

# WEIGHING SYSTEMS FOR MATERIAL CONTROL





# GIROPES

## Solutions for all type of installations

Giropes offers comprehensive solutions for the weighing and managing of incoming and outgoing in production plants, farms, warehouses, logistics centers and all kinds of facilities that require weight control for proper product management.



Multiple weighing centers control



Statistical summary



Stock display

## TOTAL CONTROL

### *Record of entries and exits*

With Giropes products, which are specially designed and manufactured for daily logistics in industry and warehouses, you will be able to provide total control over entries and exits of materials from your facilities.

Giropes software is designed to adapt to the facilities and needs of each client and to third-party programmes. This makes it an ideal system to expand on a digitisation level without the cost of programme changes.

### *Depletion monitoring*

The comprehensive monitoring of incoming and outgoing materials provided by the GESTRUCK software allows you to be aware of any product depletion throughout all parts of the process.

Through this monitoring, you can easily detect any wear or loss of material during the process and / or handling, allowing you to quickly and effectively register the weight of incoming, internally transiting and outgoing materials.





## SMART WEIGHING

*Weighing software in all types of facilities and sectors for industry 4.0 global solutions*

## INDUSTRY 4.0

### *We help to improve processes*

The global solution offered by Giropes lets you obtain weighing data at the weighbridge in a fast, centralised and reliable way, providing objective data in real time, reducing the cost of decision-making in company or departmental meetings and increasing the capacity to react to unexpected incidents.

### *We are ready for continuous improvement*

Having objective data is the first step to be able to enter into the Lean Management philosophy and use the DMAIC cycle for continuous improvement. You can only improve what you measure.

### *Centralisation of data onto a single platform*

GESTRUCK can be integrated with ERP's and MES, centralising data onto a single platform.

### *Access management*

Using the GESTRUCK software you can manage and control all access to the production plant, with or without weighing systems and thanks to the ANPR cameras that allow the reading of license plates and the automatic management of control elements such as traffic lights or barriers that will operate automatically.

GESTRUCK stores a record of all accesses, both identified vehicles with license plates stored in its database and new unidentified vehicles, providing full control over the entrances and exits of the facilities.

### *Connectivity between plants*

The CLOUD solution provided by the GESTRUCK software together with the GESTRUCK WEB platform allows the synchronisation of weighing between all the production plants managed by the same company, enabling the control and management of all the installations from the headquarters of the company.





# GESTRUCK

## MANAGE YOUR WEIGHTBRIDGES

“With GesTruck2 the users can register and process, in a quick and efficient way, the traffic in their weighbridges.”



STOCK ZONE  
MANAGEMENT



CLOUD SERVER  
CONNECTION



Our company gives full attention to quality, cutting-edge technology and an important activity in development and innovation to offer the best solutions in weighing equipment for any market.

WEB & APP







*With GesTruck2 the users can register and process, in a quick and efficient way, the traffic in their weighbridges.*

The software offers a complete control of the weighing operations of vehicles, with an easy to understand interface, and which facilitates, above all, the collection of the desired information with the maximum accuracy and quickness possible.

- » Inventory control
- » Management of storage areas
- » Statistical analysis

It supports different installation structures: from the most basic one (only one working station) to complex installations of autonomous systems of weighing management.

#### CUSTOMIZABLE SOFTWARE

- » First and foremost, Gestruck is customizable in many aspects such as filters, data sending, program operation options, assigning roles and users. And it even offers the customization of tickets.



#### CONTROL DEVICES

- » It allows the management of different control devices such as: control Access systems to the scales via barriers, vertical signs, automatic recognition of plate numbers via IP video cameras, proximity card readers, bar code reader, the correct placement of the vehicle in the scale, etc.
- » GesTruck2 is an incremental system which adapts itself to the necessities of every business model. It has different versions which allow it to grow up at the same rhythm that the company does.

## GESTRUCK SLIM | ONE | PRO

### GESTRUCKSLIM

Standard version, easy and mono use. For installations of up to two scales in a weighing zone.

### GESTRUCKONE

Multi-sector version for installations of up to five industrial scales, access and presence control. Installation triels, access control and presence. Installation on a single computer.

### GESTRUCKPRO

Multisectoral version. It allows to integrate all the modules and to accede using a mobile devices. Network installation.

#### MAIN FEATURES

	SLIM	ONE	PRO/GESNET2
Database	SQLite	MySQL (local)	MySQL
Number of users	1	5	indeterminate
Ticket formats	2	5	indeterminate
Number of controllable scales	2	2 a 5, optional	indeterminate



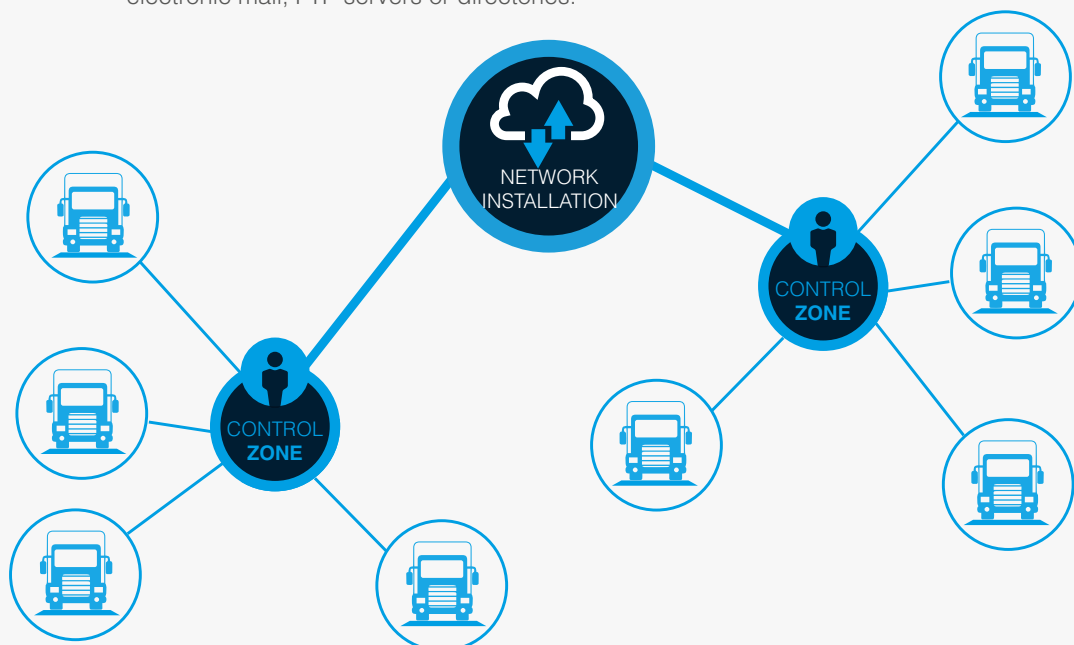


Multisectoral version. It allows to integrate all the modules and to accede using a mobile devices. Network installation.

Exporting the registers of the weighing.

Allows the integration with third-party ERP and MES via webservices.

This module allows the automatic transmission of weighing registers via report format to electronic mail, FTP servers or directories.



#### INTERNAL AND EXTERNAL COMMUNICATIONS

##### ✓ **Identification**

Authentication system via radiofrequency cards, documents with barcodes or QR.

##### ✓ **Digital signature**

Module of digital signature. Digital registry of the signature for documentation.

Tablet of writing \* (It is essential to choose or have one)

##### ✓ **System for data synchronization**

System in charge of synchronizing the data between two or more Gestruck2 workstations or between the software Gestruck2 and the Ges2Web.

\*Display in the browser (via the platform Ges2Web, on request)

#### MODULES PERSONALIZATION

##### **Integration of the system ERP**

It allows the integration with third-party ERP and MES via webservices.  
(previous study necessary)

##### **Development of the product of the display for the costumer**

For other protocols not included in series.

##### **Personalization of the weighing tickets**

Weighing format Ticket

## DYNAMIC WEIGHING MODULE

### AXLE WEIGHING SYSTEM

The low speed dynamic weighing module allows the system to perform axle-by-axle weighing instead of getting the total weight. At the end, a summary of each axis measured is made.

The process can be static or dynamic, for low speeds (up to 5 km/h).



# Modules

## ACCESS/EXIT CONTROL AND VEHICLE POSITIONING MODULES

### FLOW CONTROL SYSTEM

**Vehicle flow control system and placement of vehicles**

**Available devices for flow control and vehicle placement**  
(traffic lights, barriers, inductive loops, light curtains)

### VISUAL INSPECTION

**Visual inspection system (Gestruck PRO only)**

MODULES CCTV contextual cameras

**Devices for the positioning system**

Set camera CCTV

### VEHICLE RECOGNITION SYSTEM

**Systems of automatic license plate recognition (Gestruck PRO only)**

Reading Module camera ANPR/LPR (allows multiple cameras) - Automatic plate reading.

**Devices for visual inspection and vehicle recognition system**

*\*Consult specifications and prices*

Set camera ANPR LPR integrated

### SELF-SERVICE TERMINALS

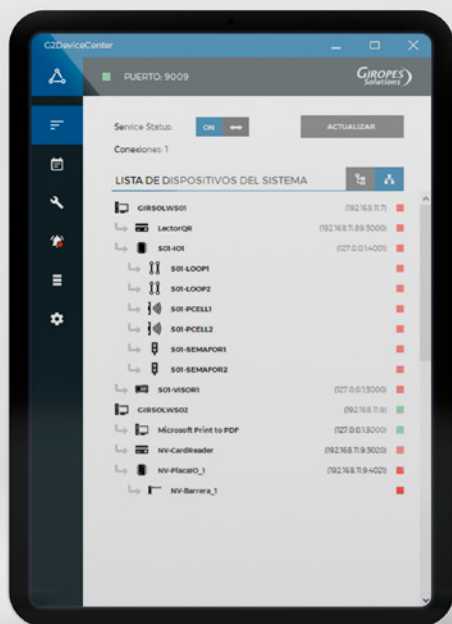
**Terminals for autonomous station**

Module of autonomous weighing terminal management.

Se requiere la activación de este módulo para su control.

**Available self-service terminals.** See terminals section

# Device MONITORING



## G2DEVICECENTER

Communicates with and monitors all system devices (scales, cameras, traffic lights, etc). Facilitating its installation and subsequent control by those responsible for the installation and maintenance. This software is always installed as standard in GESNET or GESTRUCK installations.



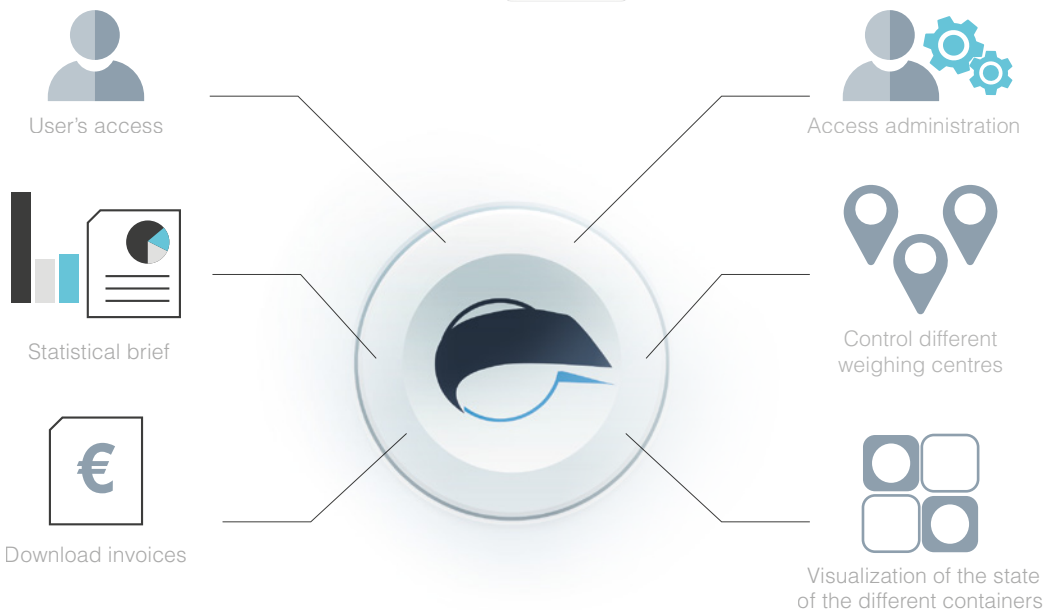




Solución Web del  
GESTRUCK PRO

## CLOUD MANAGEMENT SOLUTION

*Associated with the  
GesTruck2 or the  
application GT2App  
it will allow the control  
of all its production  
plants.*



It enables the management of all the entities which interfere in a weighing process (companies, vehicles, materials, etc.). Associated with the GesTruck2 or the application GT2App it will allow the control of all its production plants.

### ACCESS ADMINISTRATION:

- » Definition of materials
- » Empowerment of vehicles
- » Possibility to control different weighing centres
- » Visualization of the state of the different containers of the centre

### USER'S ACCESS:

- » Visualization of the data of the company
- » Statistical brief
- » Possibility to download invoices

Web & App







*It allows the capture of the weighing  
and send it to the Ges2Web*



Web solution  
GESTRUCK PRO



Quick search of  
vehicles



Weighing  
function

## offline / online

THIS APPLICATION OFFERS THE POSSIBILITY TO USE IT OFFLINE AFTER THE FIRST DATA UPLOAD.  
THE PROCESS IS SYNCHRONIZED WHEN THE LINE IS RESTORED.

Complete management of data collection of the entrances and details of the vehicle.

AVAILABLE IN PLAY STORE FOR TABLETS AND ANDROID MOBILES:

- » This structure, thanks to the mobile and web application, gives the possibility to become the new transportable generation of GesTruck2.

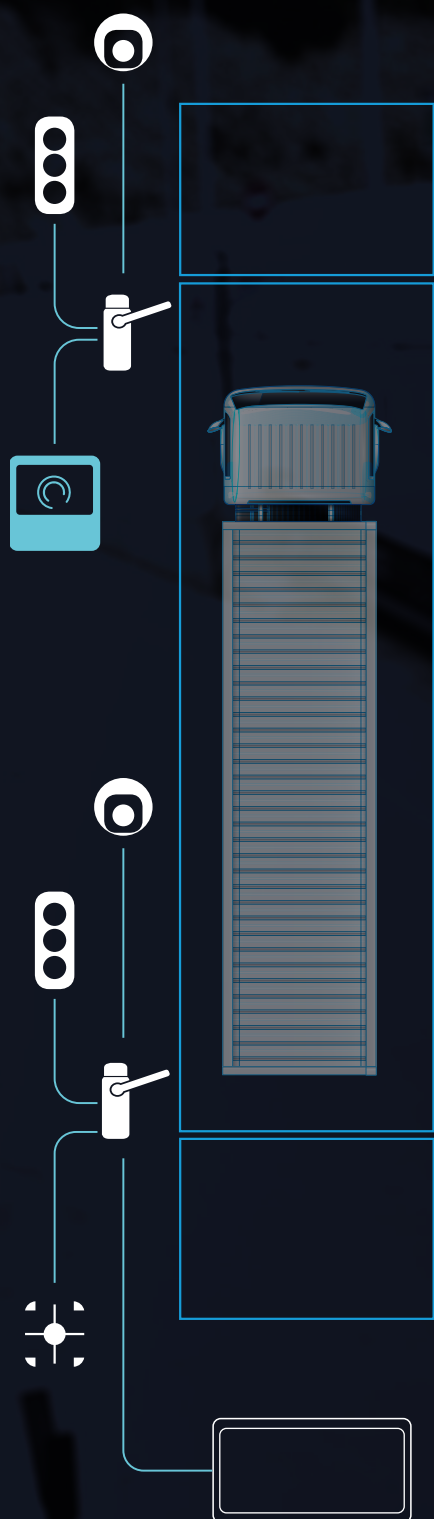
OPERATOR OF THE SCALE:

- » Quick search of users and vehicles
- » Creation of user in the same search
- » Weighing or sharing materials function

Web & App







# AUTOMATION

## IN AND OUT DEVICES

### *TERMINALS & SOFTWARE*

For autonomous or semi-autonomous management of weighing stations by users without the need for a scale operator

### *VISUAL MONITORING*

CCTV and ANPR cameras for visual monitoring through the control panel and license plate reading for entrance and exit management directly through the weighing terminals.

### *TRAFFIC MANAGEMENT*

Traffic lights, barriers, light curtains and inductive loops for traffic detection and management in the weighing area. This allows the efficient control of the scale's inputs and outputs.





## *For all types of industry*

**At Giropes we understand that weighing is an essential function in most sectors, whether it is to keep control of materials, to ensure safety or to improve production processes, among many other functions.**

To this end, we know that a scale capable of recording the weight of the vehicle is often not enough, but that a complete weighing solution is needed that offers autonomy, recording and analysis of the entire process.

That is why in recent years Giropes has made a major commitment to the development of multi-functional indicators, self-service terminals, specialised software and many other products that make it possible to complete an installation in line with the user's needs.

Being able to offer the right solution for every situation has become a company philosophy, expanding the range of products related to weighbridges.



# Software&Terminals

## SELF-SERVICE TERMINALS GST SERIE

“The terminals automate the weighing systems and manage vehicle traffic in the plant, acquiring data from the various access control and weighing devices.

This is all thanks to the software designed and developed by the Giropes Solutions team”.





## “Software & terminals”

*Software for industrial plant management and access control terminals.*



Terminals  
software  
**GST4**

### **G2 TERMINAL**

Weighing process in lorries in a semi-autonomous way, requesting for the interaction of the driver.

**G2**  
terminal



Terminals  
software  
**GST4**

### **ECO TERMINAL**

Weighing process at Green points, such as a semi-autonomous operation, requesting for a minimum interaction of the operator.

**eco**  
terminal



Terminals  
software  
**GST4**

### **G2 TERMINAL NW**

Created to perform in the easiest possible way the weighing process in net weight. The system works in a semi-autonomous way, and it can function together with some little interaction by the weighing operator or the driver.

**G2nw**  
terminal



Terminals  
software  
**GST1-GST2**

### **G2 AUTOMATIC**

It is a completely automatic software which is in charge of weighing without needing the interaction of a working operator. Through this all the devices and modules that intervene in the weighing system are controlled.

**G2auto**  
terminal





## **GST1-GST2 TERMINALS**

*Self-service terminals with integrated RFID reader*

### *INCLUDED*

- » RFID/MFARÉ reader
- » Card management system
- » 2 LED indicators
- » 2 buttons (only GST2)
- » Pantalla LCD (solo GST2)
- » 10 RFID cards

### *OPCIONAL (only GST2)*

- » Interphone\*
- » Barcode reader, includes 2D barcode manager system
- » Alphanumeric Keyboard or alphanumeric anti-vandal Keyboard (override buttons)
- » Thermal printer
- » EMBEDDED system (GESTRUCKPRO Software integrated)

### *VERSIONS*

- » Terminal in painted steel
- » Terminal in stainless steel

*Software for GST1-GST2 autonomous terminals*





## **GST4 TERMINAL**

*Self-service terminals with touch screen*

### **INCLUDED**

- » Touch screen
- » RFID lector cards, Card Manager System
- » Stainless steel visor design
- » 10 RFID cards

### **OPTIONAL**

- » Interphone\*
- » Barcode reader, includes 2D barcode manager system\*
- » Thermal printer
- » Camera
- » Communication 3G/4G

### **VERSIONS**

- » Terminal in painted steel
- » Terminal in stainless steel

*\*It is needed an indoor switchboard: Switchboard with 3 channels, 5 channels or 10 channels.*

*Software for GST4 autonomous terminal*

**G2**  
terminal

**G2nw**  
terminal

**eco**  
terminal



# Access control

## ACCESS CONTROL

### WITH OR WITHOUT A WEIGHING SYSTEM

“The solutions designed by Giropes let you have complete management of the accesses to the waste plant with or without a weighing system, allowing you to control all the vehicles that enter the facilities without the need to be weighed”

### WITHOUT A WEIGHING SYSTEM

#### *Control over the facility's entrances and exits*

**Over the last few years and due to increasing demand, Giropes has developed a comprehensive solution for an industrial plant that allows total control over access points, both with or without a weighing system.**

This solution is ideal for larger industrial plants that need to provide a non-weighing vehicle access to ease the traffic through the weighing system.

This access (which is free from a weighing system) can have CCTV/ANPR cameras with license plate reading, inductive loops, photocell sensors, GST1/GST2 terminals, barriers and/or traffic lights. Thanks to license plate reading, automatic access can be set up for authorized vehicles and, in turn, an operator can keep track of unregistered vehicles accessing the facilities.





## WITH A WEIGHING SYSTEM

### *Full traffic control at the weighbridge*

**The investment in R&D and the growth of the Giropes Solutions division has allowed Giropes to offer a comprehensive solution for the complete management of access to the weighing system, providing specific software, self-service terminals and different control elements that manage the traffic on the scale.**

This solution is ideal for all types of industrial plants that want to have complete control over the vehicles entering the facilities and unloading materials, controlling both access and the amount of materials unloaded thanks to the weight control carried out by the weighing system installed.

It can have CCTV/ANPR cameras with license plate reading, inductive loops, photocell sensors, self-service terminals, barriers and/or traffic lights.





# Successful projects

"Our background supports us"

## WEIGHING STATION FOR FOOD PRODUCT DISTRIBUTION

*Installation of two weighbridges for managing and controlling incoming and outgoing goods*



Giropes has carried out the installation of two BPGSM truck scales in the plant of Font Vella, in the central installations of Sant Hilari Sacalm.

The two weighbridges installed by Giropes, to control the entry and exit of trucks from the facilities, are managed by Gestruck Pro software. Thanks to this software, the company is able to keep a complete record of the vehicles that pass through the weighing system, the product they are transporting and the gross and net weight of this product, among many other features.

Font Vella is one of the main brands of the Danone group; during the last years it has also been one of the most important and more consumed bottled water brands of Spain. It has a history of more than 100 years in the treatment and commercialization of water.

It is a pioneer company in Spain in the recycling of plastic bottles. It has created a recyclable packaging and some part of their production also proceeds from recyclable materials. Thanks to this change the company has achieved to reduce

in a 34% their CO2 emissions during the last years. In that way they bottle water, which is considered one of the best and purest, in sustainable packaging which help to the preservation of our planet. For all that, in 2014 Font Vella received The European Business Awards for the Environment to the Company.

*Font Vella is not only an environmentally aware company but it also has a high level of commitment with different social actions around the world.*

Font Vella water originated, and has its main spring, in the Natural Park of the Montseny, in Girona. Its main installations are placed in Sant Hilari Sacalm, where Giropès has participated in the improvement of the production and bottling plant with the installation of two BPGSM weighbridges to improve the management and control of the entrance and exit of the trucks.



## WEIGHING STATION FOR FRUIT HARVESTING

*Installation of two weighing stations for apple  
harvesting*



Giropes has carried out the manufacture and, through one of its trusted distributors, the installation and automation of two complete weighing systems for the various cultivation and production areas of Giropoma Costa Brava S.L. in Girona.

Giropoma Costa Brava has more than 50 years of experience in the production, preservation, selection and packaging of apples. Part of the PGI Poma de Girona, it is currently one of the largest apple production companies in Spain.

Taking advantage of an environment that provides the ideal conditions for its production, Giropoma dedicates more than 750 hectares to the cultivation of apples. It produces more than 30,000 tons of the fruit, which is distributed throughout the Spanish market and exported to countries such as the United Kingdom, France, Belgium, Portugal and the United Arab Emirates, among others.

*To be able to control the harvesting of its crops, Giropoma opted for the installation of two automated weighing stations with self-service terminals, so that the lorry drivers could operate them independently. As a result, the presence of a scale operator is not necessary.*

The two installations consist of a truck scale installed above ground and two self-service terminals with RFID readers to give the installation a bidirectional function. The management and control of the weighing is carried out using Gestruck PRO software.

Thanks to Gestruck, the company can manage all the data through its weighing stations, allowing it to control the amount of fruit harvested.





**GIROPES**  
WEIGHING SOLUTIONS



[www.giropes.com](http://www.giropes.com) | [Linkedin:giropes-sl](https://www.linkedin.com/company/giropes-sl) | [giropes@giropes.com](mailto:giropes@giropes.com)  
Pol. Empordà Internacional, C/Molló 3 | 17469 VILAMALLA- (Girona) ESPAÑA | T(34) 972 527 212