



QALIBRATED
SYSTEMS



QSL WEIGHBRIDGE

QSL WEIGHBRIDGE SERIES ELECTRONIC TRUCK SCALES



Low Profile Weighing Platform

Easy Transportable Structure

Easy and Quick Installation

CNC Controlled Production Automation

High Accuracy Weighing

Minimum Service and Maintenance Cost

Usage With Concrete/Steel Ramps





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QSL WEIGHBRIDGE

Low profile modular design, easy installation and commissioning

**Unique design, fast and
zero error production...**



TX-BRIDGE series electronic truck scales are able to install and demounted with their low profile modular structure design. When the surface of the place where truck scale is installed should be strength enough, these features provide quick installation and commissioning. Low profile design, platform surface provide great convenience during trucks entry and exit of the scales.

TX-BRIDGE series electronic trucks scales are produced by CNC controlled automatic machineries and high quality special materials which are pretty strong and durable structure is spite of their low profile. Especially they are used for under silo filling application and excavation also they are used easily all businesses where truck scales need to be used.

**National and international
certification...**



- » Legal metrology approved
- » 2014/31/EU type approval, OIML R76 and CE certified digital weighing indicator
- » OIML R60 C3 certified load cells

**Strong construction
and reliability,
long service life, minimum
maintenance cost...**



- » Robust construction and high accuracy with multiple load cells design
- » Stainless steel load cells with IP68/IP69K class and lightning protection
- » Stainless steel junction box with IP 67 class and lightning protection
- » Steel jacket cable protection
- » Load cells with %150 safe, %300 ultimate load limits
- » % 100 steel, durable, no replacement costs required mounting kit design

**Easy operation of weighing
process with
standard and optional
equipments...**



- » Safe and easy weighbridge operation with Load Line - 2 Truck Scale Management System consists of weigh indicator, computer, windows based WinSCALE programme and printer.
- » Possibility to be connected to the automation systems, computer and computer network
- » Additional accessories such as traffic lights, barrier, automatic vehicle identification, remote display, modem, barcode reader and other options depend on your projects
- » Multi range weighing alternatives



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SCALE MASTER

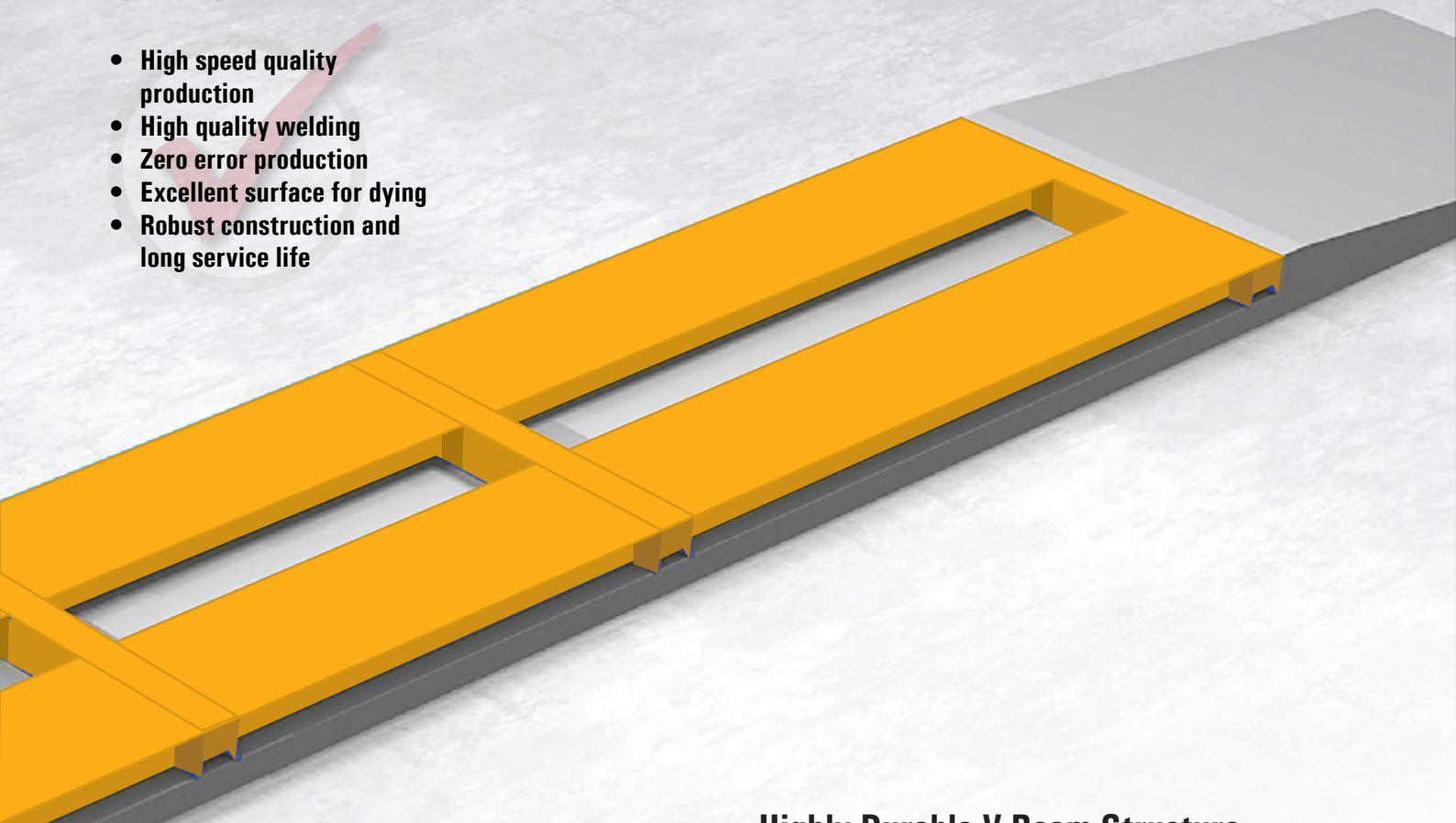
MACHINERY PARK



- High speed quality production
- High quality welding
- Zero error production
- Excellent surface for dying
- Robust construction and long service life

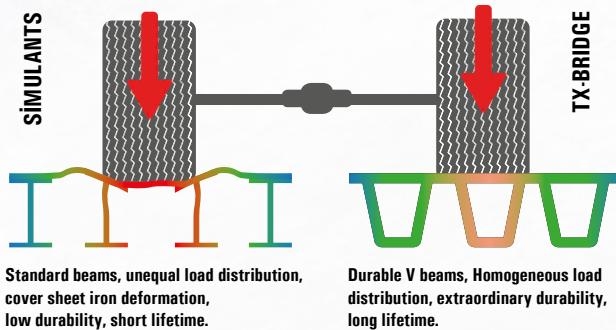
CNC Controlled Production Automation

Besides strong construction and reliability, it is also very important that CNC controlled automatic machineries are used during TX-BRIDGE manufacturing process. During TX-BRIDGE steel construction weighing platform production, all sheet metal, profile cutting process, connection holes are made with CNC controlled machineries. The production process is finalized by welding continuously through robotic welding machine process. As a result of "ScaleMaster" fully automated manufacturing process, TX-BRIDGE has unrivalled reputation with homogeneous structure, without intermittent welds or lower strength spot.



Highly Durable V Beam Structure.

TX-BRIDGE series weighbridges provide higher durability owing to their superior construction design.



Standard beams, unequal load distribution, cover sheet iron deformation, low durability, short lifetime.

Durable V beams, Homogeneous load distribution, extraordinary durability, long lifetime.



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High Quality and Accuracy Load Cells

Truck scales are weighing devices operating harsh and tough working conditions. The load cells used truck scales are not affected from major and sudden forces with their superior geometries during vehicle movements. Their ability to work under water and washed by pressurized water condition structures provide longterm performance under harsh environmental conditions and corrosive substances. With standardized loadcell outputs, no corner adjustments requirement makes most exact measurement guaranteed at every point.



**OIML
R60
Class C3**



Minimum Service and Maintenance Cost

Stainless steel load cells with IP68/IP69K protection class with completely hermetic sealed enclosure provides extended performance in harsh industrial environments.

With these superior properties of load cells, it significantly reduce maintenance costs. Most importantly, it eliminates weighing failures that occurs on the truck scales unlike other load cells which are not equipped with completely hermetic sealed enclosure on the market place.

Lightning Protection

The loadcell lightning protection components on provides maximum protection from lightning strikes, and heavy surges in current.



Overload Protection

Load cells are protected of % 150 safe load and % 300 ultimate load limits. This certified feature is another reason to perform without any problem for many years.

"Rocker Column" Self-Centering Design

Rocker Column design contributes self-centering during trucks weighing and forces acting in a number of different directions ensure high measurement accuracy.

Interlock Mechanism Against Axial Movements

Interlock mechanism is standard feature for load cells that are used for series. This special feature prevents rotating around its own axis caused by forces acting in a number of different directions during entry-exit of the vehicles and it eliminates problems such as cable twisting, breaking and incorrect weighing.



LoadGuard Special Design Mounting Kits

LoadGuard mounting kits work in full compatible with load cells' "Rocker Column" feature to compensate the disturbance effects of side loading on weighing performance. This superior combination eliminates the need for equipments such as check rods and bumper bolts which are used for getting more accurate weighing results from platform and load cells.

It is made of 100% steel. It doesn't creep over time like the other mounting kits using rubber and caoutchouc due to external factors and conditions. Thus, weighing errors end and service costs go down to zero caused by the deformation of mounting kits.

With low degrees of freedom, it reduces the resonance period of forces from different directions. It allows faster and more accurate weighing measurements.

Mounting kits which are specially designed to allow oscillation within certain limits provide a perfect weighing performance by taking control of the forces caused by movement of vehicles on the platform and thermal expansion.



Junction Box



High quality and long lasting performance with IP67 protection class including lightning protection structures. No maintenance required.



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Load Line 2 Truck Scale Management System

Load Line – 2 "Truck Scale Management System" consists of Weight Indicator, Computer, Windows based WinSCALE programme and printer. It is very easy to use with visible LED indicator, colorful monitor, PC keyboard, mouse and intelligible menu structure that guides operator. It meets all expectations with standard and optional software-hardware alternatives.

Safety of the weighing and registering are in the prominent features for LL 2 truck scale management system, as well as offers a choice of using 6 different languages. Alphanumeric data can be accessed to the data fields defined by the user or they can be coded and selected from the tables. Daily, monthly or any two dates based detailed reports with respect to any data fields numberplate, customer and all other informations can be displayed on the screen or can be printed.

Standard Features

- » 2014/31/EU type approval, OIML R76, CE certified
- » Standard PC keyboard, 18,5 " wide colorful LCD monitor and easy operation with intelligible menu structure
- » Automatic data - time and serial number
- » High disc capacity and extensive weighing memory
- » To be able to use in 6 different languages
- » Connection to computer or another weighing terminal
- » Possibility that truck scales are all communicating with each other
- » Identifying printer separately for ticket and report
- » Ethernet, analog, digital and serial outputs for automation and industrial applications
- » 4+5 programmable data fields can be defined by the user
- » Rapid usage with coding identification for all data fields
- » Preset tare record memory for regular vehicles which are constantly weighed
- » Wastage weighing opportunity
- » Print out consignment note option with a different printer
- » Daily, monthly or any two dates based general or detailed reports with respect to any data fields can be displayed on the screen or printed out
- » Possibility to receive the reports to MS Excel
- » Saving weighing reports as txt file
- » Automatic filling, weighing without operator with RFID or contactless mifare card, multi-scale integration and other automation options depends on your projects

Ticket and Report Printer

It is possible to get tickets and reports with a fast and long-term printer that can print on A4 paper, which is connected to the digital weighing terminal.

Ticket Print Data

- » 3 lines 255 characters company and address information
- » 15 characters numberplate
- » 50 characters content on the programmed 9 data fields (material name, company name , ext)
- » Register no, date and time informations
- » Functions like 1st weighing, 2nd weighing and preset tare weighing



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OPTIONS



Automatic Vehicle Identification System

With RF transmitter mounted on the truck, information of the vehicle is transferred to the computer without an operator. It allows quick and safe weighing operations where car traffic is intensive with serial weighing facilities.



Automatic Vehicle Identification Terminal

It is mounted at entry or exit of scale. When the vehicle access into the scale, without the driver's getting out of the vehicle the card is read on the vehicle identification terminal and all information are transferred to the computer. It allows making the process of weighing without an operator. Preferably and according to the process one or two terminals can be used.



Remote Display

It is used for observing the value of the vehicle weight from outside of the cabin. It can be mounted on weighing cabin or any suitable place which can be seen from outside. Display is clearly visible with 6 digits red LED indicator.



Message Terminal

It is used to guide and inform the driver visually at the truck scales with automation applications and automatic vehicle identification system. It can be mounted to the scale area or weighing cabin.



Cover Sheet

The space between the platform blocks can be closed with the optional cover plate.



IP Camera

IP Camera is used for weighing security or transferring photos to the database for the truck scales operated far away from weighing cabin. Recorded photos and data can be displayed on the screen or they can be printed. In addition, the camera software and hardware can be added to read vehicle numberplates automatically and transfer them to the database.



Barrier

It is mounted on scale entry and exit. It prevents vehicle accessing, while the other one is weighing on the scale, and doesn't let the vehicle exit the scale before the end of process.



Traffic Lights

It is used for the organization of the vehicle's scale entry and exit traffic by the commands received from the weight indicator where the serial and intensive weighings are valid. It can be mounted to the scale area or weighing cabin.



Steel Side Rail System

Side rail system provides safe trucks enter and exit the scale. Cylindrical form and different colour from scale surface design prevent damage to tires of the trucks.



Ex-Proof

Truck Scales can be produced with ex-proof featured and ATEX approved for the facilities located in flammable or explosive environments.

CAPACITY & DIMENSIONS

MODEL CODE	DIMENSION (m)	CAPACITY (ton)	DIVISION (kg)
WB-TX-S-3X8-60T.6L	3X8	60	30
WB-TX-S-3X10-60T.6L	3X10		
WB-TX-S-3X12-60T.6L	3X12		
WB-TX-S-3X14-60T.8L	3X14		
WB-TX-S-3X16-60T.8L	3X16		
WB-TX-S-3X18-60T.8L	3X18		
WB-TX-S-3X20-60T.10L	3X20		
WB-TX-S-3X22-60T.10L	3X22		
WB-TX-S-3X24-60T.10L	3X24		
WB-TX-M-3X12-80T.6L	3X12	80	50
WB-TX-M-3X14-80T.8L	3X14		
WB-TX-M-3X16-80T.8L	3X16		
WB-TX-M-3X18-80T.8L	3X18		
WB-TX-M-3X20-80T.10L	3X20		
WB-TX-M-3X22-80T.10L	3X22		
WB-TX-M-3X24-80T.10L	3X24		
WB-TX-L-3X16-100T.8L	3X16	100	50
WB-TX-L-3X18-100T.8L	3X18		
WB-TX-L-3X20-100T.10L	3X20		
WB-TX-L-3X22-100T.10L	3X22		
WB-TX-L-3X24-100T.10L	3X24		

Multi range weighing alternatives for all sizes and dimensions.

OPTIONAL STEEL RAMP

