- Efficient load cell access
- Non-slip driving surface
- Corrosion resistant components
- Load cells report weighing errors
- Integrated suspension system
- Unparalleled accuracy.
- Long service life

Feature	Specification
Weighbridge type	Multi-Module
Standard module sizes	4, 5 and 6 meters (13, 16.4, 19.7 ft)
Construction	Orthotropic steel – continuous welded ribs
Deck Thickness	30 cm, 41 Installed (12, 16 in)
Deck Type	Treadplate
Protection	Baked, Acrylic Epoxy RAL7038
Scale Width (Standard)	3.4 m (11 ft)
Scale Width for shipping	2.10 m (6.9 ft)
Scale Length	4 to 48 m (13 to 157.5 ft)
Scale Weight	530 kg per linear meter (356lb per ft)
Material Type	ST 37.2 (ASTM A-36)
Lightning Protection (tested)	Lightning technologies tested – 100 000 V, 10 000 A
Weighing components	17-4 Stainless
Load cells	Hi-Performance POWERCELL® MTX
Load cell protection class	IP68, IP69k; NEMA 6p
Junction boxes	X5CRNI189 (304L) IP67, (NEMA 4X)
Approval EC/94/EEC	Certicate T2206
Capacity 16/18/24m	50/60/80 t (100 k, 130 k, 170 klb)
nMax	3000, 4000 or 6000
Rated axle load	28 t dual tandem axle (DTA) (60 klb)
Minimum axle spacing	1.2 m for 28 t DTA (4 ft for 60 klb)
Foundation types	Above ground, shallow or deep pit
Operating temperature	-60° to +50° (-76° to 122° F)
Temperature EC/94/EEC	-10° to +40° (4° F to 104° F)

Standard features and Options

	Standard	Option
Treadplate driving surface	×	-
Top access to cells	×	-
25t POWERCELL® MTX	×	-
Lightning protection	×	-
Longitudinal and lateral checking	×	-
Man-hole covers	-	×
POWERCELL® terminal	-	×
Risers to raise scale	-	×
Side rails	-	×
Extended warranty	-	×
Ramps	-	×

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