

HIGH SPEED
WEIGHT GRADER

GW-4000+



Image of GW-4300+ with 8 optional rotating blades grading system

Optimal touch screen console and containers for classified products (buckets)



WEIGHING
DYNAMIC OR
STATIC



EJECTION
OPTIONAL



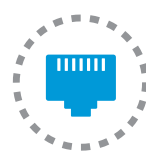
**UP TO
9 OUTPUTS**



**8,000 PLUs
MEMORY**



**TOUCH SCREEN
CONSOLE**
OPTIONAL

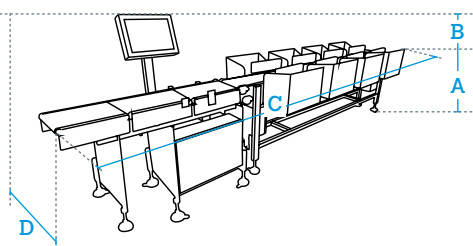


ETHERNET
TCP/IP



**METROLOGICAL
VERIFICATION**
OPTIONAL

DIMENSIONS



DATA IN mm

A	820 - 970 (adjustable legs)
B	600
C	4,282 (L400 -L400-L400-L2,995 conveyors)*
D	630 (for W280 conveyors -without buckets-)**

* These measurements correspond to the sum of the separation, infeed, weighing conveyors and the 8 optional rotating blades grading system conveyor. Grading system for products of up to L200 x W280 mm and up to 500 g. For other sizes, contact us.

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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.

Communications 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:** 230 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 and LS-4000+ automatic weigh-price labellers.
- 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-4300+/400

No ejectors

- 1 separation, 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**: 150 packages/minute (with products of up to L150 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



> Split belt

Option

Characteristics

Ref.

Option	Characteristics	Ref.
Touch screen console	TFT 15".	Contact us
Grading by "Air-jet®"	Up to 8 ejectors + 1 straight output. For model GW-4300+/400.*	Contact us
Grading by pneumatic piston	Up to 8 ejectors + 1 straight output. For model GW-4300+/400.*	Contact us
Grading by rotating blade	Up to 8 ejectors + 1 straight output. For model GW-4300+/400.*	Contact us
L400 x W280 mm separating conveyor	For model GW-4300+/400.	Contact us
L350 x W200 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4300+/400.	Contact us
L600 x W280 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4300+/400.	Contact us
L800 x W280 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4300+/400.	Contact us
L800 x W280 mm weighing conveyor 4 load cells, not MID (to replace L400 x W280 mm conveyor)	For model GW-4300+/400.	Contact us
L600 x W400 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4300+/400.	Contact us
L400 x W400 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4300+/400.	Contact us
L800 x W400 mm conveyor (to replace L400 x W280 mm conveyor)	For model GW-4300+/400.	Contact us



> Container for classified products



> Grading by pneumatic piston



> Grading by rotating blade

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

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

Accessories



Ref: Contact us

Motorised conveyor

Input/output conveyor L1,000 x W280 mm, 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

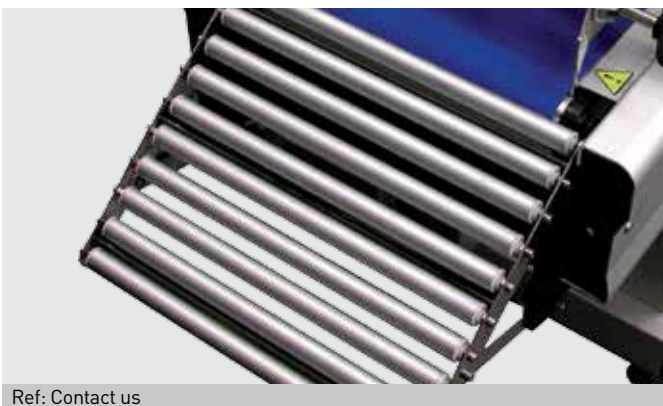
Rollers conveyor for transporting or accumulating products.



Ref: Contact us

Rotating table

To collect wrapped and/or labelled products.



Ref: Contact us

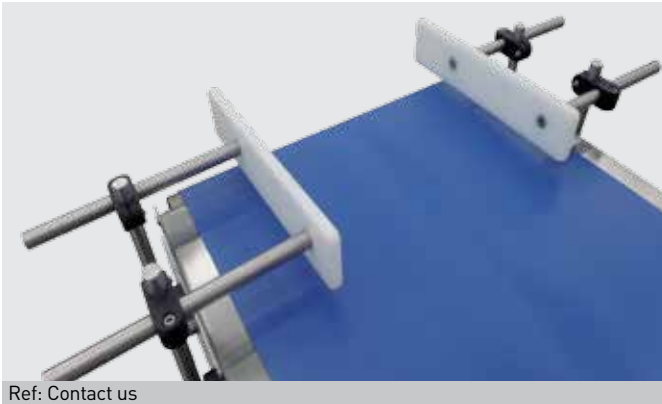
W280 mm exit ramp

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