

An aerial photograph of a large industrial truck scale. A yellow truck is positioned on the scale's platform. The scale is a long, rectangular concrete structure with a metal grate on top. The surrounding area is paved asphalt with white lane markings. In the background, there are some industrial buildings and another white truck.

**TAMTRON**

WEIGH TO KNOW

# TAMTRON SCALEX 1001 TRUCK SCALE

Designed for heavy-duty use, this truck scale with a concrete foundation weighs vehicles with excellent accuracy, facilitating weigh-based invoicing of materials being moved, as well as reliable material flow monitoring and reporting.

- ▶ Approved for commercial use
- ▶ Accuracy 0.1%
- ▶ Durable and long-lasting scale designed for outdoor use

**Built on a concrete foundation, the Tamtron Scalex 1001 truck scale is designed for heavy-duty and constant weighing of heavy vehicles.**

The scale is often used at traffic-heavy sites, such as factory gates or loading stations, or during different phases of industrial processes. The Scalex 1001 truck scale is a reliable solution that will last decades. The foundation of the scale is always designed so that the customer's activities and conditions are taken into account in an optimal way. The weighing information can be transferred electronically from the scale for business use.



The Tamtron Scalex 1001 truck scale enables the accurate weighing of vehicles up to 120 tonnes, making the scale also suitable for weighing jumbo trucks. Even heavier vehicles can be weighed with tailored truck scale solutions that are used outside road traffic for purposes such as mining and timber industry needs.

## **SCALE BRIDGE IN ACCORDANCE WITH THE CUSTOMER'S NEEDS**

To ensure optimal functionality, the Tamtron Scalex 1001 truck scale system is tailored to suit each customer's needs. Scale bridges are available in standard and customer-specified lengths.

- ▶ **Standard bridge lengths: 12 m, 24 m and 26 m**
- ▶ **Standard width: 3 m**

The Tamtron Scalex 1001 truck scale can be implemented as a one-part or two-part solution. The one-part scale solution is suitable when vehicles are primarily weighed as a whole and there is no need to separate the weight of the tractor and the trailer.

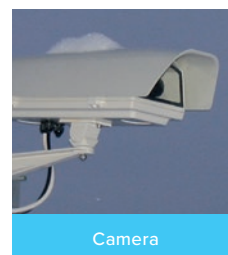


The two-part scale consists of two separate 12 or 13 m scale segments that are installed in tandem. With the two-part scale, a semi-trailer truck can be weighed as a whole or with the tractor and the trailer weighed separately. The semi-trailer truck parts are weighed and the weights are separated simultaneously without moving the vehicle.

If necessary, the segments of the two-part scale can serve as each other's temporary spare units during disruptions, such as maintenance or cleaning. The scale's correct functionality can be ensured between periodic verifications by comparing loads weighed by the scale segments.

## **WEIGHING INFORMATION MANAGEMENT**

The Tamtron Scalex 1001 truck scale can be delivered as a partly or fully automated weighing system, in accordance with the customer's needs. The weighing information is managed with the Windows-based Scalex truck scale software, which features programs for various uses and environments, such as ScalexEKO for waste management facilities and ScalexPRO Energy for power plants. Versatile reporting features are an integral part of all Scalex truck scale software programs.



### **FULLY AUTOMATED WEIGHING SOLUTION**

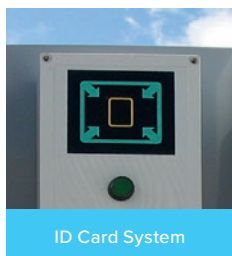
In the fully automated scale solution, the truck scale is equipped with cameras that identify the vehicle or the license plate and integrated into the transportation control system used by the company. All the driver has to do is drive the vehicle onto the scale bridge, and the information about the vehicle's weight is forwarded to the company's system to be used for business purposes.



## OVERALL SOLUTION IN ACCORDANCE WITH THE CUSTOMER'S NEEDS

The truck scale solution is always tailored to suit each customer's needs. The overall solution can include additional features, such as:

- ▶ Booms
- ▶ Traffic lights
- ▶ Scale bridge heating
- ▶ Driver terminal
- ▶ ID card system
- ▶ Large monitors
- ▶ A license plate identification function
- ▶ A vehicle description function
- ▶ A telephone hotline system
- ▶ Radiation gates
- ▶ ATEX certified systems, such as load cells and junction boxes



ID Card System

### PARTLY AUTOMATED WEIGHING SOLUTIONS

Instead of a fully automated weighing solution, the truck scale can also be used through a computer, ID card system or driver terminal at the weighing station. In this case,

the weighing information transfer method is determined in accordance with the customer's individual needs.

At its simplest, the scale program can be used on the weighing station **computer**, whereupon the driver drives the vehicle onto the scale bridge and walks to the nearby computer, fills out the preliminary information and carries out the weight reading with the computer connected to the scale instrument.

**The Scalex ID card system** is the simplest way to automate the truck scale solution. Weight reading and ancillary information registration are carried out by showing a programmed ID card to the reader installed by the scale bridge while the vehicle is on the scale. The ID card system can also be complemented with additional features, such as access control and gate opening functions.

The Scalex 1001 truck scale system is often complemented with a **driver terminal**. The functions of the driver terminal are selected in accordance with the customer's needs. The weighing and vehicle information are registered by the driver, either manually by using the terminal keyboard, or by showing an ID card to the card reader on the terminal. Depending on the specified needs, the weighing event either produces a printed receipt for the driver, or the weighing information is transferred electronically into the company's ERP or other system. If necessary, the weighing information can also be transferred onto the in-vehicle computer of the truck being weighed.



Driver Terminal



# INTERNATIONAL WEIGHING INDUSTRY PROFESSIONAL

Tamtron is an advanced product manufacturer and weighing information management service provider in the weighing industry that is committed to high-quality and responsible service. The company's success is based on the ability to produce some of the most innovative and competitive weighing solutions in the industry. The weighing solutions provided by Tamtron make customers' everyday operations easier and more efficient, not only in the transport and logistics industry, but in industries such as manufacturing, harbours, construction and mining, as well as recycling and waste management. The company's ISO 9001:2008 quality certified know-how ensures high-quality deliveries.

The internationally operating company has a turnover of EUR 22 million, and the group employs 140 professionals. The company's main office is in Finland, and it has subsidiaries in Sweden, Poland, Germany, the Czech Republic and Slovakia. In addition to strong domestic trade, Tamtron exports its products globally to more than 60 countries. Tamtron is a reliable partner for demanding weighing solutions with more than 40 years of experience.

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