

# GI4XX SERIE



**WE CONTINUE  
IMPROVING OUR  
COMPACT INDICATOR**  
GI4XX SERIE



# UPDATE

## INDICATORS FUNCTIONS

*"Much more than a tare-weight"*



# GI400-410



### DOUBLE CHECKWEIGHER FUNCTION

This function allows us to use the checkweigher mode with two non-overlapping 'OK' zones, in order to check two products without changing the PLU (Product Look-Up) on the indicator.



### INITIAL AUTO-TARE + CHECKWEIGHER

This function allows us to perform the checkweigher function if it is being assumed that the containers may have different weights. This may be the case with pallets or wooden crates. With this function activated the weight of these containers will be tared without any action on the operator's indicator.

The main difference compared to the standard checkweigher is that the first stable weight will be automatically tared and then the weighing procedure will start, once the target weight is reached ('OK' zone).



### TAKE OUT FUNCTION

Allows monitoring of weight removed from the weighing equipment. The GI400 weight indicator shows you whether you are removing the required amount of weight from the scale or more or less than the required amount of weight. When you select the required weight you can set upper and lower limits by percentage or value.



### PALLET WEIGHING FUNCTION

Allows a cumulative log of a series of weight readings for each pallet. Automatic recording of the tare value of each pallet provides a record of its net weight in order to calculate a Net Total figure.



### DOUBLE BATTERY

This allows the use of the indicator with the power disconnected on production lines and during other activities, allowing greatly extended uninterrupted use time. Also valid with additional WiFi.

# UPDATE

## OPTIONAL



# AND REMEMBER

## ALL THE FUNCTIONS ALREADY AVAILABLE

*"dosage, relays, checkweigher..."*



# GI400-410



### CHECKWEIGHER FUNCTION

It can manage automatically up to 4 zones using weight limits for each one of them. By selecting the desired weight, the indicator allows the user to choose superior or inferior limits through value or percentage.



### COUNTING PIECES

This function allows the user to count the pieces which have been loaded on the platform according to the unit average weight PMU which has been scheduled previously.



### TOTALISATION

This function allows the user to do the addition of the weights accumulated in the memory and shows the total number of weights.



### LIMITS WITH RELAIS FUNCTION (optional)

The weight indicator GI400 has been designed to manage automatically a starter weight and 3 limits that activate 4 relays by means of weight registers for each one of them.



### DOSAGE WITH RELAIS FUNCTION (optional)

The equipment has been designed to dosing automatically one product at two speeds or two products at one speed, with unload. The equipment can also program a unloading zone where the user can define the ending of the dosing.



### REPEATER FUNCTION

Weight repeater display up to 16 m with output RS232.

Optional RS485 up to 1200 m (required in both devices).

# SOLUTIONS

## PRODUCTION LINES

MANUAL OR SEMI-AUTOMATIC PRODUCTION LINES

“Optimise resources and running of your production processes”



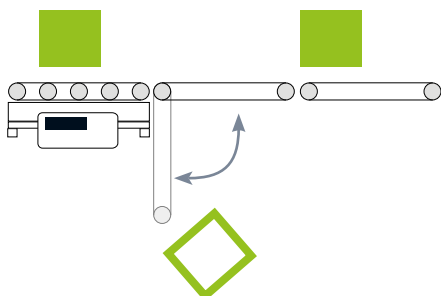
### RFID SYSTEM

Giropes has developed firmware to control RFID readers ideal for recording weights and for controlling operations carried out. Ideal for recording weights in production lines.

**BY OPERATOR  
BY PRODUCT**

Quick identification and activation per operator or product:

- » With card swipe
- » With card present
- » Locking system



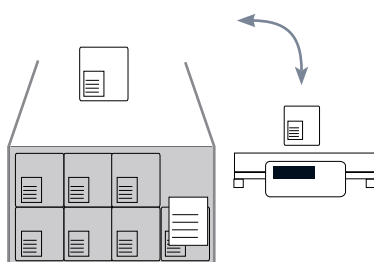
### QUALITY CONTROL

The weighing process is a key quality control step at different stages of the production process. Over recent years, Giropes has committed to developing different systems that allow a high degree of automation of production lines in an optimal and efficient way, improving

**BY TAKE-OUT  
BY DOSAGE**

product management and making it easier for quality control teams to carry out their tasks.



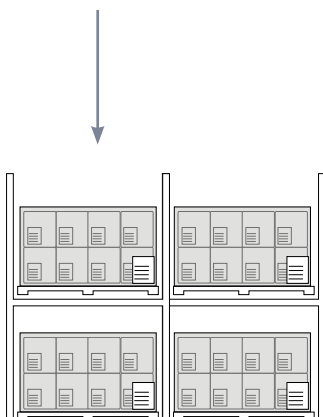


## BATCHES MANAGEMENT

Product traceability must be properly managed and recorded. This may be a legal obligation in some cases, such as with food or pharmaceutical products, but proper records and traceability, from the unit product and the

**BATCH LABELLING  
MACHINE AND  
OPERATOR, FORMAT  
CUSTOMISATION**

boxes or packaging, to the batch and then the truck, is essential for control and distribution processes.

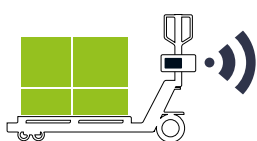
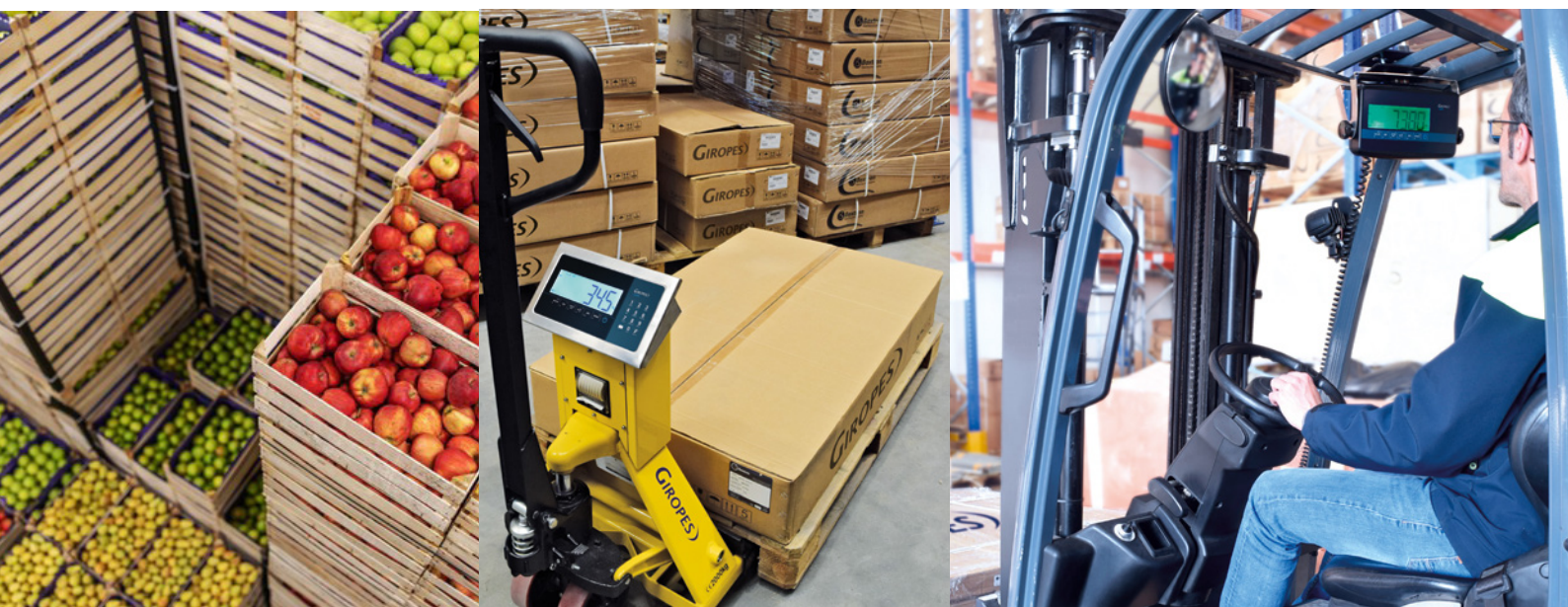


# SOLUTIONS

# PALLETISING & STOCK

MANUAL OR SEMI-AUTOMATIC PRODUCTION LINES

“Optimise and streamline warehouses, inward and outward movements of material and product. Mobile electronic weighing”



## PALLETISING & TOTALISER

Product traceability must be properly managed and recorded. This may be a legal obligation in some cases, such as with food or pharmaceutical products, but proper records and traceability, from the unit product and the

**OPERATOR LOG ON  
PRODUCTION LINES**

boxes or packaging, to the batch and then the truck, is essential for control and distribution processes.



## STOCK & WAREHOUSE

Stock control and control of inward and outward product to and from stock is vital to the management of the business. To optimise that process, Giropes offers a number of mobile weighing solutions to avoid the need to use a fixed

**OPERATOR LOG ON  
PRODUCTION LINES**

weighing station, allowing stock control to be carried out as the product or raw material is being moved.



# “INDICATOR-SPECIFIC Software & Applications”

*Android application for the management and control  
of GI400 & GI410 LED and LCD series indicators on  
platforms and production lines*



**MANAGEMENT OF  
INDICATORS**

## GISCALE PRO

Software for the management and control of all the weighing stations on a production line.

**Gs  
PRO**

## GISCALE ONE

Software for the management and control of a single weighing station.

**Gs  
ONE**



**APP  
INDICATORS**

## GIAPP

Configure the connection of multiple indicators. Allows communication with a single indicator (wifi required) simultaneously for checking the status of the indicator (weight, stability, check-weigher, etc.), tare (manual or automatic), zeroing and recovering weights and exporting them.



**UPDATE  
FIRMWARE**

## UPDATE TOOLS

It allows the firmware update of the GI400 indicators without returning them to the Giropes factory. Thanks to Update Tools, you can have the latest version of GiScale software easily and quickly.



## CONFIGURATION TOOLS

It allows the configuration and parameterization of the indicators GI400. Using the Configuration Tools software, you can customize the ticket header.



# GISCALE

## GI4XX INDICATORS SOFTWARE



### MAIN FUNCTIONS

- > Automatic detection of displays on the network.
- > Register of weighing with product detail.
- > Edition of products, packaging and operators.
- > Editing of weighing information (product, operator, etc.)
- > Connection to multiple indicators.
- > Printing of weighing tickets.
- > Consultation of historical records.
- > Exporting reports (PDF, XLS, CSV).
- > Configuration of the different weighing modes (checkweigher, negative checkweigher, etc.)\*
- > Weigh in mode semi-unattended with the transmission modes (every X time, stable, manual: press PRINT from the indicator, zero crossing and zero crossing when unloading)
- > Consult and graphic analysis in real time. (module Giscale Statistics)
- > Monitoring and management of lines of production.
- > Configuration of the indicators' PLUs.

\* Check required indicator version.

## “Two software versions for two different solutions”



**1 indicator connected**

**Gs**

**ONE**



**up to 255 indicators connected**

**Gs**

**PRO**





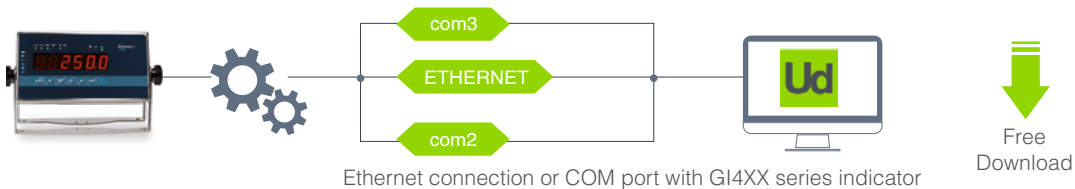
APORTE  
FIRMWARE  
INDICADOR



## UPDATE TOOLS

**It allows the firmware update of the  
GI400-410 indicators**

It allows the firmware update of the GI400 indicators without returning them to the Giropes factory. Thanks to Update Tools, you can have the latest version of GiScale software easily and quickly.



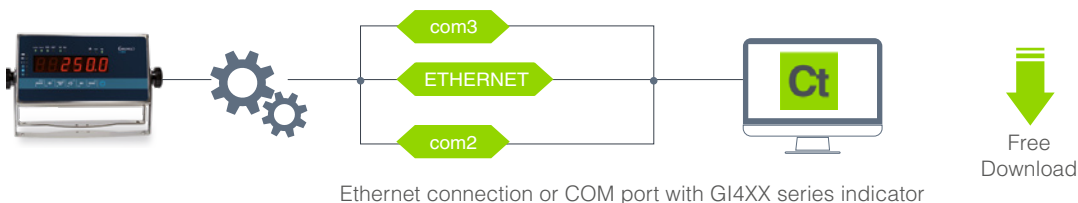
Ethernet connection or COM port with GI4XX series indicator



## CONFIGURATION TOOLS

**It allows the configuration and parameterization  
of the GI400-410 indicators**

Using the Configuration Tools software, you can customize the ticket header.



Ethernet connection or COM port with GI4XX series indicator

## REQUIREMENTS

- > Desk items applications (Windows 7, 8 or 10).
- > 32 bits (x86) or 64 bits processor (x64) at 2.3 GHz or more.
- > 4GB RAM Memory or more.
- > 16 GB or more of available disk space.



Free  
download



**GIAPP**

## Android application for the management and control of GI400

### FUNCTIONS AND APPLICATIONS

- > Configure the connection of multiple indicators
- > Connection to a single indicator simultaneously.
- > Detecting, linking and connecting GI400 displays.
- > Display the status of the connected display.
- > Configure different display functions: tare, zero, etc.
- > Download the weights from the connected indicator.
- > Display list of downloaded weights
- > Filter the list of weights.
- > Share the weights as a CSV file.

### SPECIFICATIONS

- > Configure the connection of multiple indicators.
- > Allows communication with a single indicator (wifi required) simultaneously for:
  - > Checking the status of the indicator (weight, stability, checkweigher, etc.).
  - > Tare (manual or automatic).
  - > Zeroing.
  - > Recovering weights and exporting them.







## SOLUTIONS **EXPLORE**

Giropes' extensive experience has led to the creation of several successful complete installations in companies in many different fields, from the agricultural sector to waste treatment and even the aeronautical, competition, logistics and industrial sectors, among many others.

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**“AUTOMATION”**  
**“WEIGHING SYSTEMS”**  
**“SOFTWARE INTEGRATION”**  
**“PRODUCT CUSTOMISATION”**  
**“ATEX ZONES”**

## **WEIGHING SOLUTIONS**

Weighing systems to address all kinds of needs and requirements in different industries, such as:

**Food, chemicals, agriculture, aggregates,  
recycling, logistics and the pharmaceutical  
industry**

# Successful projects

"Our background supports us"

## PACKAGING LINE WITH WIFI DEVICES

**Giropes installs production line with platforms, indicators with WIFI and GISCALE PRO software**



Giropes has installed an automatic production line managed via WIFI in Callol Serrats, an anchovy processing and preserving business.

Callol Serrats is a business with more than 170 years of craft tradition of processing L'Escala anchovies. The enduring dedication and long history of the family in the production of anchovies has allowed them to become the oldest business now active in the industry. The business is currently managed by the sixth generation of the family, thanks to the handing down of the age-old tradition of anchovy salting from generation to generation.

To continue to develop and refine traditional anchovy salting, without losing the distinctive essence that has marked it out for over 150 years, Callol Serrats has replaced its manual weighing and packaging line with an automated line that uses weighing systems designed and manufactured by Giropes.

The new line replaces a manual production line, optimising resources and facilitating the work of the company's staff and brings greater accuracy and reliability in the canning process.

The production line has a total of 9 weighing units consisting of a GRP platform, a stainless steel column and a GI410i LCD indicator with IP65 protection, ideal for an environment with extreme humidity and salt water exposure like an anchovy processing plant.

*This installation is notable for its use of WIFI to allow cable-free control and management via the GiScale PRO software.*

The 9 weighing units are controlled and managed by the GiScale PRO software, designed and implemented by the Giropes Solutions engineering team.

GiScale PRO software allows the user to connect an almost unlimited number of indicators to the program and provides greater freedom to customise tickets and reports, record specific fields, create a semi-unattended weighing system and even to monitor and manage production lines.

Thanks to the weighing log kept by the Giropes software, Callol Serrats can readily prove the correct packaging of its product without having to keep a manual log of the weights for each unit produced.



## FOOD AND PACKAGING

### Installation of an automated line of production



Giropes has done the installation of an automated line of production in Domaine des Loveresses, a company of cultivation and packaging of agricultural products.

*Domaine des Loveresses, with more than 50 years of experience in agricultural cultivation, is a company placed in Yens (Swiss), and it has more than 60 hectares of crops of root of endive, their star product. Moreover, they also cultivate and distribute other products such as tomatoes, strawberries, raspberries or cabbage, among others, which are distributed around 10 hectares more of crops used by the company.*

The weighing systems which have been installed are formed by single-cells platforms from the GRP model and GI410i indicators with IP68 protection, managed by the software GiScale PRO.

Thanks to this new line of production installed by Giropes, the company can optimize their time and their resources in the classification and

**“The weighing systems which have been installed are formed by single-cells platforms from the GRP model and GI410i indicators with IP68 protection, managed by the software GiScale PRO”**

packaging of the products, speeding the work of the operators.

The software GiScale PRO has been designed for the management and control of the lines of production. It can control an unlimited number of weight indicators and also allows more control in the production thanks to its customized reports that their own program can manage.

# REPLACING A MANUAL PRODUCTION LINE

**Giropes installs production line with platforms and Gyscale Pro software**



Giropes has done the installation of an automated production line in Anxoves de L'Escala, a treatment and conservation company of anchovies.

Anxoves de L'Escala is a company with more than 75 years of experience in the anchovy production process. The technological advancement, together with the use of traditional methods and knowledge, which has been passed down from one generation to the next, since the arrival of the Greeks in Empúries in the VI century a. C. All this knowledge has made it possible to Anxoves de l'Escala to produce a high quality product, together with a high level of preservation.

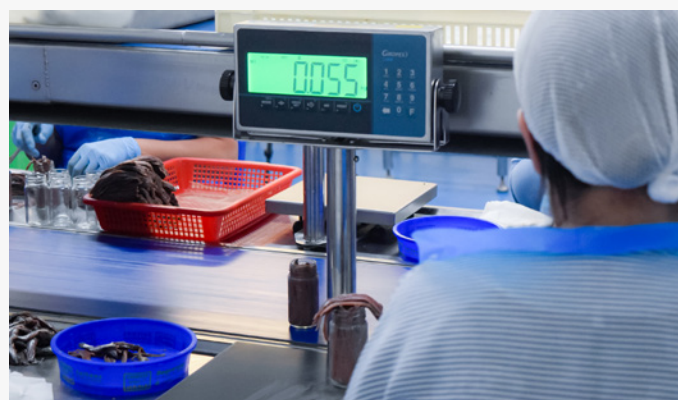
The renewal has been a fundamental pillar in this company of the food industry which has achieved a modern factory, equipped with the latest technology and finally completed with the improvement in their production line. These changes have resulted in an optimization of resources to meet the challenges of an increasing demand.

This installation substitutes a manual production line, optimizing the resources and making the work easier to the operators of the company. Moreover, the new automated production line results in a greater accuracy and reliability when carrying out the anchovy jars.

*The production line has a total of 20 weigh sets. These sets are formed by a GRP platform, a stainless steel platform with a GI410i indicator, an LCD with IP65 protection, ideal for an environment of extreme humidity and exposed to salt water such as the one you can find in an anchovies treatment plant.*

The 20 weighing sets are controlled and managed by the GiScale PRO software, designed and implemented by our team of engineers in Giropes Solutions.

The software GiScale PRO enables the user to connect an almost unlimited number of indicators to the programme. Besides, it also adds more freedom to customize tickets and reports, register specific areas. It also enables the user to perform a weighing system in a semi unattended mode and even monitor and manage lines of production.





## COLLECTION AND DISTRIBUTION OF FRUIT AND VEGETABLES

*Installation of different weighing stations with GISCALE software in six production lines*



Through one of our trusted distributors, Giropes has carried out the installation of various weighing systems managed by GISCALE software in six production lines at the Grupo Lucas facilities in Murcia.

*Grupo Lucas with more than 50 years of experience at the fruits and vegetables market, is considered one of the top companies in the sector, both in Spain and internationally. Its facilities have more than 25,000 m<sup>2</sup> handling centres and more than 2,500 hectares of crops.*

To improve the efficiency of its fruit and vegetable handling process the company decided to incorporate weighing systems, consisting of a weighing platform and a GI400 LCD indicator, into its six production lines, all managed through GISCALE PRO software, designed and manufactured by Giropes and installed by our partner in the area.

According to the IT manager, the incorporation of this new weighing system "makes the operators' job easier, enabling the weight of the products to be controlled using the colour provided on the indicator display, without being aware of the exact weight shown by the equipment and reducing the risk of human error".

**"The new weighing system in the production lines makes the operator's job easier and reduces the risk of human error"**

He also added that, "Thanks to GISCALE PRO software, we can statistically track the efficiency of each production line and the different weighing stations that make it up".

Regarding the quality processes, Grupo Lucas can now have much more rigorous control over the selected products, providing safety that complies with the current regulations for actual packaging.

The real time and statistical weight registration provided by GISCALE software has proved to be a step forward in the traceability of the weighing, making it possible "to control the weight of the product during the whole handling process and to have a record of time and operator at any given time". As the quality manager of Grupo Lucas confirms, "This provides much more efficiency when detecting problems and enables them to be resolved much more effectively".



**GIROPES**  
WEIGHING SOLUTIONS



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