GW-4500

Optional grading system (frame with rotating blades and containers for classified products (buckets)

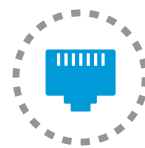**WEIGHING**
DYNAMIC OR STATIC

EJECTION
OPTIONAL

UP TO 7 OUTPUTS
(6 OF CLASSIFIED PRODUCTS + 1 OFF LIMITS)

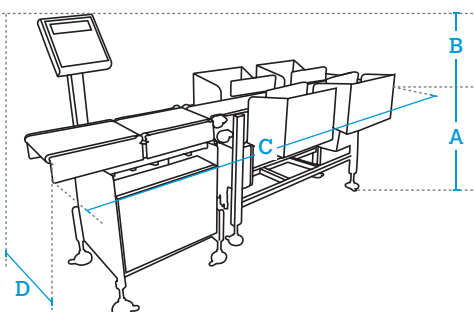**8,000 PLUs**
MEMORY

TOUCH SCREEN CONSOLE
OPTIONAL

ETHERNET

M METROLOGICAL VERIFICATION
OPTIONAL (EU)

DIMENSIONS

DATA IN mm

A	850 - 950 (adjustable height)
B	600
C	2,356 (L400-L400-L1,498 conveyors)
D	630 (for WA280 conveyors —without buckets—)**

* These measurements correspond to the sum of the infeed conveyor, weighing conveyor and optional conveyor with grading system (4 accompanying blades). 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.

Outstanding functions

• High speed weighing: up to 162 ppm in approved equipment, and up to 250 ppm in non-approved equipment.
• Discrimination by weight checking.
• Orders management.
• MID certification: approved equipment.

Weighing

• Type of weighing:
  · Dynamic or static.
• Ranges depending on the dimensions of the weighing conveyor:
  · 3 kg / 1 g with conveyor of up to L300 x W200 mm.
  · 6 kg / 2 g with conveyors of up to L400 x W280 mm, L400 x W400 mm and L600 x W280 mm.
  · 15 kg / 5 g with conveyors of up to L600 x W400 mm, L800 x W280 mm and L800 x W400 mm.

Grading system (optional)*

• Grading system type:
  · "Air-jet®" air blowing.

· Pneumatic piston.
· Accompanying blade.*
· Pusher blade.*
• Number of ejectors:
  · From 2 a 6.
• Position of the ejectors:
  · They can be located on the same side or opposite sides.

Construction

• Structure:
  · AISI 304L stainless steel and anodized aluminium.
• Belts:
  · Standard.
  · High speed: super adherent.
  · Sliders: for expulsion areas.
• Guides:
  · AISI 304L stainless steel, anodized aluminum and cestilene.
• Console:
  · Material: AISI 304L stainless steel.
  · "Qwerty" keypad and graphic backlit LCD display.
  · 15" TFT touch screen, optional.

Communications to PC

• Ethernet TCP/IP.
• RS-232.

PC Software

• DIS: for equipment configuration, production data management and back up (LBS).
• DeS: for statistical control of weight in packaged products ("e" sign) and generation of reports of the data received.
• Integration tools (see section on software).

Power supply & compressed air

• Electrical: 230 V/50 Hz; 115 V/60 Hz.
• Air: max. 150 l/min (at 6-8 bar) (in case of incorporating grading system).

Possible integration with other equipment

• Dibal LS-4500 and CLS-4500 automatic weigh-price labellers.

* 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.

MODELS

GW-4500/400/400x280
4 Ejectors

• 1 infeed and 1 weighing L400 x W280 mm conveyor, and 1 grading L3,000 x W280 mm conveyor.
• Does not include "IP65 equivalent protection" option.
• For products up to L300 x W280 mm and up to 6 kg (in dynamic weighing). Up to L350 x W280 mm in static weighing.
• Grading system: accompanying blades (for another grading system, consult us).
• Performance*: 80 packages/minute (with product up to L200 mm and 2 kg). In MID (M) conditions.

(M) Optional

GW-4500/1000/1000x400
6 Ejectors
Special equipment - Application example: hams grading

• 1 infeed and 1 weighing 1,000 x W400 mm conveyor, and 1 grading L7,000 x W400 mm conveyor.
• Includes "IP65 equivalent protection" option.
• For products up to L900 x W400 mm and up to 20 kg (in dynamic weighing). Up to L950 x W400 mm in static weighing.
• Grading system: rotating blades (for another grading system, consult us).
• Performance**: 20 packages/minute (with hams between 15 kg and 20 kg). In MID (M) conditions.

(M) Optional

** 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

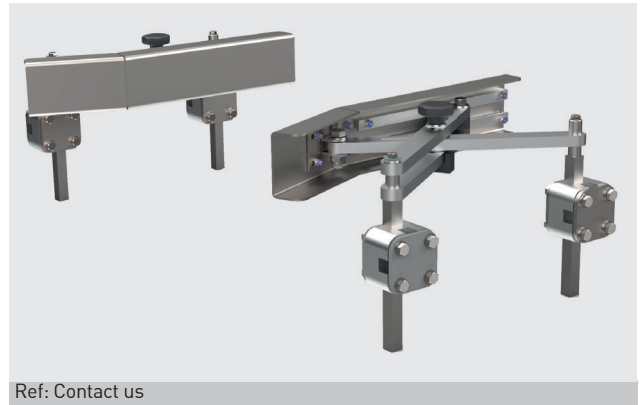> Touch screen console

> Detector on arch (horizontal + vertical)

Option	Characteristics	Ref.
Grading system	Pneumatic piston, air blowing, pushing blade, etc.	Contact us
L400 X W280 mm sequencing conveyor	Includes frame extension.	Contact us
L600 X W280 mm sequencing conveyor	Includes frame extension.	Contact us
L800 X W280 mm sequencing conveyor	Includes frame extension.	Contact us
Touch screen	15" TFT.	Contact us
"Grading/filling" working mode (LW)	Includes filling buttons.	Contact us
Horizontal barrier detector	Replaces the horizontal detector.	Contact us
IP65 equivalent protection	Protected engines.	Contact us
DIS software	Equipment configuration, received data management and backup (LBS). (See software section).	7340ENW3
DeS software	For statistical weight control ("e sign"). (See software section).	7340BN03
Standard packaging		Contact us
Cage packaging	Necessary depending on the destination.	Contact us
Metrological verification (M)	According to EU weighing directives (MID).	Contact us

Accessories

Ref: Contact us

Cestilene product guides

Ref: Contact us

Stainless steal product guides

Ref: Contact us

W200 mm exit ramp

Non-motorized PVC rollers for W200 mm conveyors.

Ref: Contact us

W280 mm exit ramp

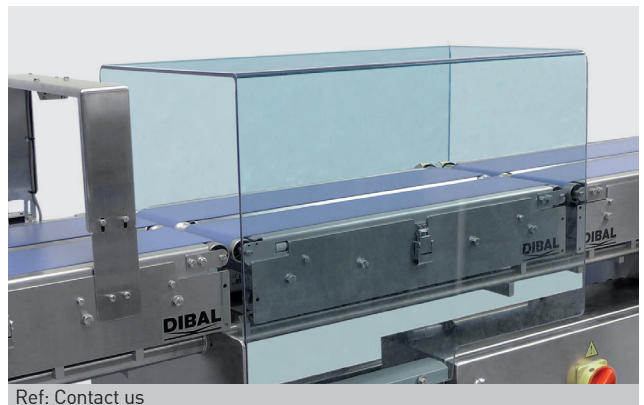Non-motorized PVC rollers for W280 mm conveyors.

Ref: Contact us

W400 mm exit ramp

Non-motorized PVC rollers for W400 mm conveyors.

Ref: Contact us

Visual and audible alarm (24V)

Ref: Contact us

Polycarbonate protector for L400 x W280 mm weighing conveyor

Special applications
Checkweighers and weight graders

The following example is a special weight grader, custom made to meet the specific requirements of our customers.

Weight grader of hams

GW-4500 weight grader with L1,000 mm infeed conveyor, L1,000 mm weighing conveyor, and 6 classification outputs.