

AUTOMATIC C-WRAP  
WEIGH-PRICE LABELLER

# CLS-4000



Image of  
CLS-4300 IP



**WEIGHING**  
DYNAMIC OR  
STATIC



**LABEL  
PRINTER**  
PRINTHEAD / 3-4"



**C-WRAP  
LABELLING**



**8.000 PLUs**  
MEMORY



**TOUCH SCREEN  
CONSOLE**  
OPTIONAL



**ETHERNET**



**METROLOGICAL  
VERIFICATION**  
OPTIONAL

# Specifications:

## Main features

- **A small-sized unit, which makes it easier to integrate into pre-existing lines.**
- **Easy to change tray size, which reduces changing times:**
  - Automatic motorized adjustment of the belts, optional.
- **Allows labels of up to L500 mm.**
- **Prints Windows fonts and logos.**

## 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 with conveyor of up to L400 x W280 mm.
  - 10 kg/5 g, 3 kg/1 g or other, contact us.

## Labelling system

- **Printing type:**
  - Thermal Transfer (TT). Possibility of including ribbon saver.
- **Printhead:**
  - Long-lasting 4".
- **Resolution:**
  - 8 dots/mm.
  - 12 dots/mm, optional.
- **Printing speed:**
  - Up to 406,4 mm/s.
- **Label applicator type:**
  - By contact/drag.

## Labels

- **Dimensions depending on the inches of the printhead:**
  - From W40 x L125 mm, up to W131 x L500 mm (4").

## Construction

- **Structure:**
  - Material: AISI 304 stainless steel and anodized aluminium.
- **Protective cover for C labeller (optional):**
  - Material and characteristics: stainless steel AISI 304, with protection against water.
- **Belts:**
  - Material and characteristics: polyurethane, rigid or elastic depending on the equipment range, with FDA approval.
- **Console:**
  - Material: stainless steel.
  - "Qwerty" keypad and backlit graphic LCD display.
  - Optional 15" TFT touch screen.

## Communication to PC

- **Ethernet TCP/IP.**

## PC software

- **RMS:** for equipment configuration, production data management and back up (LBS).
- **DLD:** for graphic design of labels.
- **DRC:** for remote control of the console.
- **Integration tools:** see section on software.

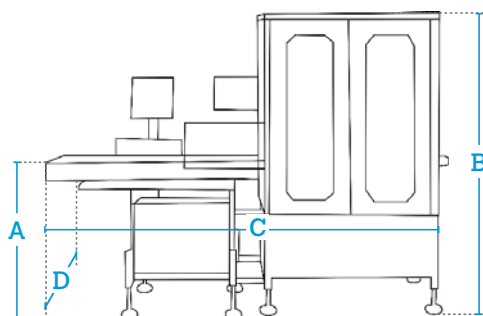
## Power supply & compressed air

- **Electrical:** 230 V y 50 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.**
- **Aligner.**
- **Misaligner.**
- **90° deflector.**
- **Dibal MD-5000 metal detector.**
- **X ray inspection systems.**

## DIMENSIONS



DATA IN mm

<b>A</b>	850 - 950 (adjustable legs)
<b>B</b>	1,950
<b>C</b>	2,600*
<b>D</b>	1,100 (for W280 conveyors)**

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

\*\* For other sizes, contact us.

# Models



## CLS-4300

- 1 separation conveyor, 1 infeed conveyor and 1 weighing conveyor of L400 x W280 mm (with polycarbonate protector).
- For products of from L60 x W60 x H40 mm up to L300 x W280 x H100 mm (for other dimensions, consult us).
- 1 C labeller, thermal transfer printing, 4" printhead and label applicator by contact/drag, with 1 exit conveyor of L400 x W280 mm.
- Performance\* in MID conditions (M):
  - 45 labels/minute (with labels of W60 x L320 mm, and products of up to L200 mm and 2 kg).



## CLS-4300 IP

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- For products of from L60 x W60 x H40 mm up to L300 x W280 x H100 mm (for other dimensions, consult us).
- 1 C labeller, thermal transfer printing, 4" printhead and label applicator by contact/drag, with 1 exit conveyor of L400 x W280 mm.
- Water protection kit: protected engines, bearings with lock, packaging gland, special load cell and heated detector, and protective cover for C labelling system.
- Performance\* in MID conditions (M):
  - 45 labels/minute (with labels of W60 x L320 mm, and products of up to L200 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).

# Options



> [Touch screen console](#)

## Option

## Characteristics

## Ref.

<b>Touch screen console</b>	TFT 15".	Contact us
<b>12 dots/mm resolution</b>		Contact us
<b>Ribbon saver</b> (in C labeller)	For thermal transfer printer.	Contact us
<b>Automatic motorized adjustment of the belts</b>	Reduces tray format changing times.	Contact us
<b>L350 x W200 mm conveyors</b> (to replace L400 x W280 mm conveyors)	Infeed, separation and weighing.	Contact us
<b>L600 x W280 mm conveyors</b> (to replace L400 x W280 mm conveyors)	Infeed, separation and weighing.	Contact us
<b>Right to left operation</b>	Standard operation: left to right.	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>DRC software</b>	Remote console application.	Contact us
<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



Ref: Contact us

## Motorised conveyor

Infeed/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

Rollers conveyor for transporting or accumulating products.



Ref: Contact us

## Rotating table

To collect wrapped and/or labelled products.

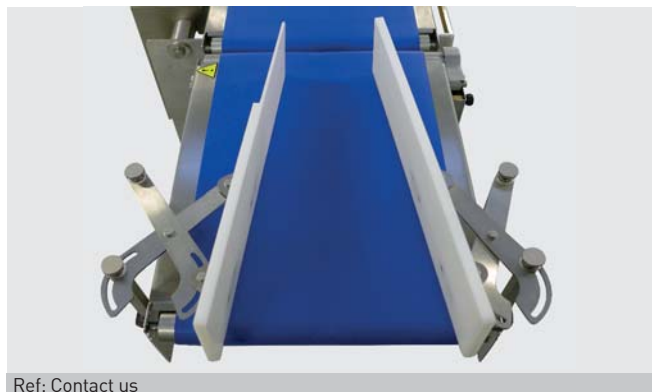


Ref: Contact us

## Rejectors

Rejection system.

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



Ref: Contact us

## Product guiding system (standard)

For special guides, contact us.



Ref: Contact us

#### **Product turning device**

To change the position or orientation of the products.



Ref: Contact us

#### **Label fixers**

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

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



Ref: Contact us

#### **Polycarbonate protector for weighing conveyor**

To avoid external disturbances during the weighing process.  
For CLS-4400 Top and CLS-4400 Top+Under models.



Ref: Contact us

#### **4 wheels with brakes**

Stud included.