



# AUTOMATIC LABELLERS LS-3000 SERIES

Automatic weighing and labelling equipment.



# INFORMATION



**DYNAMIC OR  
STATIC  
WEIGHING**



**LABEL PRINTER  
3-4"**



**LABELLING  
IN MULTIPLE  
POSITIONS**



**8,000 PLUS  
MEMORY**

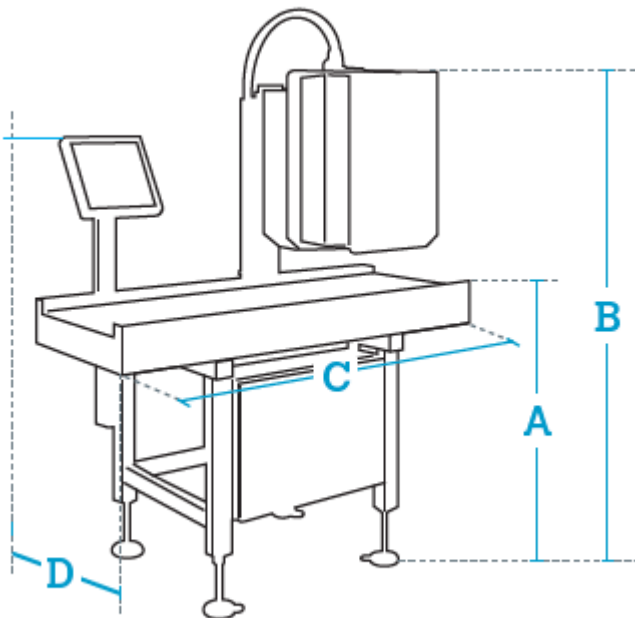


**ETHERNET**



**METROLOGICAL  
VERIFICATION  
OPTIONAL (EU)**

Dibal LS-3000 automatic weigh-price labeller allows the labelling of articles with fix or variable weight and price information without stopping the production line, due to dynamic weighing. For top, bottom or side labelling.



## Data in mm

<b>A</b>	800 - 950 (adjustable legs)
<b>B</b>	1,450 - 1,860 (adjustable legs)
<b>C</b>	1,320 (for L400 3 conveyors)*
<b>D</b>	720 (for W280 conveyors)*

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

\*\* For other sizes, consult.

## OUTSTANDING FUNCTIONS

- **Labelling of fix/variable weight/price.**
- **Discrimination by weight checking.**
- **Orders management.**
- **Labelling of totals.**
- **Generic traceability on label.**
- **Adapted to comply with EU Regulation 1169/2011 referring to food information.**
- **Barcodes:**
  - EAN-8, EAN-13, EAN-128, CODE 128, ITF-14, GS1 Datamatrix and GS1 Databar (up to 4 codes per label).

## WEIGHING

- **Weighing type:**
  - 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 other, contact us.

## LABELLING SYSTEM

- **Printing type:**
  - Direct Thermal (DT) or Thermal Transfer (TT).
- **Printhead:**
  - Long-lasting 3" or 4".
- **Resolution:**
  - 8 dots/mm.
- **Label applicator type:**
  - Top labeller: "Air-jet®" (AA) or pneumatic piston.
  - Bottom labeller: by contact.
  - Side, front and rear labeller: pneumatic piston.
- **Position of the label applicator:**
  - Top, bottom or side labelling (front or rear, contact us).

## LABELS

- **Dimensions depending on the position of the label applicator and the inches of the printhead:**
  - Top, side, front or rear label: from W30 x L35 mm, up to W80 x L100 mm (3"). Up to W102 x L150 mm (4").
  - Bottom label: from W30 x L55 mm, up to W80 x L100 mm (3"). Up to W102 x L150 mm (4").

## CONSTRUCTION

- **Structure:**
  - AISI 304 stainless steel and anodized aluminium.
- **Belts:**
  - Material and characteristics: Rigid, polyurethane coating. With FDA approval.
- **Console:**
  - Material: stainless steel.
  - “Qwerty” keypad and backlit graphic LCD display.
  - Height of top labeller regulated from console.

## COMMUNICATION TO PC

- **Ethernet TCP/IP.**
- **RS-232.**

## PC SOFTWARE

- **RMS:** For equipment configuration, production data management and back up (LBS).
- **DLD:** For graphic design of labels.
- **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 5-8 bar).

## POSSIBLE INTEGRATION WITH OTHER EQUIPMENT

- **Dibal LP-3000 manual weigh-price labeller.**
- **Dibal GS-3000 batch collector (+ LP-3000).**
- **Aligner.**
- **Misaligner.**
- **90° deflector.**
- **Dibal MD-5000 metal detector.**
- **X ray inspection systems.**

## CUSTOM SOLUTIONS

At Dibal, we have professionals who work closely with our clients to design, develop and produce [customised solutions](#) in accordance with their specific needs. **Consult us!**

## MODELS

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## LS-3130 (1 CONVEYOR)

- Only 1 weighing and labelling L400 x W280 mm conveyor in static weighing.
- For products of up to L350 x W280 mm, and up to 10 kg.
- 1 top labeller, direct thermal printing, 3" printhead and "Air-Jet®".
- **Performance\***: 30 labels/minute (with labels of W60 x L60 mm, and products of up to L350 mm and 2 kg).

*\* 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).*

*Note: Metrological verification is not available for this model.*

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## LS-3330/5 (3 CONVEYORS)

- 1 infeed, 1 weighing and 1 labelling L400 x W280 mm conveyor.
- For products of up to L320 x W280 mm, and up to 10 kg (in dynamic weighing). Up to L350 x W280 mm in static weighing.
- 1 top labeller, direct thermal printing, 3" printhead and "Air-Jet®".
- **Performance\***: 60 labels/minute (with labels of W60 x L60 mm, and 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, dimensions and characteristics of the label, and MID conditions (M).*

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## LS-3330/7 (3 CONVEYORS)

- 1 infeed, 1 weighing and 1 labelling L400 x W280 mm conveyor.
- For products of up to L320 x W280 mm, and up to 15 kg (in dynamic weighing). Up to L350 x W280 mm in static weighing.
- 1 top labeller, direct thermal printing, 3" printhead and "Air-Jet®".
- **Performance\***: 60 labels/minute (with labels of W60 x L60 mm, and products of up to L200 mm and 2 kg). In MID conditions (M).
- Other dimensions conveyors are available.

*\* 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

OPTION	CHARACTERISTICS	REF.
<b>4" printhead</b>	Labels up to W102 x L150 mm.	Contact us
<b>Thermal transfer printing</b>	For 3" or 4" printhead.	Contact us
<b>1 pneumatic piston applicator (to replace the "Air-jet®")</b>		Contact us
<b>Extra piston kit (in addition to the chosen applicator)</b>	For the application of labels of different sizes, an additional piston may be required. Interchangeable with the chosen applicator.	Contact us
<b>Bottom labeller (to replace the top labeller) for models: LS3330/5 3 conveyors - LS3330/7 3 conveyors</b>	Label application by contact, 3" printhead and direct thermal printing. Label dimensions: from W30 x L55 mm, up to W102 x L150 mm. Performance*: 40 labels/minute (with labels of W60 x L60 mm). <i>* 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).</i>	Contact us
<b>Front or rear side labeller (to replace the top labeller)</b>	Recommended for boxes.	Contact us
<b>Side labeller (to replace the top labeller)</b>	Recommended for boxes.	Contact us
<b>L600 x W280 mm conveyor</b>	To replace L400 mm conveyor of Ls-3330/7 - 3 conveyors model.	Contact us
<b>L800 x W280 mm conveyor</b>	To replace L400 mm conveyor of Ls-3330/7 - 3 conveyors model	Contact us
<b>L1,000 x W280 mm conveyor</b>	To replace L400 mm conveyor of Ls-3330/7 - 3 conveyors model.	Contact us

<b>OPTION</b>	<b>CHARACTERISTICS</b>	<b>REF.</b>
<b>L400 x W400 mm conveyor</b>	To replace L400 mm conveyor of Ls-3330/7 - 3 conveyors model.	Contact us
<b>L600 x W400 mm conveyor</b>	To replace L400 mm conveyor of Ls-3330/7 - 3 conveyors model.	Contact us
<b>Split belt</b>	For transparent packs or irregular shape/cylindrical products.	Contact us
<b>Detectors at 45 °</b>	For transparent packs or irregular shape products. Infeed conveyor with split belt necessary.	Contact us
<b>Right to left operation</b>	Standard operation: left to right.	Contact us
<b>DIS software</b>	Equipment configuration and production data management. (See section on software).	Contact us
<b>RMS Software</b>	Equipment configuration, production data management and back up (LBS). (See section on software).	7340R1U3 / 7340RNU3
<b>DLD Software</b>	Graphic design of labels. (See section on software).	7340L1U3 / 7340LNu3
<b>Wi-Fi</b>	Wireless communications.	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

## ACCESSORIES

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### MOTORISED CONVEYOR

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



### W280 EXIT RAMP

Non-motorised PVC rollers for W280 mm conveyor.



### W400 EXIT RAMP

Non-motorised PVC rollers for W400 mm conveyor.



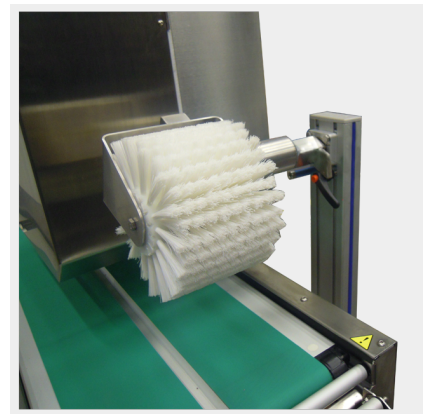
### PRODUCT GUIDING SYSTEM IN INFEEED CONVEYOR (STANDARD)

For special guides, contact us.



### BARCODE READERS

Contact us about applications.



### LABEL FIXERS

For a better application of labels on products with irregularities on the application surface.

Options: brush roll, foam roll, foam piston, etc.





## ROLLERS CONVEYOR

Rollers conveyor for transporting or accumulating products.

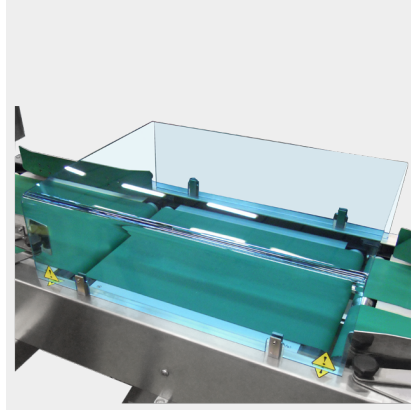


## PRODUCT TURNING DEVICE

To change the position or orientation of the products

## ROTATING TABLE

To collect wrapped and/ or labelled products.



## POLYCARBONATE PROTECTOR FOR L400 X W280 MM WEIGHING CONVEYOR

To avoid external disturbances during the weighing process.

## REJECTORS

Rejection system.

Options: pneumatic piston, "Air-Jet®", rotating blade or folding conveyor.



## 4 WHEELS WITH BRAKES

Stud included.



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