

AUTOMATIC C-WRAP  
WEIGH-PRICE LABELLER

# CLS-4500



**WEIGHING**  
DYNAMIC OR  
STATIC



**4" PRINTER**



**C-WRAP  
LABELLING**



**"FULL WRAP"  
LABELLING**  
OPTIONAL



**LABELLING  
IN MULTIPLE  
POSITIONS**  
OPTIONAL



**8,000 PLUs  
IN MEMORY**



**ETHERNET**



**METROLOGICAL  
VERIFICATION**  
OPTIONAL (EU)

## 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 L340 mm.
- Optionally, the equipment is prepared for the upper and / or lower application of labels and for "full wrap" labelling.
- Prints Windows fonts and logos.

## Outstanding functions

- Labelling of fix/variable weight/price.
- Discrimination by weight checking.
- Orders management.
- Labelling of totals (3 levels).
- 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).
- Maximum of free texts per article:
  - Up to 30.
- Maximum of logos per label:
  - Up to 999.
- Maximum of fonts:
  - Up to 90 (true type).
- Maximum of label formats:
  - Up to 999.
- Upstream and downstream (connections included).

## 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:
  - C labelling or "full wrap": Thermal Transfer (TT). Ribbon saver, optional.
  - Top and/or under labelling: Direct Thermal (DT) or Thermal Transfer (TT).
- Printhead:
  - C labelling/"full wrap": long-lasting 4".
  - Top &/or under labelling: long-lasting 4".
- Resolution:
  - 8 dots/mm.
- Printing speed:
  - C labelling module: up to 406.4 mm/s.
  - Second top labeler and under labeler: up to 250 mm/s.
- Label applicator type:
  - C labelling or "full wrap": contact/drag.
  - Top labelling: "Air-jet@" (AA) or pneumatic piston, optional.
  - Under labelling: contact.

## Labels

- Dimensions depending on the position of the label applicator:
  - C labelling module:
    - C labelling: from W60 x L120 mm, up to W80 x L340 mm.
    - "Full wrap": consult us.
    - Top labelling: from W60 x L60 mm, up to W80 x L140 mm.
  - Top labelling module: from W40 x L40 mm, up to W102 x L120 mm.
  - Under labelling module: from W40 x L40 mm, up to W102 x L120 mm.

## 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 (in sequencing, infeed, weighing and separation conveyors):
  - Material and characteristics: rigid or elastic polyurethane, depending on the equipment range, with FDA approval.
- Console:
  - Material: Stainless steel.
  - "Qwerty" keypad and backlit graphic LCD display.
  - Guides: it includes standard product guiders in sequencing and separation conveyors.

## Communication to PC

- Ethernet TCP/IP.

## PC Software

- DIS: 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.
- Air: max. 150 l/min (at 6-8 bar).

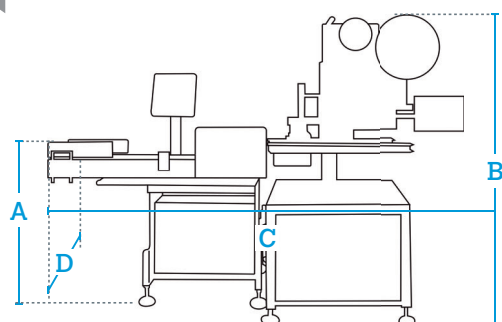
## Energy consumption

- 1.25 kW.

## Possible integration with other equipment

- Dibal LP-3000 manual weigh-price labeller (for labels of totals).
- Dibal GS-3000 batch collector (+ LP-3000, for labels of totals).
- Dibal MD-5000 metal detector.
- ZPL protocol printers.

## DIMENSIONS



### DATA IN mm

<b>A</b>	850 - 950 (adjustable height)
<b>B</b>	1,750
<b>C</b>	2,850*
<b>D</b>	1,015 (for W280 conveyors)**

\* These measurements correspond to the sum of the sequencing, infeed, weighing and separation, and in C labelling conveyors, in CLS-4500 model. For other models, contacts us. For other sizes, contacts us.

\*\* For other sizes, contacts us.

# Models



## CLS-4500

- 1 sequencing conveyor, 1 infeed conveyor, 1 weighing conveyor (with polycarbonate protector) and 1 separation conveyor of L400 x W280 mm.
- For products from L80 x W80 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.
- Performance\* in MID conditions (M):
  - 60 labels/minute (with labels of W60 x L320 mm, and products of up to L200 mm and 2 kg).

**M** Optional



## CLS-4500 Top

- 1 sequencing conveyor, 1 infeed conveyor, 1 weighing conveyor (with polycarbonate protector) and 1 labelling conveyor of L400 x W280 mm.
- For products from L80 x W80 x H40 mm up to L300 x W280 x H100 mm (for other dimensions, consult us).
- 1 top labeller, direct thermal printing, 4" printhead and label applicator by piston.
- 1 C labeller, thermal transfer printing, 4" printhead and label applicator by contact/drag.
- Performance\* in MID conditions (M):
  - 80 labels/minute in top labeller (with labels of W60 x L60 mm, and products of up to L200 mm and 2 kg).
  - 60 labels/minute in C labeller (with labels of W60 x L320 mm, and products of up to L200 mm and 2 kg).

**M** Optional



## CLS-4500 Under

- 1 sequencing conveyor, 1 infeed conveyor, 1 weighing conveyor (with polycarbonate protector) and 1 under labelling conveyor of L400 x W280 mm.
- For products from L80 x W80 x H40 mm up to L300 x W280 x H100 mm (for other dimensions, consult us).
- 1 under labeller, direct thermal printing, 4" printhead and label applicator by contact.
- 1 C labeller, thermal transfer printing, 4" printhead and label applicator by contact/drag.
- Performance\* in MID conditions (M):
  - 80 labels/minute in under labeller (with labels of W60 x L60 mm, and products of up to L200 mm and 2 kg).
  - 60 labels/minute in C labeller (with labels of W60 x L320 mm, and products of up to L200 mm and 2 kg).

**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).

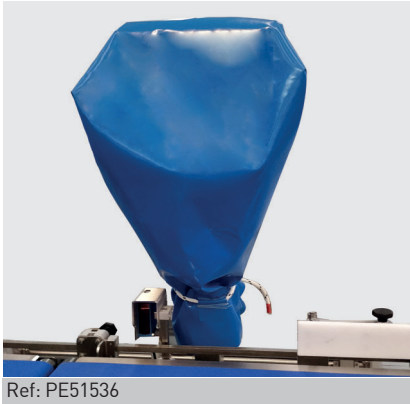
# Options



> [Fairing](#)

Option	Characteristics	Ref.
C/Top applicator	It allows working in "C-Wrap" or top modes. Replaces the C applicator.	Contact us
Thermal transfer printing	In top and bottom labeller.	Contact us
"Full wrap" labelling	It allows working with "C" label or "full wrap" label.	Contact us
Horizontal barrier detector		Contact us
IP65 protection kit (equivalent)	Motors with protective casing. The fairing is necessary.	Contact us
Fairing	Protective cover in the C labelling system or in "full wrap" labelling system.	Contact us
L600 x W280 mm conveyor	To replace L400 x W280 mm conveyor.	Contact us
Right to left working direction	Standard working direction: from left to right.	Contact us
DIS software	Equipment configuration, received data management and backup (LBS). (See software section).	7340ENW3
DIS+DLD software	Equipment configuration, received data management, backup (LBS) and graphic label design. (See software section).	7340ENW3+ 7340YNW3
DLD software	Label graphic design. (See software section).	7340YNW3
Standard packaging		Contact us
Cage packaging	Necessary depending on the destination.	Contact us
Metrological verification (M)	According to EU weighing directives (MID).	Contact us

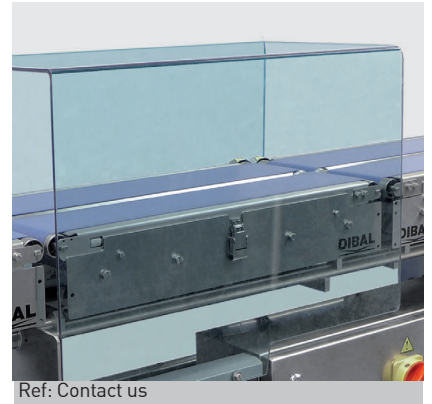
# Accessories



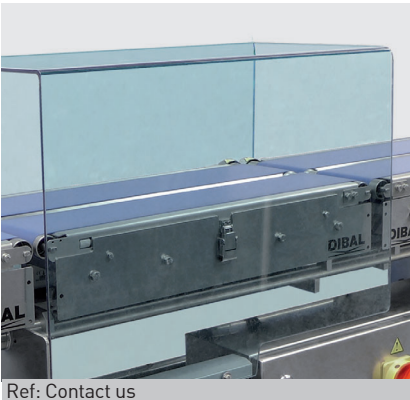
**Protective cleaning cover for console**



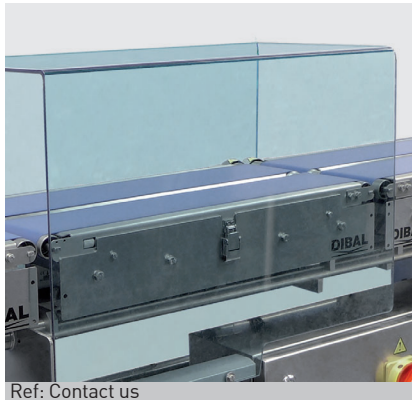
**Stainless steel guides (to replace cestilene guides)**



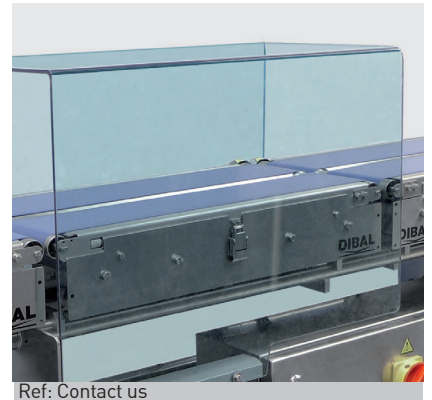
**Polycarbonate protector for L300 x W200 mm weighing conveyor**



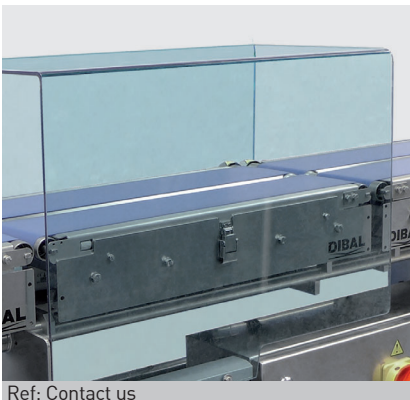
**Polycarbonate protector for L400 x W280 mm weighing conveyor**



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



**Polycarbonate protector for L800 x W280 mm weighing conveyor**



**Polycarbonate protector for L400 x W400 mm weighing conveyor**



**Polycarbonate protector for L600 x W400 mm weighing conveyor**



**Polycarbonate protector for L800 x W400 mm weighing conveyor**