

DYNAMIC WEIGHING IN LINE

GWG-100

Automatic classifier

Weighs. Classifies. Distributes. Automatic dynamic weighing and classification system for production lines



Up to 16

automatic outputs

200 ppm*

maximum speed

0,5 g

maximum accuracy

IP65 or IP69k

protection grade

*Maximum speed of the checkweigher

THE CHALLENGE OF THE PROCESS

Manual classification slows down the line.

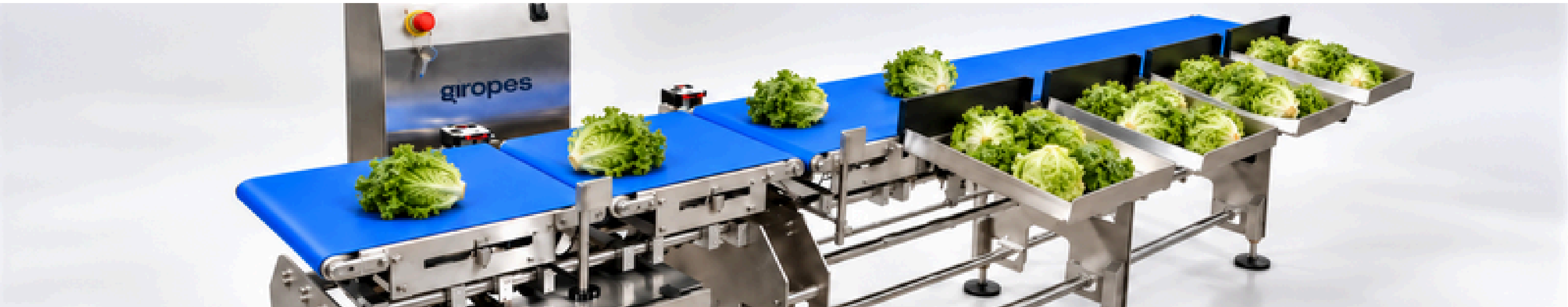
Manual classification by weight slows down production, increases product handling, and makes it difficult to maintain a consistent criterion.

Until now
To weigh and separate, by hand.

- ⊖ More time and resources on each line.
- ⊖ Human variability and range errors.
- ⊖ Limited pace and difficult to scale.
- ⊖ Data difficult to record and audit.

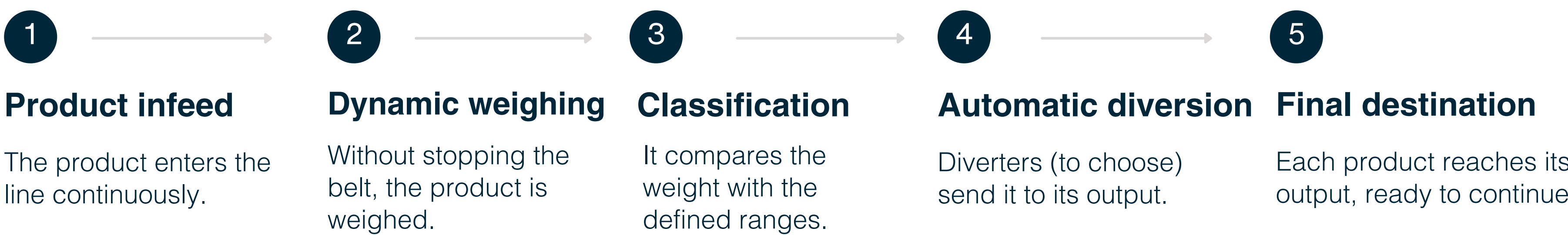
From now on
To weigh and separate, automatically.

- ✓ Less time and fewer resources.
- ✓ The same criteria for each product.
- ✓ Up to 200 products per minute.
- ✓ Each weight and each output, recorded.



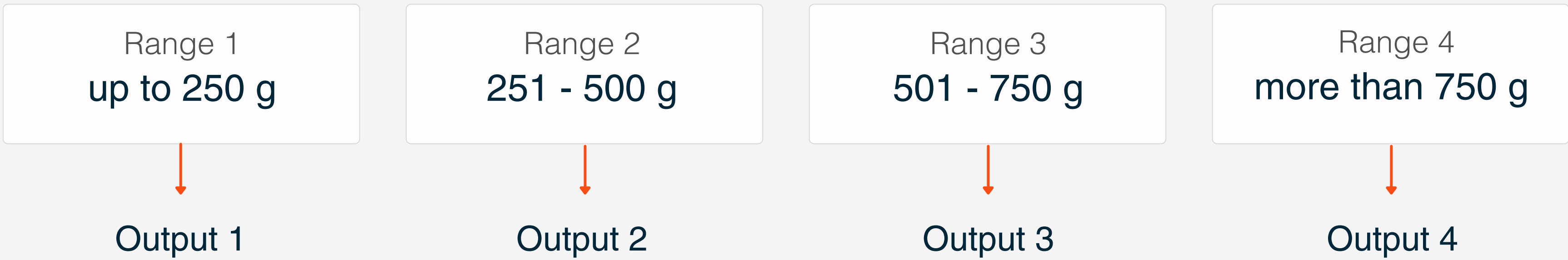
How it works

Weighs. Classifies. Distributes.



Example of classification recipe

Guideline example. The ranges are defined by product.



*Remarque : Les produits peuvent également être triés par nombre d'unités afin de constituer des lots.

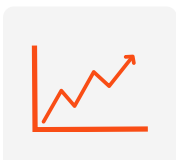
KEY BENEFITS

Six reasons to automate classification with the GWG-100



Automation

Weighs, classifies, and distributes without operator intervention.



More productivity

Up to 200 products per minute.



Uniform classification

Accurate results and consistent in every batch.



Less handling

Less contact with the product and fewer manual errors.



Flexibility

Ranges and outputs adapted to each product.



Generate reports

Each weight and each output are recorded.

APPLICATIONS

Where the GWG-100 classifies



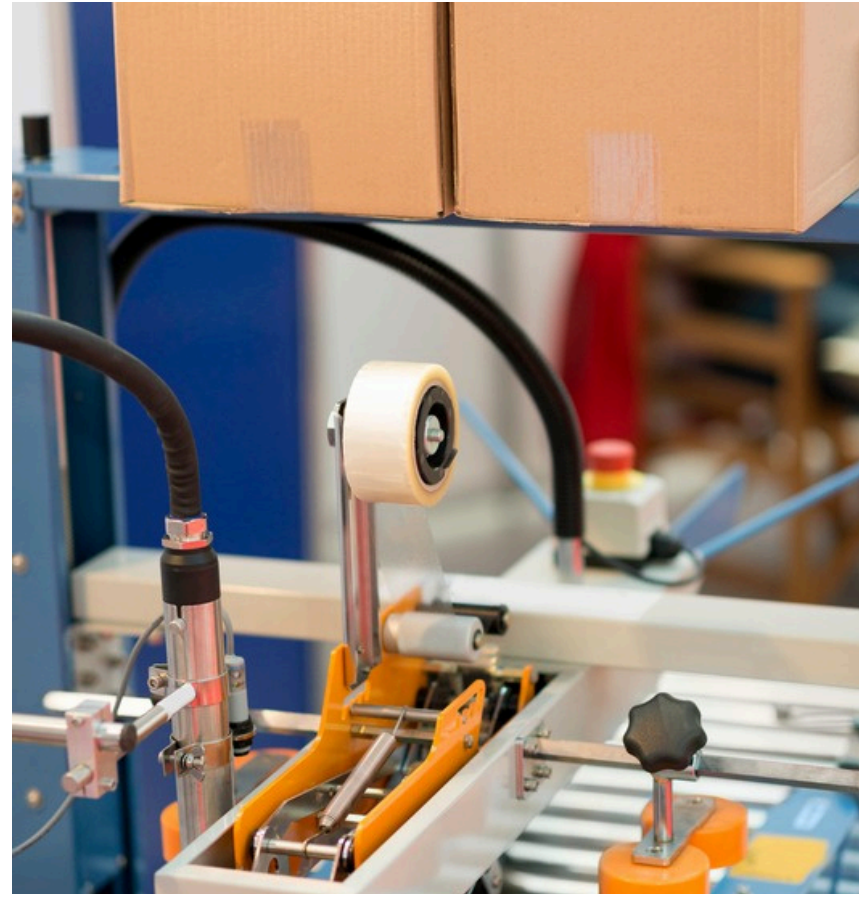
Meat industry



Fruit and vegetables



Packaged food



Logistics



Fishing industry



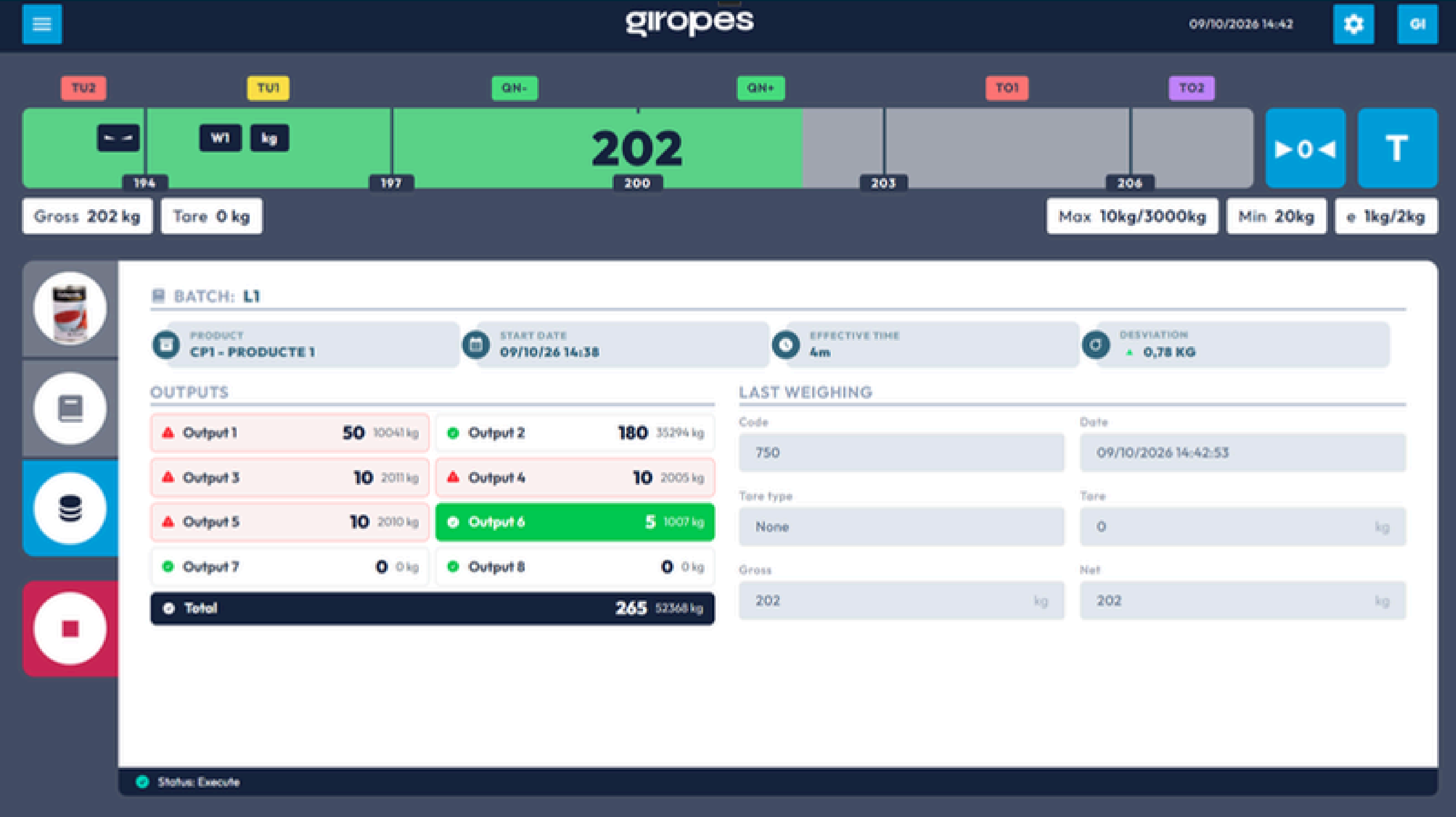
Success story | Feed Bags

Software and connectivity

GCW

Supervise. Analyze. Improve.

GCW supervises, records, and analyzes production to improve process control and traceability.



Optional

- 01 Centralization of equipment

Several devices from a single software.
- 02 More than 20,000 products

References and recipes, always at hand.
- 03 Batch Management

Complete traceability of production.
- 04 Minimum, target, and maximum

Tolerances with alarms and automatic rejection.
- 05 Statistical control

Real-time charts and metrics.
- 06 History and search

Records with advanced filters.
- 07 Ethernet and OPC server

Simple integration in the plant.
- 08 Access levels

Configurable users and permissions.
- 09 Data export

Reports in PDF, Excel and other formats.

ADAPTABLE CONFIGURATION

Configure it to your needs

Standard dimensions and customizable options.
Scope and Dimensions according to application.

Choose the reject system

According to weight and format of the product. They can be placed on the same side or on opposite sides.



Lightweight · small format

Air blowing “Air-jet”

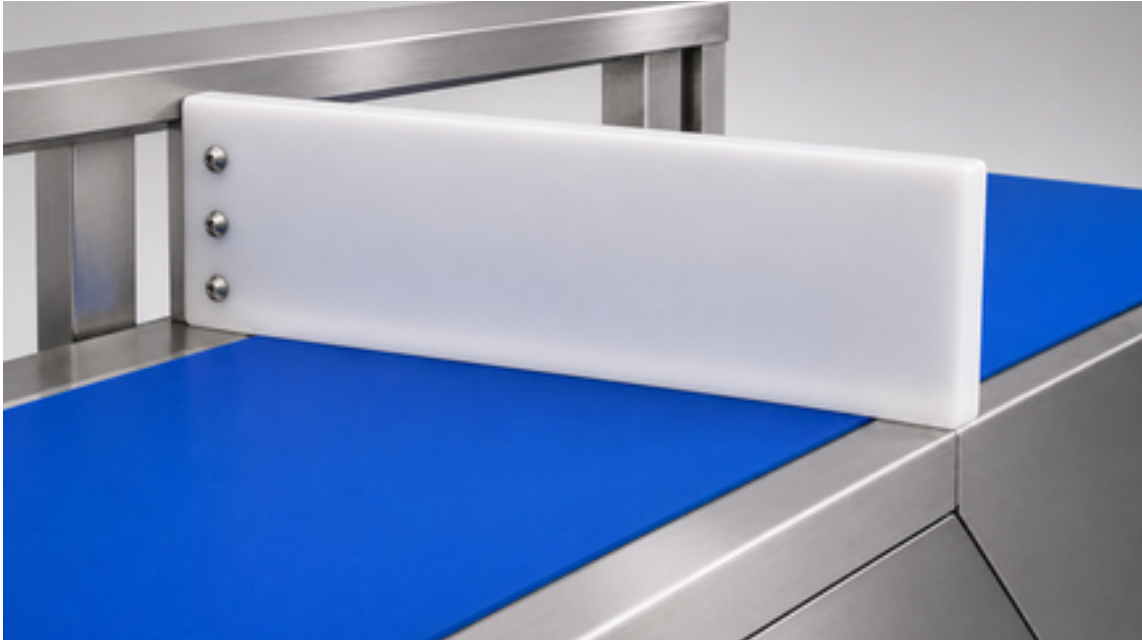
High speeds without mechanical contact with the product. Fast, clean, and with little maintenance.



Medium weight · rigid packaging

Pneumatic piston 90°

Robust, precise, and configurable lateral rejection. Easily integrates into most lines.



Fragile · large format

Guiding or pushing blade

For unstable products. The blade guides them out of the line smoothly and in a controlled manner, without impacts.

Choose the output system

According to the next step of the process



Roller ramp

The rollers guide the product to its collection or the next station.



Stainless steel ramp

Inclined ramp that slides the product smoothly towards its collection.



Receiving drawers

The product falls directly into stainless steel drawers



Automatic connection to another line

Direct mechanical connection to another conveyor or to the next process stage.



Open output

Without accessory, to collect the product as needed.

Adjust the line

Standard measurements and custom optionals



Up to 16 outputs

As many as your product requires.



Variable length

Adapted to the space of your plant.



Adaptation to the product

Guides and finishes custom-made.

Multiple devices controlled through a single software platform.

Technical specifications

GWG-100

Automatic classifier by weight.
Dynamic weighing + classification.

200 ppm

maximum speed

0,5 g

minimum graduation

16

outputs at most

IP65 or IP69k

high-pressure washing

PERFORMANCE

Maximum speed	Up to 200 ppm, depending on product length, weight and weighing carriage dimensions.
Accuracy	Graduation from 0.5 g
Ranges	From 1.5 kg to 60 kg, depending on the weighing carriage.
No. of outputs	Up to 16

CONSTRUCTION

Structure	Stainless steel
Belts	Suitable for food use
Protection	IP65 or IP69K

CONNECTIONS

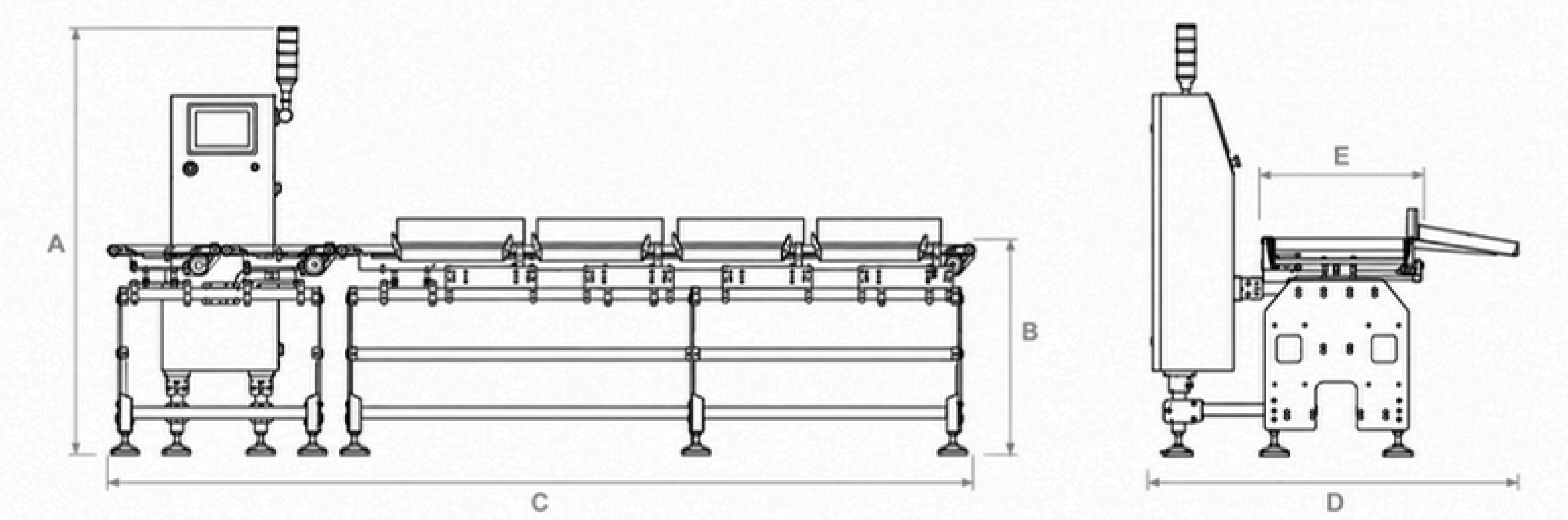
Electrical	230 V AC 50/60HZ
Air	Max. 150 l/min (5–8 bar), only with classification system

CONTROL

Software	GCW
Configuration	Standard and optional custom-made
Paddle limit	According to the maximum weight of the product

Note: Range, dimensions and final configuration according to application.

Dimensions (mm)



Note: The image shows a cart with 4 outlets.

Ref.	Description	Dimensions (mm)
A	Total height	1700 – 1800
B	Working height	According to configuration
C	Line length	According to configuration
D	Total depth	According to output and cart
E	Cart width	According to configuration

Note: Available widths of the checkweigher and the classifier: 200 / 280 / 400 / 600 mm.

GWG-100 · AUTOMATIC CLASSIFIER BY WEIGHT

Shall we talk?

We advise you to define the ranges, the rejection system, and the type of output that best suit your product and your line.



www.giropes.com



giropes@giropes.com



+34 972 527 212

giropes