TARALSA

WEIGHING TECHNOLOGIES

GENERAL CATALOGUE

Accurate Weighing
Quality Labour
Fast Service

ABOUT US

With the experience of many years in the weighing industry, TARALSA as a brand of MOSAS GROUP aims to provide you the best service. With the awareness that this goal gives us, we keep producing our products at highest quality according to international standards.

TARALSA

WEIGHING TECHNOLOGIES

CONTENTS

TARALSA

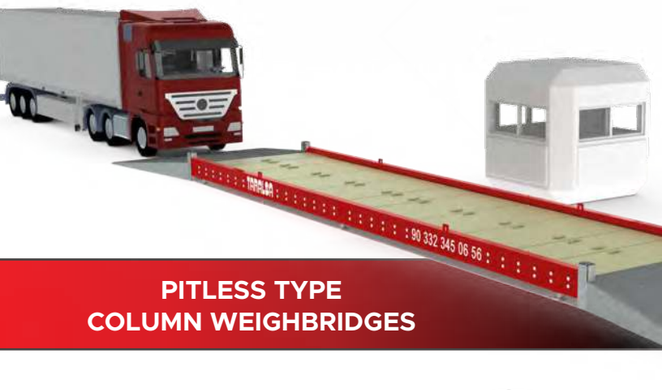
WEIGHING TECHNOLOGIES

Accurate Weighing, Quality Labour, Fast Service.

VEHICLE (TRUCK) WEIGHBRIDGES

Mechanical parts of TARALSA Column Type Vehicle Weighbridge series are produced in two types which are ramp and pit type with advanced technology and principle of high qualified workmanship by our professional teams in line with R&D/Design studies.

Column Type Vehicle Weighbridge series are presented to our customers with continuous monitoring of new technologies and keeping quality at the forefront for reliable and precise measurements based on high precision in our systematic structure.



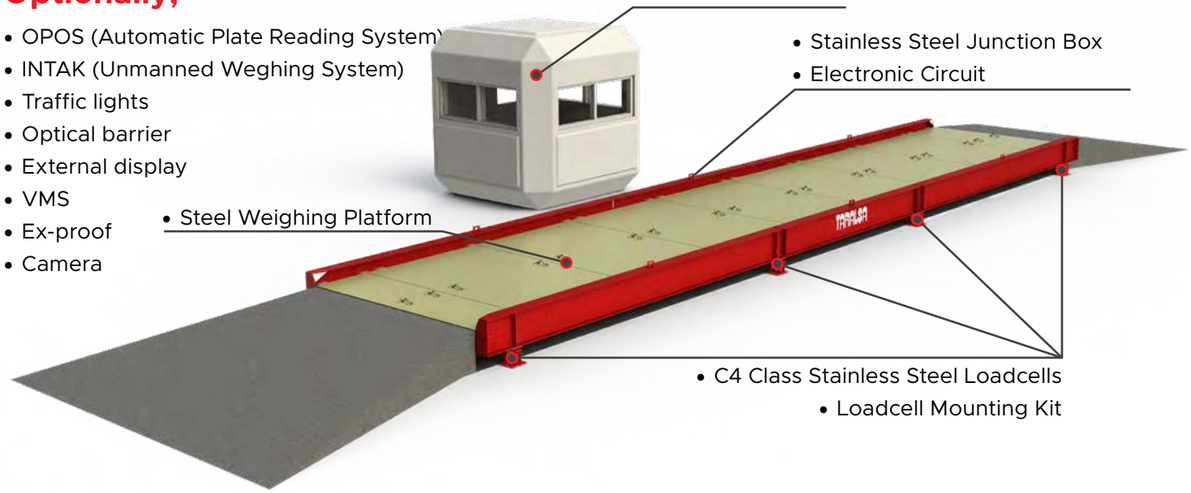
We offer Column Type Vehicle Weighbridges to your service with structure equipped with standard components without spare parts problem, with minimum maintenance cost, long-life structure, widespread service network by combining our software that creates a comfortable usage structure with easy menus and fast processing performance.

PITLESS TYPE COLUMN WEIGHBRIDGES

PIT TYPE COLUMN WEIGHBRIDGES

Optionally;

- OPOS (Automatic Plate Reading System)
- INTAK (Unmanned Weghing System)
- Traffic lights
- Optical barrier
- External display
- VMS
- Ex-proof
- Camera



The platform is I type beam system and I beams are manufactured in accordance with IPE series DIN 1025 norm. The platform carrying capacity is 50% higher than the nominal capacity. The platform top plate sheet (St37 A1 quality flat sheet) may vary according to scale capacities and joined to welded (arc welding) auxiliary carriers (pallets).

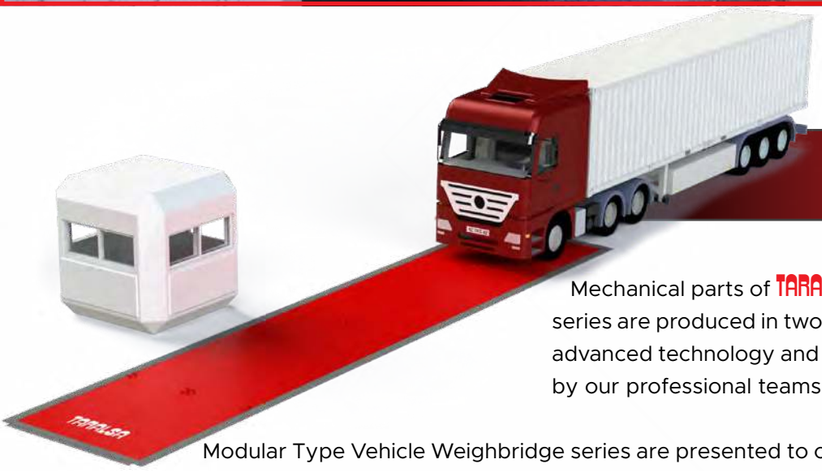
B3 with its advanced software functionality is a device with which you can perform your weighing applications. There is an approved weighing indicator (B3) and an operation system (Android) that runs your application in it. Plugging of a monitor, keyboard, mouse and a printer is enough to use the device. With the usage of load cells that have OIML R60 C class certificate, 3000/4000 divisions, stainless steel structure, IP69K (EN 60529) protection it has ability to work for many years under difficult conditions and with ATEX versions which allows to be used in petroleum and chemical industry.

MODEL	SIZE	MAX. CAPACITY	MİN. CAPACITY	DIVISION	LOAD CELLS
I BEAM	3X8 m	60 Ton	400 kg	20 kg	4 pieces
	3x9 m	60 Ton	400 kg	20 kg	4 pieces
	3x12 m	60 Ton	400 kg	20 kg	6 pieces
	3x14 m	60 Ton	400 kg	20 kg	6 pieces
	3x14 m	80 Ton	1000 kg	50 kg	6 pieces
	3x16 m	60 Ton	400 kg	20 kg	8 pieces
	3x16 m	80 Ton	1000 kg	50 kg	8 pieces
	3x16 m	100 Ton	1000 kg	50 kg	8 pieces
	3x18 m	60 Ton	400 kg	20 kg	8 pieces
	3x18 m	80 Ton	1000 kg	50 kg	8 pieces
	3x18 m	100 Ton	1000 kg	50 kg	8 pieces
	3x18 m	120 Ton	1000 kg	50 kg	8 pieces
	3x20 m	80 Ton	1000 kg	50 kg	10 pieces
	3x20 m	100 Ton	1000 kg	50 kg	10 pieces
	3x20 m	120 Ton	1000 kg	50 kg	10 pieces
	3x22 m	80 Ton	1000 kg	50 kg	10 pieces
	3x22 m	100 Ton	1000 kg	50 kg	10 pieces
	3x22 m	120 Ton	1000 kg	50 kg	10 pieces
	3x24 m	80 Ton	1000 kg	50 kg	10 pieces
	3x24 m	100 Ton	1000 kg	50 kg	10 pieces
	3x24 m	120 Ton	1000 kg	50 kg	10 pieces

Junction box provides the opportunity of connecting 10 load cells with its stainless-steel structure that provides long lasting protection. Besides this, thanks to its adjustable electronic card potentiometer it offers these features;

- Adjustable weighbridge platform corners
- Certified protection
- Siliconized connection points
- High resistance to moisture and dust
- Facility of connecting 10 loadcells

There are steel-based mounting accessories around the load cells for shock movements that can be made to the scale during maneuver and irregular loads that may come to the scale at the input-outputs. Mounting accessories serve as suspensions and buffering devices to protect against irregular loads, thermal expansions and misalignments that may be harmful to the weighbridge.



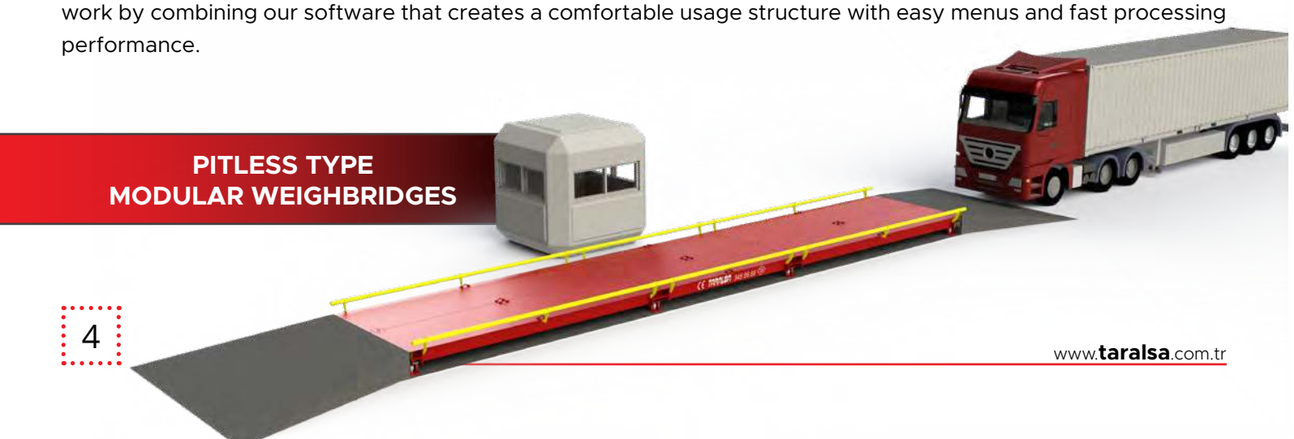
PIT TYPE MODULAR WEIGHBRIDGES

Mechanical parts of TARALSA Modular Type Vehicle Weighbridge series are produced in two types which are ramp and pit type with advanced technology and principle of high qualified workmanship by our professional teams in line with R&D/Design studies.

Modular Type Vehicle Weighbridge series are presented to our customers with continuous monitoring of new technologies and keeping quality at the forefront for reliable and precise measurements based on high precision in our systematic structure.

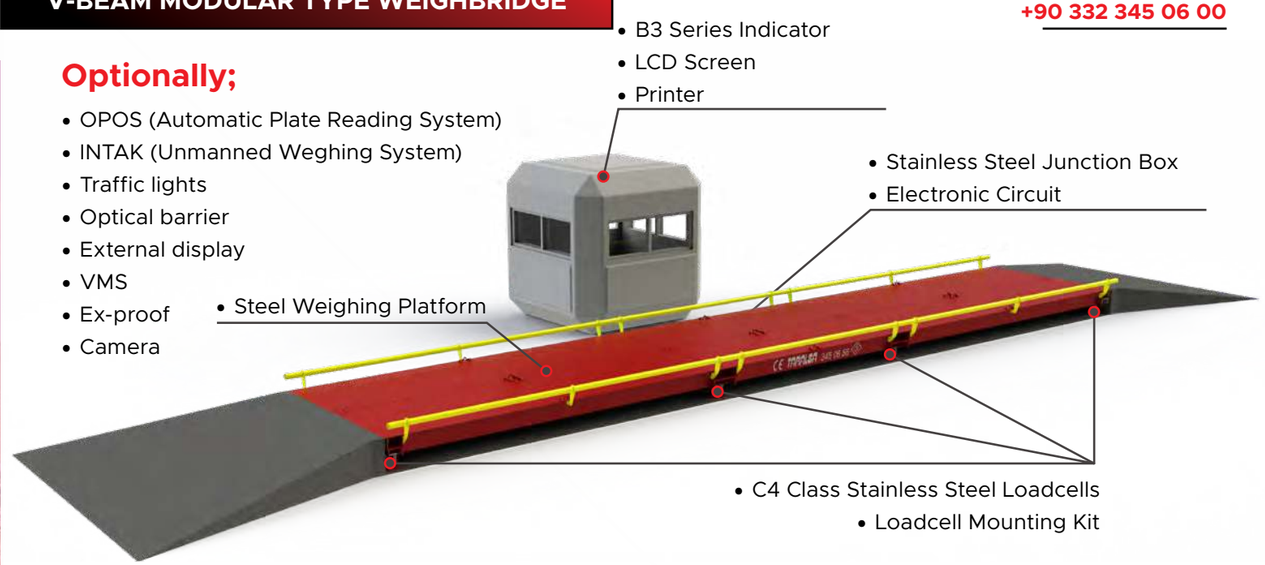
We offer Modular Type Vehicle Weighbridges to your service with structure equipped with standard components without spare parts problem, with minimum maintenance cost, long-life structure, widespread service network by combining our software that creates a comfortable usage structure with easy menus and fast processing performance.

PITLESS TYPE MODULAR WEIGHBRIDGES



Optionally;

- OPOS (Automatic Plate Reading System)
- INTAK (Unmanned Weghing System)
- Traffic lights
- Optical barrier
- External display
- VMS
- Ex-proof
- Camera



The body of this type of scales consists of V-shaped beams. It is manufactured as ramp and pit type. The capacity of the steel platform is 30% more than its nominal capacity.

The thickness of the platform top plate sheet (St37 A1 quality flat sheet) may vary according to scale capacities. Top coating sheets are merged to sheet metal twist sleepers by welding (gas).

B3 with its advanced software functionality is a device with which you can perform your weighing applications. There is an approved weighing indicator (B3) and an operation system (Android) that runs your application in it. Plugging of a monitor, keyboard, mouse and a printer is enough to use the device. With the usage of load cells that have OIML R60 C class certificate, 3000/4000 divisions, stainless steel structure, IP69K (EN 60529) protection it has ability to work for many years under difficult conditions and with ATEX versions which allows to be used in petroleum and chemical industry.

MODEL	SIZE	MAX. CAPACITY	MİN. CAPACITY	DIVISION	LOAD CELLS
V BEAM	3X8 m	60 Ton	400 kg	20 kg	6 pieces
	3x9 m	60 Ton	400 kg	20 kg	6 pieces
	3x12 m	60 Ton	400 kg	20 kg	6 pieces
	3x14 m	60 Ton	400 kg	20 kg	8 pieces
	3x14 m	80 Ton	1000 kg	50 kg	8 pieces
	3x16 m	60 Ton	400 kg	20 kg	8 pieces
	3x16 m	80 Ton	1000 kg	50 kg	8 pieces
	3x16 m	100 Ton	1000 kg	50 kg	8 pieces
	3x18 m	60 Ton	400 kg	20 kg	8 pieces
	3x18 m	80 Ton	1000 kg	50 kg	8 pieces
	3x18 m	100 Ton	1000 kg	50 kg	8 pieces
	3x18 m	120 Ton	1000 kg	50 kg	8 pieces
	3x20 m	80 Ton	1000 kg	50 kg	10 pieces
	3x20 m	100 Ton	1000 kg	50 kg	10 pieces
	3x20 m	120 Ton	1000 kg	50 kg	10 pieces
	3x22 m	80 Ton	1000 kg	50 kg	10 pieces
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Junction box provides the opportunity of connecting 10 load cells with its stainless-steel structure that provides long lasting protection. Besides this, thanks to its adjustable electronic card potentiometer it offers these features;

- Adjustable weighbridge platform corners
- Certified protection
- Siliconized connection points
- High resistance to moisture and dust
- Facility of connecting 10 loadcells

There are steel-based mounting accessories around the load cells for shock movements that can be made to the scale during maneuver and irregular loads that may come to the scale at the input-outputs. Mounting accessories serve as suspensions and buffering devices to protect against irregular loads, thermal expansions and misalignments that may be harmful to the weighbridge.

VEHICLE WEIGHBRIDGES- WAGON SCALE

+90 332 345 06 00

Electronic railcar scales are specially designed and manufactured for weighing freight carriages on railways as well as rail and connection features row according to the characteristics of the wagons. With its very strong static structure, durability and high performance the wagon scale can serve to you for many years under harsh service conditions.

Electronic wagon scales are installed according to the condition of the site and the characteristics of the railway which are produced as single or double scale with line pit and half-pit for weighing wagons at different lengths. Weighing separately for each weighing scale can be performed at two pane scales and it is possible to weigh long wagons on both panes.

Accurate Weighing, Quality Labour, Fast Service.

PACKAGING MACHINES

PACKAGING MACHINES

TARALSA packaging machines are designed for storage of silage to anywhere wanted for our farmers instead of storing them by burying. The silage embedding where the silage is stored by burying and used throughout the year until the new crop site is taken is both labor intensive and time-consuming. Moreover approximately 30%-40% of the buried silage is decayed and cannot be used. On the other hand the silage packaged by TARALSA packaging machines can be stored for a long time intact.

TARALSA Packaging Machines;

- Provide silage packaging to preserve the freshness and moisture of the first day. In this way, the silage is stored intact for a long period of time and easy transportation is provided.
- **Are environment friendly**
- Due to the easy stacking of the silage, it reduces labor costs and saves you space
- Ensure that the packaged products continue to ferment with their own moisture. In this way, silage softens become more suitable for the consumption of your animals. It has been shown that there is a significant increase in meat and milk at packaged silage fed animals compared to the animals fed by buried silage.
- It allows companies that have high annual corn production to sell their packaged silage and prepares the ground of a new commercial space and employment.

Packaging Weight
25-50 kg

Hourly capacity
6 – 8 tons

Weighing tolerance
%2

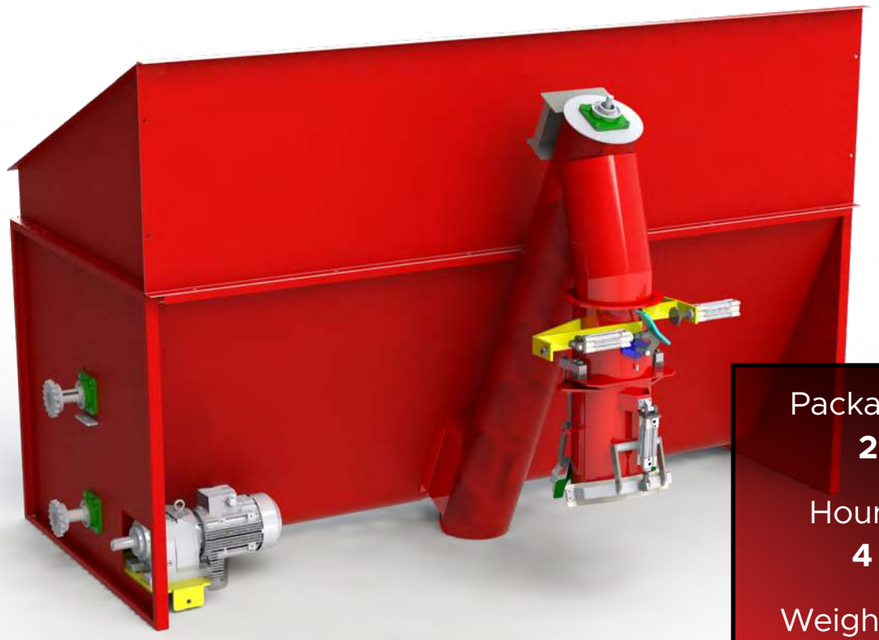
Packaging Weight
25-50 kg

Hourly capacity
10 – 12 tons

Weighing tolerance
%2

Compressor Capacity	300 lt / 8 bar
Vacuum Pressure	22 kPa – 3 kw
Operating Voltage	380 VAC (Standard) 220 VAC (Optional)
Power Consumption	22 kw
Dead Weight	2.8 tons
Length of Loading Tape	8/10/12 meters (Optional)
Length of Vacuum Tape	3 meter
Dimensions	Height 2.85 m Width 2.3 m Length 6.5 m

Compressor Capacity	300 lt / 8 bar
Vacuum Pressure	22 kPa – 3 kw
Operating Voltage	380 VAC (Standard) 220 VAC (Optional)
Power Consumption	22 kw
Dead Weight	3.5 tons
Length of Loading Tape	8/10/12 meters (Optional)
Length of Vacuum Tape	4 meter
Dimensions	Height 3.3 m Width 2.7 m Length 8.4 m



Packaging Weight
25-50 kg

Hourly capacity
4 – 6 tons

Weighing tolerance
%2

Compressor Capacity	300 lt / 8 bar
Vacuum Pressure	22 kPa – 3 kw
Operating Voltage	380 VAC (Standard) 220 VAC (Optional)
Power Consumption	22 kw
Dead Weight	1.3 ton
Length of Loading Tape	8/10/12 meter (Optional)

Accurate Weighing, Quality Labour, Fast Service.

INDUSTRIAL SCALES

INDUSTRIAL SCALES

INDUSTRIAL SCALE

- 30x30mm Profile Chassis
- 2mm Static Sheet Pan
- Digital indicator
- Capacity: 150kg-300 kg
- Dimensions: 50x60cm, 70x70cm
- LCD indicator panel
- Keypad is analog system and is not affected by dust, moisture
- External Calibration
- Weighing – Tare (Tare to check)
- Electric and cordless (60 hours)
- Stainless Steel Support and Column
- Iron Inner Chassis

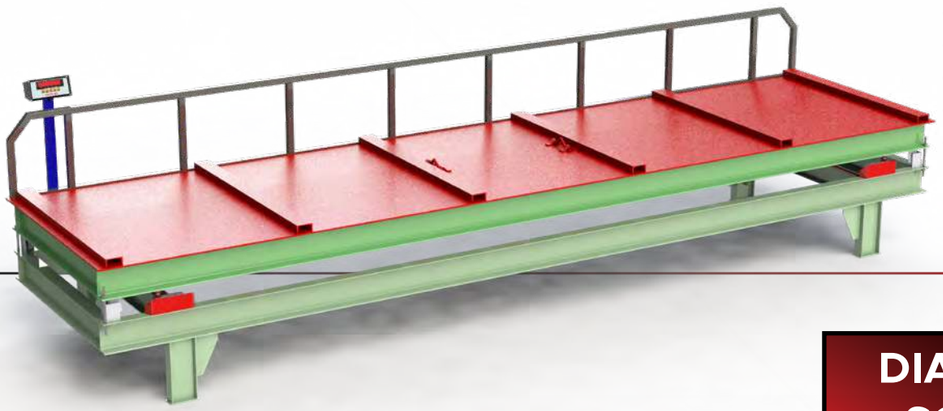
BLOCK MARBLE SCALE

- NPU Rolled Iron Chassis
- 10 mm top sheet
- Digital display printer
- Dimensions: 300cm x 200cm, 240 cm
- Capacity: 30 tons – 40 tons
- Weighing and taring up to full capacity
- Electrostatic painted scale
- With bottom table
- 1 kW UPS
- Entering tare manually
- Feature of counting
- LED display screen
- RS232 PC output

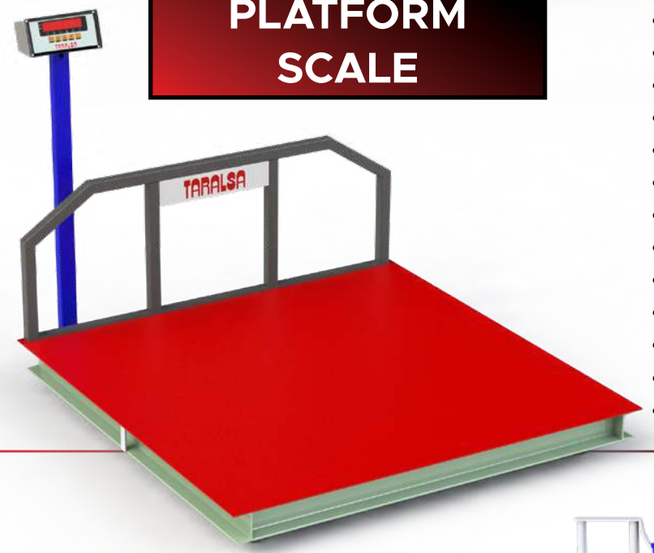
- Weighing and taring up to full capacity
- Showing the total weighed scale and the total quantity
- Dimensions: 150cm X 300, 400, 600cm
- Bottom Table Capacity: 1,5 tons - 10 tons
- Fixing weighing, keeping last weighing in memory
- Electrostatic painted scale
- Special purpose 200 grams or 100 grams precision

BLACKSMITH SCALE

- NPU Rolled Iron Chassis
- 4mm - 8mm Top Sheet
- Digital Printer Display
- Entering tare manually
- Led display screen
- Counting feature
- RS 232 computer output



PLATFORM SCALE



- NPU Rolled Iron Chassis
- 4 mm sheet
- Capacity: 500 kg – 10 tons
- Dimensions: 100cm x 100cm
- Choice of single and double chassis
- LCD and LED indicator
- Electric and Cordless (60 hours)
- External Calibration
- Weighing – Tare (Tare to check)
- Pan Type Platform, High Trench, High Column
- Impact Resistant Chassis
- Optional Stainless Platform
- Optional Complete Stainless

DIALYSIS SCALE

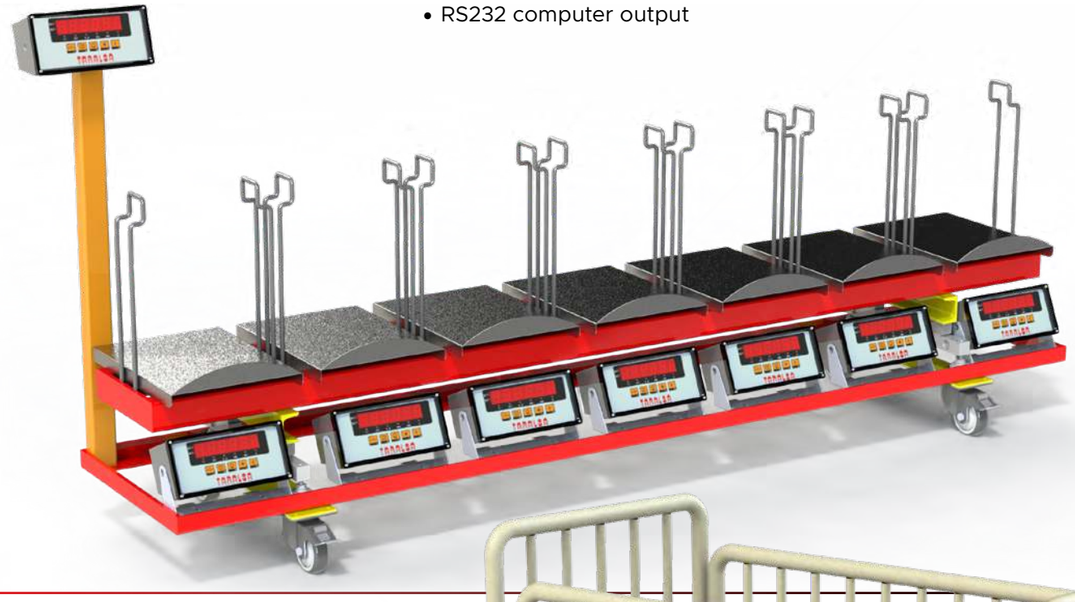
- LCD Screen, counting feature
- Automatic Tare
- Capacity : 300-500 kg
- Chassis Size: 70 × 70 cm
- Division: 100 gr
- External Printer Output
- With Electricity or with Battery
- Optional : Rs 232 PC Output
- Optional : Double Indicator
- Optional : Stainless Platform and Chassis

LIVE ANIMAL SCALE (SHEEP)

- NPU Rolled Iron Chassis
- 2,5mm Checkered Sheet
- Capacity: 200 kg
- Dimensions: 50cm x 90cm

PORTION SCALE

- LCD Screen
- Tare Feature
- Scale Dimensions: 50x50x40 cm
- Total Dimensions: 300x70x110 cm
- Wheel table
- 600 kg Total capacity
- 20g Sensitivity
- Electrostatic Oven Painted Platform
- 5, 6, 7 individual scales options
- 120 hours charged
- RS232 computer output



LIVE ANIMAL SCALE (CATTLE)

- NPU Rolled Iron Chassis
- 2,5mm Checkered Sheet
- Capacity: 1,5 tons
- Dimensions: 100cm x 200cm
- Usage of other purpose weighings
- It provides weighing control as visual and sound warning with limiting function.
- One OIML certified loadcell with capacity of 1000kg is used at each corner
- Optionally, a wheel or a drawbar can be added.
- Number one quality of checkered sheet is used (in order to prevent sliding of animal)
- Height from ground is 10cm (no need for a ramp)
- The scales are surrounded on 4 sides by a robust cage system. It has two doors, right and left.
- Scale is portable.

Accurate Weighing, Quality Labour, Fast Service.

INDICATORS

B3K WEIGHING INDICATOR

Main features of B3K Weighing Terminal are; compact solution containing weighing indicator and application software inside, simple usage, nice visual interface which is easy to learn, operation system crash and virus resistant, secure operation system, software changes facility specific to your applications, smooth shutdown feature in case of power failure thanks to its lithium polymer battery, support of RS-232&485, input-output ports, support of wired/wireless network, contactless smart card reader, IP camera options, option to report the scales on the device simultaneously from the internet (www.kantar.biz), to receive reports from your browser with embedded web server, to save your reports as an Excel file and the integration of plate reading with ANPR camera.

B3T WEIGHING TERMINAL

B3-T series weighing terminals are compact devices designed for your various weighing applications without the need of computers. Thanks to the included custom-built operating system, it does not catch viruses like windows and does not crash.

Our terminal is a reliable solution for your weighing tasks supporting the features such as various connection options, multi-language support, extensive weighing memory, summary and detailed reporting. There are 6 digits bright red led indicator, standard external display and serial communication interface in the terminals used in truck and lorry weighbridge applications.

There is a lightning protection at the loadcell input. It has the ability to work smoothly in all industrial environments with its IP 54 protection stainless steel structure. Built-in software of terminal structure shows the best healthy performance in industrial conditions with the structure of absorbing external virus or usage mistakes.

Digital vehicle weighbridges are more durable than analogue systems and error probability is very low in terms of performance. Corner load errors are eliminated after the correct installation of mechanical parts in digital vehicle weighbridges. The working principle of the system is such that each load cell and errors are checked at any time thanks to the load cells connected to the system by data transmission.

The microprocessor inside the load cell continuously measures all the voltage and provides the adaption of operating temperature affecting microprocessor load cells voltage, nonlinearity, hysteresis and sensor errors according to normal operating conditions to get the most accurate weight measurement possible. Digital vehicle weighbridges are designed for use in any environment with leading unmatched performance and tough conditions.

MATRIX-II DIGITAL INDICATOR

B3 WEIGHING INDICATOR

The B3 series weighing indicator is basically a desktop type for weighing applications. 6 digits bright red led indicator, standard USB and serial communication interface exist on the indicator used in standard truck and lorry weighing applications. There is a lightning protection at the load cell input. Indicator has the ability to work smoothly in all industrial environments with its IP 54 protection class stainless steel structure.

Weighing data can be integrated into the desired peripheral units with communication units such as RS-232 (standard), RS-485, Ethernet & etc. which are optionally added to our indicator. In addition, the B3 series weighing indicators are equipped with an External Display output as standard on it.

B3TX WEIGHING INDICATOR

B3TX is a device that can perform your weighing applications. It includes an approved weighing indicator (B3) and an operating system (Android) that runs your application. To use the device simply connect a monitor, keyboard, mouse and a printer.

Main features of B3TX Weighing Terminal are;

- Compact solution inside weighing indicator and application software together,
- Visual interface which has simple usage and easy to learn
- Protected software that is resistant to operation system crash and viruses,
- Software changing facility specific to your applications,
- Smooth shutdown feature in case of power failure thanks to its lithium polymer battery,
- Connections: RS-232, RS485, wired/wireless network, contactless smart card reader, IP camera options,
- Option of reporting the scales on the device simultaneously from the internet (www.kantar.biz),
- To receive reports from your browser thanks to embedded web server,
- To save your reports as an Excel file
- Integration of plate reading with ANPR camera.

LOAD CELLS

+90 332 345 06 00

TARALSA provides the most suitable and alternative load cell group for your applications. You can perform successful projects by using the load cells safely recommended by our weighing technologies expert staff for your applications. Our load cell group are platform load cells, hanger type load cells, printing type load cells, digital load cells, flat load cells and silo-tank weighing modules.

As well as its own brand, TARALSA also serves as the Turkey distributorship of the leading load cell manufacturers in Spain; Ascell and Utilcell. TARALSA uses its own load cells in its routine production services which offer high quality and durability. Besides this Ascell and Utilcell brand load cells are also used according to customer demands. All the load cells we produce and import are OIML and CE certified and are supplied to the domestic market in accordance with customs legislation.

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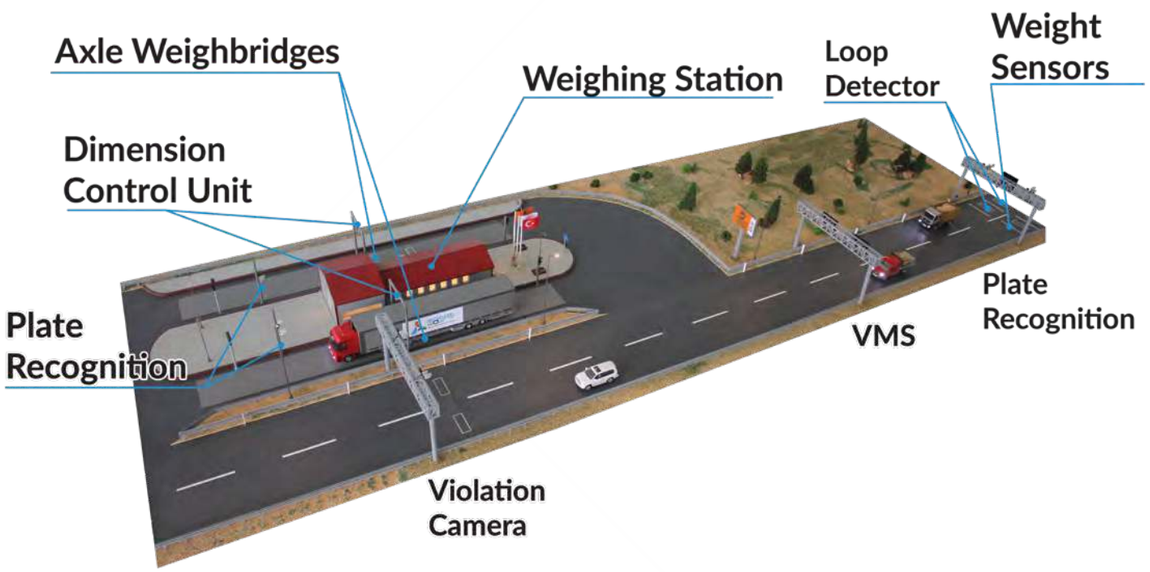
SOLUTIONS

WEIGH IN MOTION SYSTEM WITH PRIOR NOTICE (WIM)

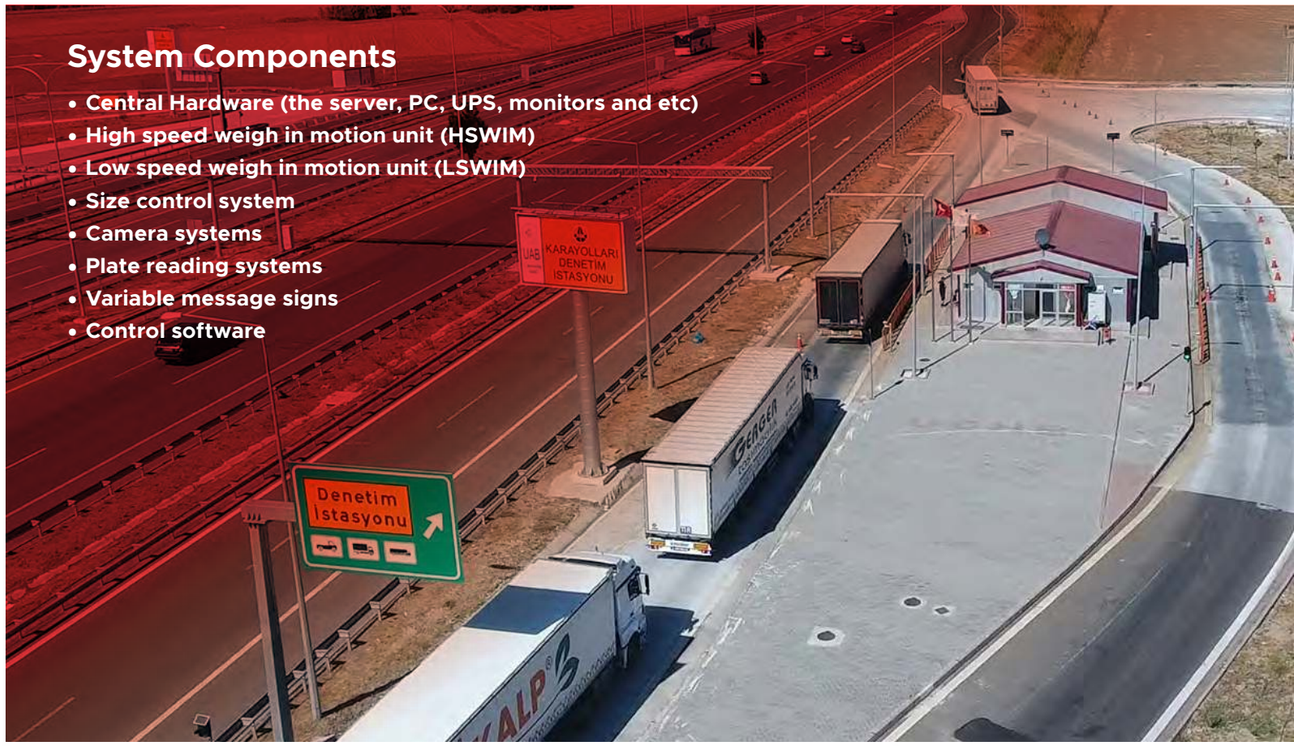
The system aims for trucks, tow trucks, tankers, buses, minibuses, vans and such heavy transport vehicles to make transports at proper weight and size by means of the controls made by the modern stations installed in different regions. System works with the integration of the information network structures of state institutions.

Weigh in motion with prior notice system prevents especially the deterioration of roads, rapid wear of vehicles under excessive tonnage and therefore prevents traffic accidents due to that reasons. Other important gains of the system are preventing unfair competition and encouraging the drivers to act in accordance with the rules. Besides, the vehicles of which weights are below the critical level are provided without entering the station and directly kept going on the way. Thus drivers' time wasting is prevented and also fuel save is provided.



System Components

- Central Hardware (the server, PC, UPS, monitors and etc)
- High speed weigh in motion unit (HSWIM)
- Low speed weigh in motion unit (LSWIM)
- Size control system
- Camera systems
- Plate reading systems
- Variable message signs
- Control software



High Speed Weigh in Motion System

High speed weigh in motion system is generally used for prior notice of low speed weigh in motion system. HSWIM system is consisted of quartz weight sensors placed on the roads which have high stability and endurance, loop detectors, plate recognition systems, variable message systems and control cabinets.

Axle and gross weights of heavy shipping vehicles are detected with high accuracy and summarily and weight and axle numbers/groups information of vehicles can be obtained by this system. So that vehicle types are classified and compared with legal weight limits correspond to those types.

Vehicles that are detected as over weight limits in consequence of evaluation are recorded by means of plate recognition and camera systems. For more sensitive measurement, message of entrance to low speed weigh in motion station placed at roadside is announced on variable message system. On the other hand, message of keep going by not entering to roadside station is announced on variable message system for vehicles that are not over weight limits. So that by allowance of vehicles for keep going, vehicle jam in roadside stations are prevented. This situation prevents drivers' time wasting and provides fuel savings.

QUARTZ HIGH SPEED WEIGHT MEASUREMENT SENSORS

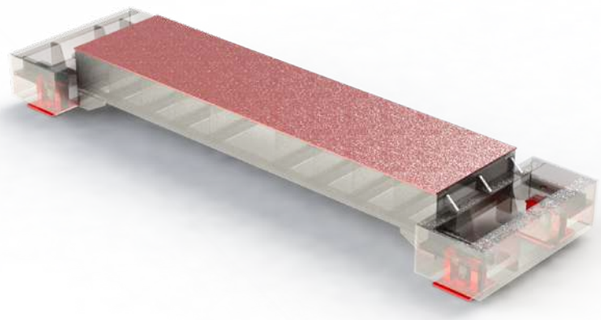
- High sensitivity with %2,3 error rate (Akıncılar WIM Project)
- Quartz technology
- High measuring accuracy
- Long-term stability
- Compatible with OIML R134 (accuracy class D2)
- Wide measuring range
- High speed weighing
- Protected against temperature fluctuations

Low Speed Weigh in Motion System

Weighing system under low speed travel is used at public authorities roadside control stations where high accuracy weight measurements are required. Prior notification system is the supporting structure to low speed weigh in motion system. Low speed weigh motion system can be also used separately indeed.

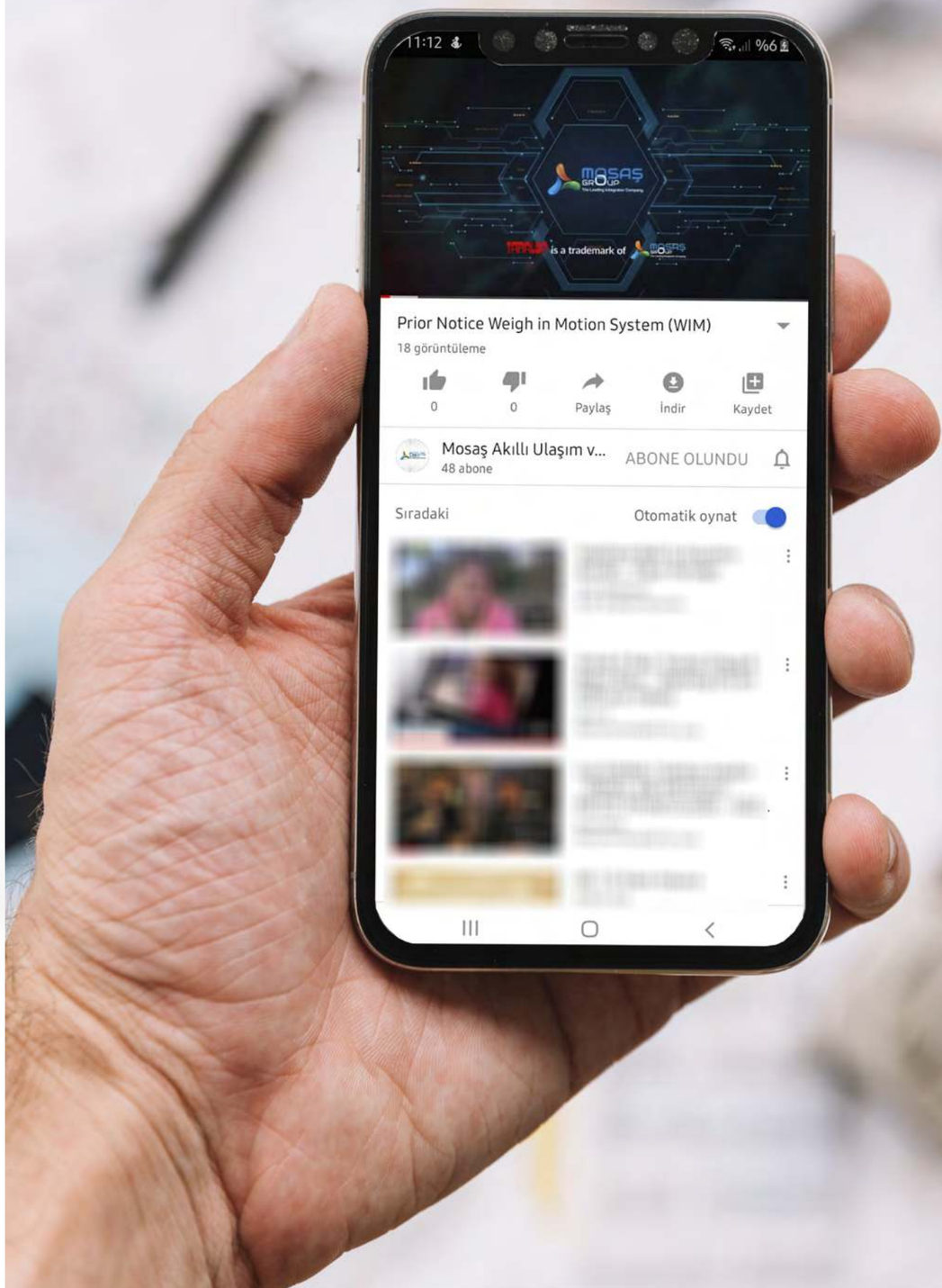
Axle weighbridge is the unit of low speed weigh in motion system where the axle weights and gross weights of vehicles are determined. Weighing operation is realized automatically while the vehicles are in motion at low speed limits.

Loop detectors, plate recognition systems, camera systems, laser scanners that make sizing, indicators, control cabinets and software components exist in low speed weigh in motion system structure.



Weight, plate number and dimensions of vehicles entered to control station are measured and determined if they are over or below legal limits by means of control software. According to this determination penalty actions are taken automatically against vehicles.

Scan the QR Code and Watch The System Video !



TARALSA brand INTAK system which is suitable for use in companies which need serial weighing facilities offers many advantages. Automatic identification of vehicles is provided through the system and weighing operations are performed without the need of any operator for ticket operations. It will shorten the waiting time of vehicles and as a result efficient use of fuel. Since there is no operator in the system, operator-based errors are eliminated. System offers integration with different software.

Compliance with industrial conditions provided by the Android operation system that exist inside B3TX weighing terminal enables the system to work for many years. Embedded ANPR number plate reading camera and integration of the Android operation system offers more and more advantages when compared to automatic number plate solutions of other company's in sector. Certainly, the structure does not allow the system to malfunction by user errors and enables safety at first by integration of OPOS and B3TX.

95% Plate Reading Rate

Plate reading for single and double direction (front and rear)

Image record of the vehicle of which the plate is read

Reading of multiple country plates

Improved reporting system

Integration of OPOS and B3TX which provides the medium where the occurrence of errors on Windows operating system and its users and loss of data is not occurred, where no hesitation during the lifespan of system thanks to its robust structure eliminates the possibility of hesitation of your vehicle scale.

OPOS detects vehicles coming out on the scale thanks to the license plate reading cameras operating in one or two directions. The identified vehicle license plates are saved onto the B3TX database together with the date/time, Camera ID, license plate data and vehicle image. The last plate number read by the system which is queried in B3TX database determines the input mode of the vehicle for first or second weighing. The plate reading system is integrated in Manual Weighing mode.

www.**taralsa**.com.tr | **taralsa**@**taralsa**.com.tr

Büyükkayacık OSB. 422.sok. No:13, 42050 Selçuklu/Konya/TÜRKİYE

444 8 142

+90 (332) 345 06 56

+90 (332) 345 06 00