LS-5000

WEIGHING
DYNAMIC OR
STATIC

4" PRINTER
250 mm/s

**MULTIPLE
POSITION
LABELLING**

8,000 PLUs
MEMORY

ETHERNET

M
**METROLOGICAL
VERIFICATION**
OPTIONAL (EU)

Outstanding functions

- High speed weighing: up to 200 ppm.
- Labelling of fix/variable weight/price.
- Discrimination by weight checking.
- Generic traceability in label.
- Adapted to comply with EU Regulation 1169/2011 referring to food information.
- Barcodes: EAN-8, EAN-13, EAN-128, CODE 128, ITF-14, QR code, GS1 Datamatrix and GS1 Databar (up to 4 barcodes per label).
- Air applicator: maximum productivity.
- Latest generation of PC electronics.
- MID certification: approved equipment.

Weighing

- Weighing type:
  - · Dynamic or static.
- Ranges according to dimensions of the weighing conveyors:
  - · 1.5 kg / 0.5 g with conveyors of L300 x W200 mm.
  - · 3 kg / 1 g with conveyors of L300 x W200 mm.
  - · 6 kg / 2 g with conveyors of L400 x W280 mm, L400 x W400 mm and L600 x W280 mm.
  - · 15 kg / 5 g with conveyors of L600 x W400 mm, L800 x W280 mm and L800 x W400 mm.
  - · For other ranges, contact us.

Labelling system

- Print type:
  - · Direct Thermal (DT) or Thermal Transfer (TT).
- Printhead:
  - · Long-lasting 4" (historical control).
- Resolution:
  - · 8 or 12 dots/mm.
- High speed printing:
  - · Up to 300 mm/s.
- Label applicator type:
  - · Pneumatic piston. In top labeller also possibility of 90º rotating applicator and "Air-jet®" air blowing.
- Position of the label applicator:
  - · Top, under and/or side (front or back, consult us).

Labels

- Dimensions:
  - · From L40 x W40 mm, up to L120 x W102 mm
- Maximum width of back paper: 110 mm.
- Maximum label roll diameter: 300 mm.
- Inside diameter of the label roll cardboard core:
  - · Ø76 mm (the cardboard joint must be the same width as the backpaper).

Construction

- Structure:
  - · AISI 304L stainless steel and anodized aluminium.
- Belts (all of them with FDA approval):
  - · Standard.
  - · High speed: super adherent.
  - · Sliders: for expulsion areas.
  - · Hygienisables.
- Guides:
  - · AISI 304L stainless steel, anodized aluminum and cestilene.
- Console:
  - · Touch-screen TFT 15".
  - · Adjusting the height of the top labeller from the console.

Communication to PC

- Ethernet TCP/IP.
- 2 RS-232.
- 4 USB (3.0)

PC software

- Direct connection to the device from any device with access to the same network as the LS-5000 or through the Google Chrome browser.
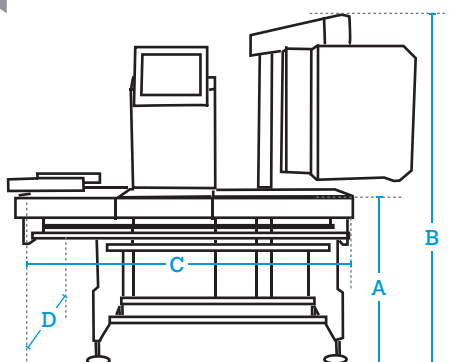- Data export to Excel or CSV.

Power supply & compressed air

- Electrical: 230 V / 50 Hz; 115 V / 60 Hz.
- Air: max. 150 l/min (at 6-8 bar)

Possible integration with other equipment

- Dibal LP-5000 manual weigh-price labeller.
- Dibal GS-5000 batch collector (+ LP-5000).
- Dibal MD-5000 metal detectors.

DIMENSIONS

DATA IN mm

A	750 - 850 (adjustable height)
B	1,550 - 1,850 (adjustable height)
C	1,526 (with L400-L400-L400-L600 conveyors)*
D	595 (conveyors width + console width. For W280 conveyors)**

* These measurements correspond to the sum of the separation, infeed, weighing and labelling conveyors. For other sizes, contacts us.

** For other sizes, contact us.

Models

LS-5000
400/400/600x280

- 1 infeed and 1 weighing L400 x W280 mm conveyor, and 1 labelling L600 x W280 mm conveyor.
- For products of up to L350 x W280 mm, and up to 15 kg.
- 1 top labeller, direct thermal printing, 4" printhead and piston applicator.
- Performance*: 100 labels/minute (with L60 x W60 mm labels and product up to L120 mm and 0.5 kg). Up to 140 labels/minute with air-jet applicator. In MID conditions (M).

(M) Optional

LS-5000
600/300/600x200

- 1 infeed L600 x W200 mm conveyor, 1 weighing L300 x W200 mm conveyor, and 1 labelling L600 x W200 mm conveyor.
- For products of up to L200 x W200 mm, and up to 3 kg.
- 1 top labeller, direct thermal printing, 4" printhead and piston applicator.
- Performance*: 100 labels/minute (with L60 x W60 mm labels and product up to L120 mm and 0.5 kg). Up to 140 labels/minute with air-jet applicator. In MID conditions (M).

(M) Optional

LS-5000
600/600/800x280

- 1 infeed and 1 weighing L600 x W280 mm conveyor, and 1 labelling L800 x W280 mm conveyor.
- For products of up to L550 x W280 mm, and up to 15 kg.
- 1 top labeller, direct thermal printing, 4" printhead and piston applicator.
- Performance*: 100 labels/minute (with L60 x W60 mm labels and product up to L120 mm and 0.5 kg). Up to 120 labels/minute with air-jet applicator. In MID conditions (M).

(M) Optional

LS-5000
600/600/800x400

- 1 infeed and 1 weighing L600 x W400 mm conveyor, and 1 labelling L800 x W400 mm conveyor.
- For products of up to L550 x W400 mm, and up to 15 kg.
- 1 top labeller, direct thermal printing, 4" printhead and piston applicator.
- Performance*: 100 labels/minute (with L60 x W60 mm labels and product up to L120 mm and 0.5 kg). Up to 120 labels/minute with air-jet applicator. In MID conditions (M).

(M) Optional

LS-5000
800/800/800x280

- 1 infeed and 1 weighing L800 x W400 mm conveyor, and 1 labelling L800 x W400 mm conveyor.
- For products of up to L750 x W280 mm, and up to 15 kg.
- 1 top labeller, direct thermal printing, 4" printhead and piston applicator.
- Performance*: 100 labels/minute (with L60 x W60 mm labels and product up to L120 mm and 0.5 kg). Up to 120 labels/minute with air-jet applicator. In MID conditions (M).

(M) Optional

LS-5000
800/800/800x400

- 1 infeed and 1 weighing L800 x W400 mm conveyor, and 1 labelling L800 x W400 mm conveyor.
- For products of up to L750 x W400 mm, and up to 15 kg.
- 1 top labeller, direct thermal printing, 4" printhead and piston applicator.
- Performance*: 100 labels/minute (with L60 x W60 mm labels and product up to L120 mm and 0.5 kg). Up to 120 labels/minute with air-jet applicator. In MID conditions (M).
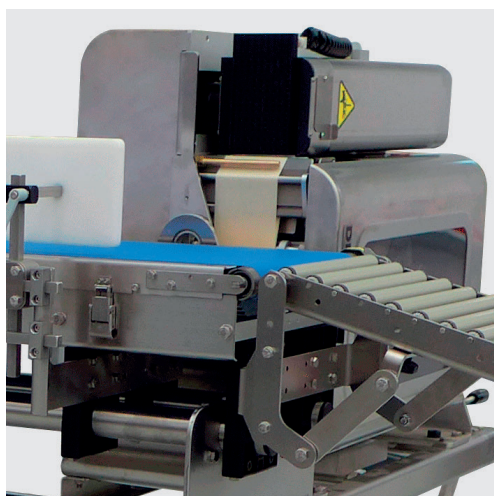
(M) Optional

* 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, dimensions and characteristics of the label, and MID conditions (M).
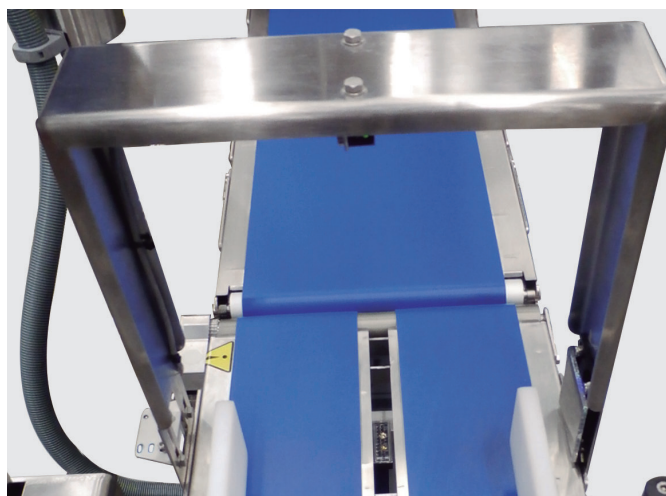
Options

> 90º rotating applicator

Option	Characteristics	Ref.
Column for 15' TFT screen (separate from electrical cabinet)		Contact us
Independent rack module for rejection conveyors		Contact us
Additional frame module to the main frame	Frame extension necessary when the length of the equipment + sequencing conveyor and/or reject conveyor exceeds 1,500 mm.	Contact us
Additional L300 X W200 mm sequencing conveyor*	Frame extension not included..	Contact us
Additional L400 X W280 mm sequencing conveyor*	Frame extension not included.	Contact us
Additional L600 X W280 mm sequencing/rejection conveyor*	Frame extension not included.	Contact us
Additional L600 X W400 mm sequencing/rejection conveyor*	Frame extension not included.	Consultar
Additional L800 X W280 mm sequencing/rejection conveyor*	Frame extension not included.	Contact us
Additional L800 X W400 mm sequencing/rejection conveyor*	Frame extension not included.	Contact us
Additional L1000 X W200 mm rejection conveyor*	Frame extension not included.	Contact us
Additional L1200 X W280 mm rejection conveyor*	Frame extension not included.	Contact us
Thermal transfer printing		Contact us
Air blowing applicator		Contact us
90º rotating applicator		Contact us

> Side labeller

> Detector on arch (horizontal + vertical)

| Option	Characteristics	Ref.
Side labeller for all the models	Includes head support frame. Long life 4" lateral print head, 8 dots/mm resolution and direct transfer printing.	Contact us
Air rejection system	Valid rejection system depending on the characteristics of the product to be rejected.	Contact us
Pusher piston rejection system	Valid rejection system depending on the characteristics of the product to be rejected.	Contact us
Paddle rejection system	Valid rejection system depending on the characteristics of the product to be rejected.	Contact us
Horizontal barrier detector	Replaces the horizontal detector.	Contact us
Detector on arch (horizontal + vertical)	Replaces the horizontal detector. For products with low height (e.g. envelopes).	Contact us
Standard packaging		Contact us
Wooden cage packaging	Essential depending on the destination.	Contact us
Cage packaging (maritime)	Essential depending on the destination.	Contact us
Metrological verification (M)	According to EU weighing directives (MID).	Contact us
Calibration		Contact us

* It is necessary to include the option separate frame module or additional frame module to the main frame whenever the length of the equipment is more than 1,500 mm.

Accessories
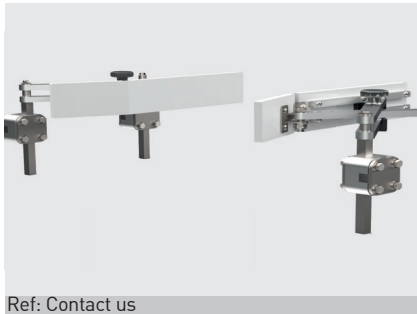
Ref: Contact us

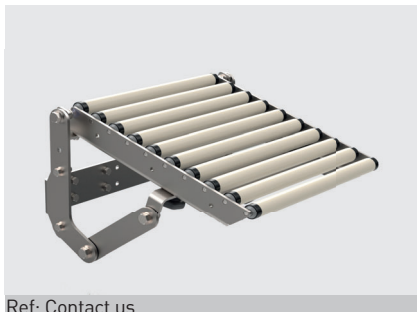**Cestilene guides**
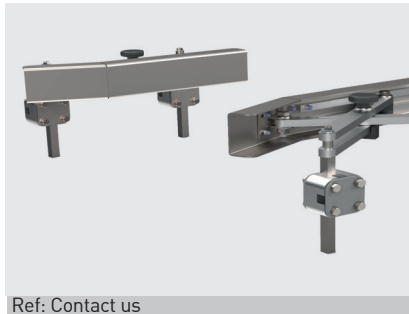
Ref: Contact us

Stainless steal guides

Ref: Contact us

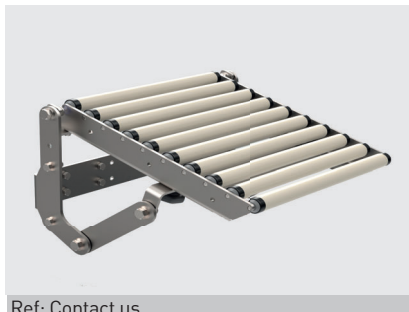**W200 mm exit ramp**

Not-motorised PVC rollers.

Ref: Contact us

W280 mm exit ramp

Not-motorised PVC rollers.

Ref: Contact us

W400 mm exit ramp

Not-motorised PVC rollers.

Ref: Contact us

W400 mm rejection ramp

Not-motorised PVC rollers.

Ref: Contact us

W600 mm rejection ramp

Not-motorised PVC rollers.

Ref: Contact us

W400 mm rejection ramp

Stainless steel.

Ref: Contact us

W600 mm rejection ramp

Stainless steel.

Ref: Contact us

Visual and audible alarm

Ref: PE52144

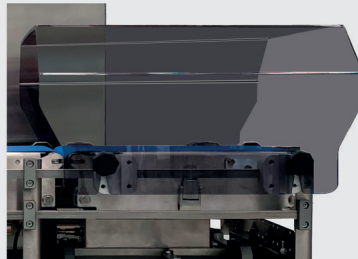**Protective cleaning cover for electrical cabinet**
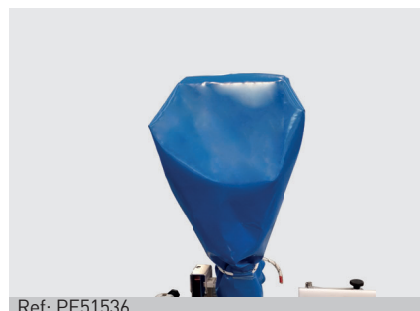
Ref: PE51536

Protective cleaning cover for 15" TFT screen on column
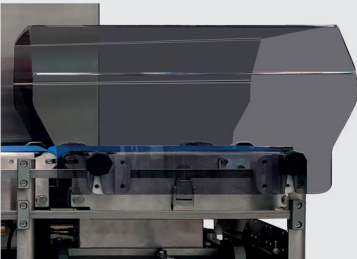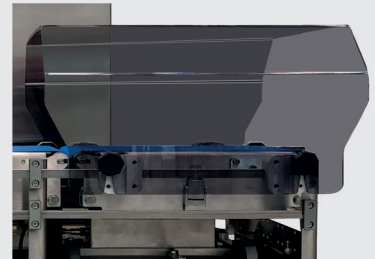
Ref: Contact us

Polycarbonate protector for L300 X W200 mm weighing conveyor
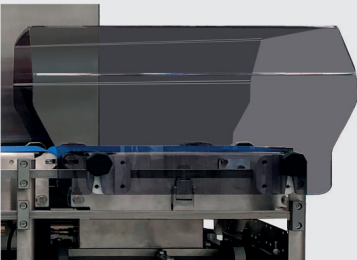
Required for range 1.5 kg/ 0.5 g.

Ref: Contact us

Polycarbonate protector for L400 X W280 mm weighing conveyor
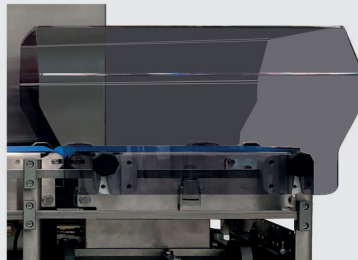
Ref: Contact us

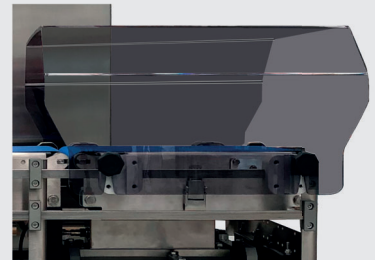**Polycarbonate protector for L600 X W280 mm weighing conveyor**

Ref: Contact us

Polycarbonate protector for L800 X W280 mm weighing conveyor

Ref: Contact us

Polycarbonate protector for L600 X W400 mm weighing conveyor

Ref: Contact us

Polycarbonate protector for L800 X W400 mm weighing conveyor

Ref: Contact us

W350 mm container for rejection

Includes stainless steel ramp and key access.

Ref: Contact us

W500 mm container for rejection

Includes stainless steel ramp and key access.

Ref: Contact us

W600 mm container for rejection

Includes stainless steel ramp and key access.