



ROAD TRUCK SCALES

Scales for generations

The „Miary i Wagi” company was established in 1956.

At the beginning of its operation, the company focused on providing mechanical scales' maintenance services around the town of Brzeg, Poland.

Over 1995-1999 the company was transformed into a business dealing with maintenance of electronic scales. Since 2003 the main and dominant area of the company's activity has evolved around production and sale of electronic truck scales.

Thanks to the investments made over 2004-2005, the company was able to move its headquarters to Skarbimierz- Osiedle, but more particularly, the company could develop mass-scale production as well as launch new products and services.

The highest quality of scales manufactured by the company has been confirmed by a certificate granted by a renowned Notified Body as to the system of production quality and final products' inspection (Certificate of Quality System No. 0513-SJ-A002-15).



z wyrazami szacunku
firma Miary i Wagi

FIXED TRUCK SCALES



OVERRUN TRUCK SCALES



PIT TRUCK SCALES

PORTABLE TRUCK SCALES

WITH NO FOUNDATION OR WITH PORTABLE FOUNDATIONS



SCALE ELECTRONIC SYSTEMS AND
SOFTWARE

AUTOMATED WEIGHING SYSTEMS
CROP LABORATORIES





OVERRUN TRUCK SCALES

PRODUCT DESCRIPTION

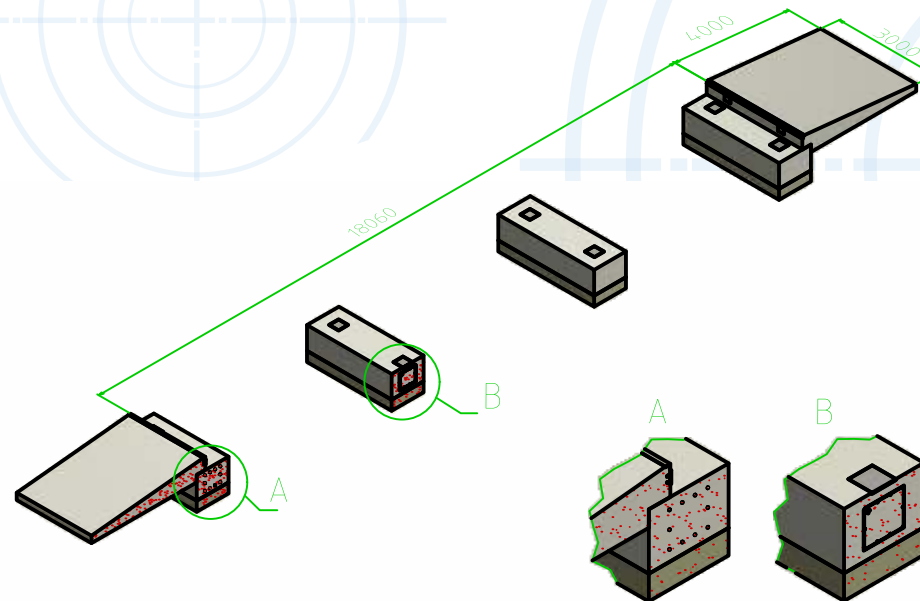
The scale is elevated above the road level. It is the most popular solution, easy and quick to install. Thanks to the elevation, drivers are particularly careful while driving on the scale, without making any sudden or careless movements, which in turn, enhances long life of the electronic measuring systems.

WEIGHBRIDGE CONSTRUCTION

All types of weighbridges, from the heaviest ones, made of reinforced concrete, to the lighter steel ones, are a perfect choice.

ADVANTAGES

- Low cost of ground preparation
- Convenient access to sensors
- There is no need to discharge rainwater
- Simplified maintenance
- Everything is above the ground level



MODELS: COMPACT – CLASSIC – STRONG

PIT TRUCK SCALES

ADVANTAGES

It saves more space

It is integrated in the manoeuvring sites

A reliable solution for heavily built-up areas

It provides a convenient entry and exit from the scale

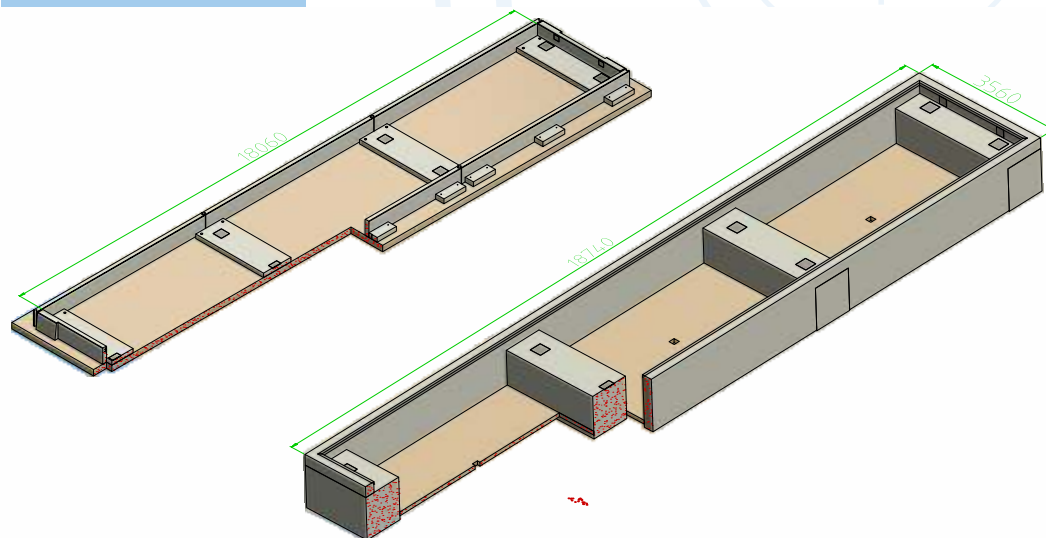
PRODUCT DESCRIPTION

The scales are mounted at the road level. Weighbridges located in a pit allow drivers to manoeuvre safely. It is a comfortable and long-lasting solution, usually installed in new plants. Furthermore, it is often used as an upgrade of already existing weighing systems.

The scales are available in two versions: a shallow pit with prefabricated walls or a deep cast pit.

WEIGHBRIDGE CONSTRUCTION

Heavier types of weighbridges, i.e. made of reinforced concrete or steel-and-concrete are the best solutions.



MODELS: COMPACT - STRONG







PORTABLE TRUCK SCALES

PRODUCT DESCRIPTION

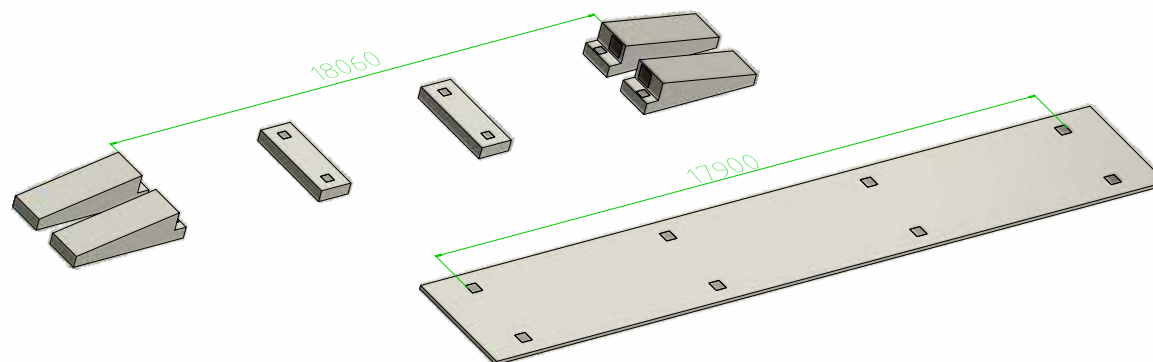
Portable scales are elevated above the ground level. These scales mean a light and modular structure, designed to weigh heavy duty vehicles wherever there is a need. It is a perfect solution for quick disassembling and assembling in a new site. The version with portable foundations allows to mount scales outside hardened sites. The non-foundation version is to be mounted on the existing substructure having the parameters of a road.

WEIGHBRIDGE CONSTRUCTION

Highest quality constructional steel, laser-cut modules.

ADVANTAGES

Perfect solution for temporary sites
To be mounted on existing substructures
Construction works – none or reduced to minimum
Unloading and mounting without the use of a crane



MODELS: UNITED, CLASSIC

Types of trucks – dimensions, load-carrying capacity of truck scales

Weighbridges are manufactured in modules of standard lengths: 6m, 7m, 8m, whereas the default width is of 3m.

Production capacities allow to manufacture a weighbridge of any dimensions, e.g. 12.96m x 2.94m.

For the purpose of special trucks, the weighbridges of the width of 3.5 m or even 4 m are often manufactured.



TYPES OF TRUCKS



2-axle truck

6m



Solo

7-8m



Semi-trailer truck

12-14-16m



Set with a trailer

18m

| VEHICLE TYPE | ZWEIGHING RANGE | SCALE | LENGHT |
|--|-----------------|----------|-------------|
| CARS, SIDECARS, BUSES | 15T | 5 kg | 4.5m 6m |
| SOLO, GARBAGE TRUCK | 30T | 10 kg | 7m 8m |
| SEMI-TRAILER TRUCK, U-SHAPED TIPPING TRAILERS, CURTAINSIDERS | 50T | 20 kg | 12m 14m 16m |
| SET WITH A TRAILER | 60T | 20 kg | 18m |
| SPECIAL VEHICLES | 80-100T | 20/50 kg | 20m 24m |

MODELS OF SCALES

COMPACT



STRONG



CLASSIC



UNITED



High measuring stability

The COMPACT truck scale consists of a weighbridge and a digital measuring system. It can be a perfect choice for both an overrun and pit truck version.

The weighbridge of the COMPACT truck scale is a steel-and-concrete structure, which guarantees a high stability of measurements and resistance to environmental impacts. The steel part of the structure consists of a frame made of IPE profiles, whereas filling and surface are made of C35/45 W8 F150 concrete, fulfilling the following standards PN-B-03264/2002, DIN 18203, PN-EN 13369F150.

The measuring accuracy is ensured by a measuring system, made of a set of rustproof load cells, as well as a weighing scale indicator no. 3590 with a touchscreen.

As soon as the COMPACT scale is activated, Conformity Assessment (legalization) is performed, i.e. a legal confirmation of the scale's correct calibration and authorisation for its use for commercial purposes.







STRONG



Designed to cater for even the most demanding clients

A monolithic, prefabricated structure of the weighbridge is able to sustain many years of work with even the heaviest loads.

A perfect solution in a pit truck scale version and premium class among overrun truck scales.

The weighbridge of the STRONG truck scale is a reinforced concrete structure with the right amount of reinforcement and unique concrete mixture.

The entire structure is prefabricated in a special mould, with the use of bridge concrete of the following parameters: C35/45 W8 F150.

The ready-to-use prefabricated structure meets the requirements of the following standards: PN-B-03264/2002, DIN 18203, PN-EN 13369F150.

The robust structure is complemented by a set of rustproof load cells as well as a weighing scale indicator with a touchscreen.

Before the STRONG scale is put into service, Conformity Assessment (legalization) is performed, i.e. a legal confirmation of the scale's correct calibration and authorisation for its use for commercial purposes.



Simplified assembly and safe use

The CLASSIC truck scale is a steel structure enabling a simplified assembly and safe use. Its use is highly recommended in the over-run scale application.

The weighbridge of the CLASSIC truck scale consists of steel sections and open profiles. The main frame of this structure is manufactured with the use of HEB or HEA profiles. The external non-slip layer is made of 8mm thick chequered plate. During the production process, the scale is subjected to blasting and coating in a spray booth.

The measuring accuracy is ensured by a measuring system composed of a set of rustproof load cells and a weighing scale indicator no. 3590 with a touchscreen.

The CLASSIC scale delivery includes the Conformity Assessment (legalization), i.e. a legal confirmation of the scale's correct calibration and authorisation for its use for commercial purposes.







UNITED



Module scale – light and mobile

The UNITED truck scale is a modular steel structure, light and handy, ideal for convenient assembly. This scale has also been tested for intensive operation in difficult conditions. It is an ideal and recommended solution to be used as a portable scale.

The weighbridge of the UNITED scale includes special laser-cut steel profiles. The entire structure resembles building blocks – i.e. two types of elements, namely the drive and the weighing modules.

The external non-slip layer is made of 8mm-thick chequered plate. During the production process, the scale is subjected to blasting and coating in a spray booth.

The highest operating quality is ensured by a measuring system made of a set of rustproof load cells as well as a weighing scale indicator with a touchscreen.

The UNITED scale delivery includes the Conformity Assessment (legalization), i.e. an official confirmation of the scale's correct calibration and authorisation for its use for commercial purposes.





Scale electronics

only European products of the highest quality

Digital or analogue load cells, designed by Sensocar, have been carefully made of stainless steel, by an experienced team of specialists for 25 years. The load cells are laser-welded, their protection level is up to IP69K. They are reinforced and protected against atmospheric discharge. OIML accuracy class III, maximum number of scale intervals: 6000.

The 3590 Touch weighing scale indicator is the heart of the scale. Being a precise digital device, it is manufactured according to the newest technologies, in order to ensure a rapid and precise readout of the scale.

Thanks to the use of touchscreens, the scale indicators are distinguished by their simple operation and ability to fulfil various requirements.

Selected applications and functions:

- servicing additional devices: barriers, light signalling devices,
- Hi-Res view,
- weighing while entering and exiting the weighbridge,
- registering weighing operations, products, business partners and suppliers.

A 5,7" (120x90mm) colour touch screen which one can operate while wearing gloves.

They are also available in the EX version, to be used in explosion hazard areas.





Vehicle weighing system for truck scales:

1. Camera to recognize vehicle plate numbers
2. LED display
3. Light-sigalling system
4. Barrier
5. Infrared barriers
6. Self-service terminal for drivers

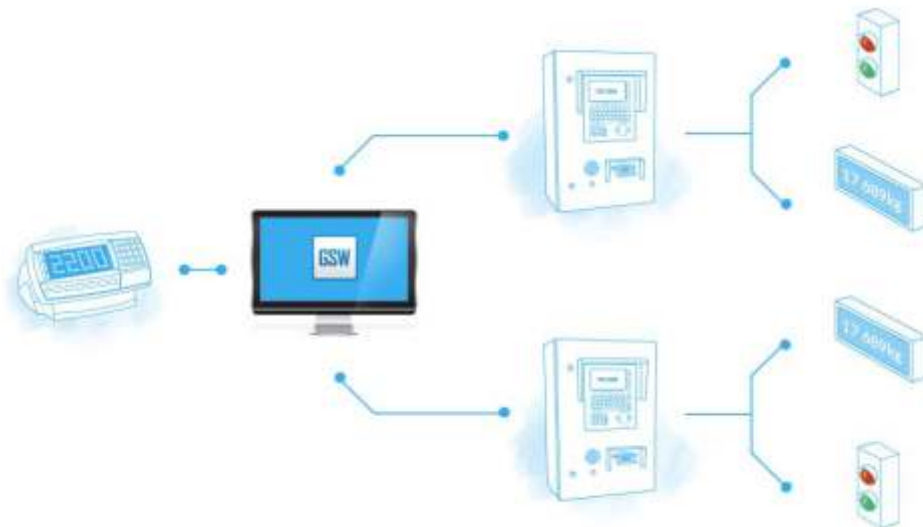


WEIGHING SOFTWARE



- 100% reliable operation throughout the whole period of use, regardless of the collected data quantity
- Smooth network operation
- Clear users' interface
- Simultaneous operation of as many as 12 analogue and/or IP cameras at the same time
- Graphic editor of weighing tickets
- Sophisticated report generator
- Data importing and exporting
- Possibility to integrate with master ERP systems (SAP, MS Axapta, MS Navision, CDN XL)
- Access to data via the Internet
- Co-operation with self-service terminals

AUTOMATED WEIGHING OPERATIONS



- Co-operation with self-service terminals: STX 4000 and STX 5000
- Servicing RFID card readers: STX-1000 and STX-2000
- Control over road signalling devices and barriers
- Recognizing vehicle plate numbers
- Scale operation monitoring (recording the presence of mass on the scale)





Miary i Wagi Sp. z o.o.

ul. Wierzbowa 23

49-318 Skarbimierz - Osiedle

tel. +48 77 411 39 28, 77 544 96 91

e-mail: biuro@miary-wagi.com.pl

www.miary-wagi.com.pl



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