

WEIGHT  
GRADER

# GW-4000



Image of GW-4000 with 4 optional rotating blades grading system  
Also optional containers for classified products (buckets)



**WEIGHING**  
DYNAMIC OR  
STATIC



**EJECTION**  
OPTIONAL



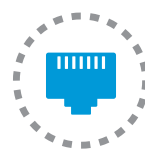
**UP TO  
9 OUTPUTS**



**8,000 PLUs**  
MEMORY



**TOUCH SCREEN  
CONSOLE**  
OPTIONAL

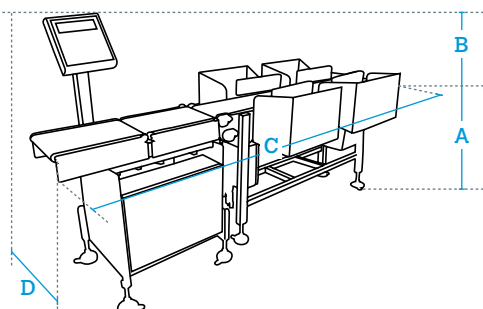


**ETHERNET**  
TCP/IP



**METROLOGICAL  
VERIFICATION**  
OPTIONAL

## DIMENSIONS



### DATA IN mm

<b>A</b>	820 - 970 (adjustable legs)
<b>B</b>	600
<b>C</b>	2,356 (for L400-L400-L1,498 conveyor)*
<b>D</b>	630 (for W280 conveyors -without buckets-)**

\* These measurements correspond to the sum of the infeed, weighing and 4 optional rotating blades grading system conveyors.

Grading system for products of up to L200 x W280 mm and up to 500 g. For other sizes, contact us.

\*\* For other sizes, contact us.

# Specifications:

## Outstanding functions

- Weight grading.
- Orders management.

## Weighing

- **Type of weighing:**
  - Dynamic or static.
- **Ranges depending on the dimensions of the weighing conveyor:**
  - 6 kg/2 g or 10 kg/5 g with conveyor of up to L400 x W400 mm.
  - 15 kg/5 g, 20 kg/10 g, 30 kg/10 g, 40 kg/20 g or 60 kg/20 g with conveyor of up to L600 x W500 mm.
  - 3 kg/1 g or others, contact us.

## Grading system (optional)\*

- **Grading system type:**
  - "Air-jet®".
  - Pneumatic piston.
  - Rotating blade.
- **Number of ejectors:**
  - From 2 to 8.

## Position of the ejectors:

- They can be located on the same side or opposite sides.

## Construction

- **Structure:**
  - AISI 304 stainless steel and anodized aluminium.
- **Belts:**
  - Material and characteristics: Polyurethane, rigid or elastic depending on the equipment range. With FDA approval.
- **Console:**
  - Material: Stainless steel.
  - "Qwerty" keypad and graphic backlit LCD display.
  - 15" TFT touch screen, optional.

## Communication to PC

- Ethernet TCP/IP.
- RS-232.

## PC Software

- **RMS:** For equipment configuration, production data management and back up (LBS).
- **DCS:** For production data management.

## Power supply & compressed air

- **Electrical:** 2230 V/50 Hz; 115 V/60 Hz.
- **Air:** max. 150 l/min (at 5-8 bar) (if grading system is included).

## Possible integration with other equipment

- Dibal LS-4000 automatic weigh-price labeller.
- Aligner.
- Misaligner.
- 90° deflector.

\* All the grading systems (pneumatic piston, "Air-jet®", etc.) depend on the type of product/packaging, required speed, collection system, etc.; please always check with Dibal.

## MODEL:

# GW-4200/400

## No ejectors

- 1 infeed and 1 weighing L400 x W280 mm conveyor.
- For products of up to L300 x W280 mm and up to 6 kg (in dynamic weighing). Up to L350 x W280 mm in static weighing.
- Without grading system (check for options).
- Performance\*\*: 80 packages/minute (with products of up to L200 mm and 2 kg). In MID conditions (M).

\*\* Maximum performance will depend on the size, weight and morphology of the product, as well as on the regularity of the infeed of the products, the grading system and the MID conditions (M).

# Options



> Touch screen console



> Vertical detector on arch

## Option

## Characteristics

## Ref.

Touch screen console	TFT 15".	Contact us
Grading by "Air-jet®"	Up to 8 ejectors + 1 straight output. For model GW-4200/400.*	Contact us
Grading by pneumatic piston	Up to 8 ejectors + 1 straight output. For model GW-4200/400.*	Contact us
Grading by rotating blade	Up to 8 ejectors + 1 straight output. For model GW-4200/400.*	Contact us
L400 x W280 mm separation conveyor	For model GW-4200/400.	Contact us
L350 x W200 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4200/400.	Contact us
L600 x W280 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4200/400.	Contact us
L800 x W280 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4200/400.	Contact us
L800 x W280 mm weighing conveyor 4 load cells, not MID (to replace L400 x W280 mm conveyor)	For model GW-4200/400.	Contact us
L600 x W400 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4200/400.	Contact us
L400 x W400 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4200/400.	Contact us
L800 x W400 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4200/400.	Contact us



> Container for classified products



> Split belt



> Grading by rotating blade

<b>Split belt</b>	For transparent packs or irregular shape/cylindrical products.	Contact us
<b>Vertical detector on arch</b>	For transparent packs or irregular shape products. Infeed conveyor with split belt necessary.	Contact us
<b>Container for classified products</b>	Consult us.	Contact us
<b>Right to left operation</b>	Standard operation: from left to right.	Contact us
<b>IP65 protection kit</b>	Protected engines, bearings with lock, packaging gland, special load cell and heated detector.	Contact us
<b>RMS Software</b>	Equipment configuration, production data management and back up (LBS). (See section on software)	7340R1U3 7340RNU3
<b>DCS Software</b>	Production data management. (See section on software)	7340C0U3 7340CNU3
<b>Wi-Fi</b>	Wireless communication.	Contact us
<b>Packed in phytosanitary wood case</b>	Necessary depending on the destination.	PEEC080F
<b>Metrological verification (M)</b>	According to EU weighing directives (MID).	Contact us

\* All the grading systems (pneumatic piston, "Air-jet®", etc.) depend on the type of product/packaging, required speed, collecting system, etc.; please always check with Dibal.

# Accessories



Ref: Contact us

## Motorised conveyor

Input/output L1,000 x W280 mm conveyor, with smooth belt.



Ref: Contact us

## Dibal Vision artificial vision camera

Contact us about applications.



Ref: Contact us

## Barcode readers

Contact us about applications.



Ref: Contact us

## Rollers conveyor

Rollers conveyor for transporting or accumulating products.



Ref: Contact us

## Rotating table

To collect wrapped and/or labelled products.



Ref: Contact us

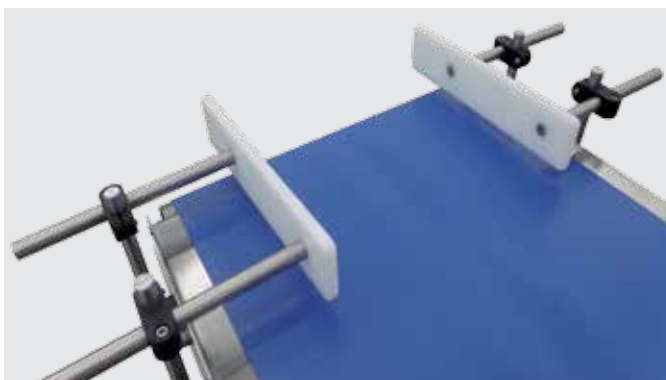
## W280 mm exit ramp

Non-motorised PVC rollers for W280 mm conveyors.



Ref: Contact us

## Exit ramp for classified products



Ref: Contact us

**Product guiding system in infeed conveyor (standard)**

For special guides, contact us.



Ref: Contact us

**Polycarbonate protector for weighing conveyor**

To avoid external disturbances during the weighing process.



Ref: Contact us

**Product turning device**

To change the position or orientation of the products.



Ref: Contact us

**4 wheels with brakes**

Stud included.



Ref: Contact us

**24V visual and audible alarm**