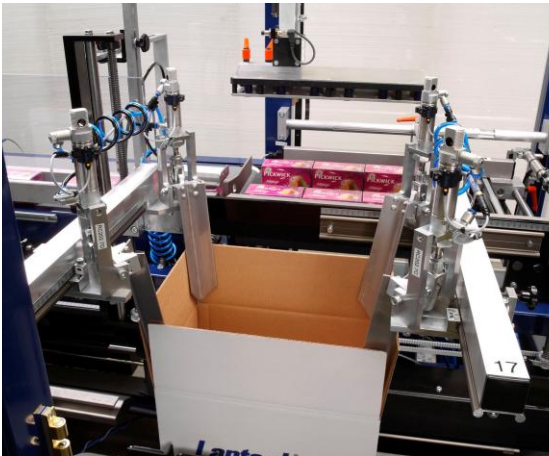


MaskinSystem



Case-Packer CP-300



 **Smurfit Kappa**
Wellpack

Smurfit Kappa Wellpack
Box 1104, SE-241 26 Eslöv, Sweden
Tel +46 413 68000
Fax +46 413 68005
wellpack@smurfitkappa.se
www.wellpack.se

Machine description / technical specifications:

LANTECH CASE PACKER CP-300



The CP-300 is a case packer from the standard Lantech series. All standard equipment use proven techniques from Lantech's machine program. This very compact top loader erects a case, and places this case in the loading position. Then a pick and place unit takes the products from the integrated in feed conveyor and places them in the case. Then the loaded case leaves the machine. Its modest dimensions make integration in almost every production environment possible. Converting into another box size takes about 3 minute. The components incorporated in our machine have been selected with the utmost care in order to guarantee our customers years of maximum performance from their installation.

The CP-300 is different because:

The case erecting part:

The machine is loaded with blanks in an easy way. From the ergonomic blank magazine a blank is picked and opened by the unique vacuum suction frame which holds it firmly on two sides with 8 suction cups. Then the short bottom flaps are folded in and after that the long ones. After all the flaps are folded in, the vacuum is turned off. At that moment the pusher pushes the case into the tape closing unit where the case is closed on the bottom side. Hereafter the case will leave the machine and a **new blank is picked up (new cycle)**.



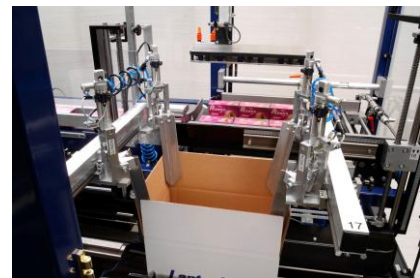
The "Easy Learn" pick up system:

This pick & place system utilises 2 servo motors with a Motion Control unit and a Vacuum pick up head. The height of the product and the amount of layers in a case is entered. Then the pick up head is placed manually with the "jog" function on the pick up and release position. These positions are stored in the memory. The products will be placed in the case per layer.



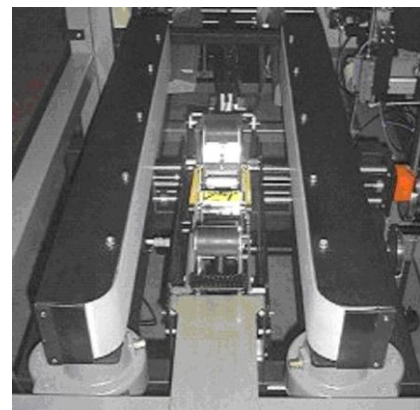
The centring frame:

Standard the machine is equipped with a height adjustable centring frame. Four moving guides open the upper flaps of the case, to ensure that the products are guided in the case. After the case is completely filled, four separate cylinders push the guides out of the case to enable the filled case.



Closing unit:

The CP-300 is equipped with a tape closing unit. The tape closing unit consists of two conveyor belts that transport the case while the tape is being applied on the bottom of the case. The belts are specially designed to prevent the case from going up. When the tape closing unit will not be used it is replaced by a cover plate. Replacement is very easy.



Touch Screen Panel:

The operator control box is standard equipped with a Touch Screen Panel, on which all necessary settings can be made. All possible messages will appear on the Touch Screen Display.

**The Product in feed conveyor:**

The product in feed conveyor is 350 mm wide to be able to utilize the full range of the case erector.

Execution of the CASE PACKER CP-300:

- Integrated operator panel / display with emergency stop
- Welded frame
- Blanks magazine with side pushers
- Shielding transparent (clear)
- Check "perfectly erected case"
- Check "empty magazine" for blanks
- With photocell "discharge free"

Protective coating and environment:

Protective coating colour RAL nr. 5003 (blue) / RAL 7011 (grey)

The machine is suitable for operation in a dry environment at a temperature between +3°C and +40°C

Specification of frame:

- Machine output from right or left, to be determined later
- Delivery from the machine in conformity with CE norm
- The machine will be delivered inclusive 1 manual (Operator manual in language of delivery. Technical manual in English)
- More specimens are available against surcharge

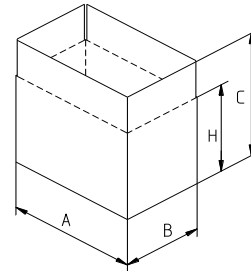
Options and execution:

- Complete detection with beacon lights. Almost run out of tape / broken , blank magazine almost empty / empty
- Other RAL colour than RAL 5003 / RAL 7011
- Minimum case width 140 mm
- Discharge free on distance, machine in standby position
- Product in feed system with lane divider (max 3 rows)
- Multiple row vacuum pick-up head (max 3 rows)
- Centring device for cases without upper flaps

Case dimensions

The case dimensions of cases that can be closed on this machine are:

	Minimum		Maximum	
Length (A)	200	mm	500	mm
Width (B)	150	mm	350	mm
Height (H)	120	mm	500	mm
Height (C)	150	mm	600	mm



Corrugated quality:

B-, C-, and/or C-wave or combination of these
For other qualities please send us cartons to assess

Product dimensions:

Minimum Maximum
Length 70 mm 500 mm
Width 70 mm 350 mm
Height 30 mm 300 mm

Max C-height case + product height 690 mm

Space between the complete product formation and inside case dimension 4 – 6 mm

Dimensions of the pick up head:

Minimum Maximum
Length 200 mm 500 mm
Width 150 mm 350 mm

Capacity:

Max. 10 cases or max 25 pick up movements per minute, this information is depending on: Height – weight -, and formation of the products.

The ultimate capacity from the machine can be specified after a capacity calculation.

Max weight per movement is 16 Kg (incl. Pick up Head), depending on the porosity of the material and the speed.

Technical Specifications:

- Electrical connection : 3L – N - PE 400 Vac / 50 Hz ~
- Installed power : 1, 5 KW
- Compressed air connection : 1/4"
- Air consumption : 35-45 NI / box (depending on formation)
- Weight of the machine : 850 Kg
- Machine length : 2140 mm.
- Machine width : 2685 mm.
- Machine height : 2800 mm ± 30mm
- Machine height (frame) : 1800 mm ± 30mm
- Machine Out feed height : 600 mm ± 30mm
- Product in feed height : 950 mm ± 30mm

Lay-outs:

- Machine lay-out CP-300-R 2R11536
- Machine lay-out CP-300-L 2R11537
- Blank drawing Right 4R10338
- Blank drawing Left 4R10339

Technical specifications CP-300:

- Control box : Eldon (Colour RAL nr. 7032)
- Control box fan : Rittal
- Push buttons : Moeller
- Safety switches : Moeller
- Thermal cut-outs : Moeller
- Magnetic switches : Moeller
- Safety : Pilz
- Connecting terminals : Weidmuller
- Cable trunking : closed with tulle
- Main switches : Moeller
- PLC / Display : B & R
- Supply 24 V dc : Siemens
- Frequency control : Control Techniques
- Photo cells : Sick
- Proximity switches : Sick
- Pneumatic components : Festo
- Reed contacts : Festo
- Pneum. Conn. components : Festo
- Drives : Nord
- Servo drive : B & R Acopos
- Vacuum ejector (2 x) : Festo
- Door switch : Schmersal
- Tape dispenser : Lantech TH-250 width 38–50 mm, overlap 35 / 50 / 70 mm

Deflections in execution and to be applied components, are not possible in this CP-300.