Machine description / technical specifications:

LANTECH LID FORMER LF-1000:

The design of the machine incorporates the latest developments in lid application. It is an extremely user-friendly machine, which is simple to adjust.

From a horizontal magazine a blank is taken with vacuum and put in position. A mechanic pusher brings the blank to the forming mould.
During the transfer a very accurate timing of the glue injection is achieved on the glue flaps.

After reaching the lid application station the blank will be picked up and when the filled tray is in the right position below, the controlled movement will go downwards to the top of the tray.
In that position the lid is formed around the tray.
The folding unit will go back to the upper position and the tray with lid will exit the machine over the conveyor belt.

The Lid Former LF-1000 is equipped with several features such as:

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.

Solid construction:

The machine has a very solid construction for long life duration.

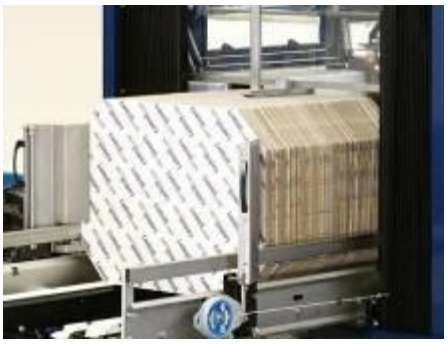
A-brand components:

All parts of the machine are equipped with reliable A-brand components.

Simplicity:

By application of simplicity in constructions and reliable components, maintenance will be minimized.

Ergonomic blank magazine:



In the ergonomic developed blank magazine blanks can easily be loaded due to the “walk-in” magazine. The magazine has in basic execution an effective length of 840 mm and with this length about 280 blanks can be stored. The blanks are positioned on side conveyors which transport these step by step towards the pick up section.
The adjustments of the side guiding of the blank magazine are done by hand wheels.
The adjustments can easily be read from counters and measure scales.

The vacuum pick up frame:

From the magazine a blank is taken with vacuum and put in position. Four snap-lock clips transport the blank to the forming head position. During transport the lid is glued, in order to form the lid on the tray.

The lid application station:

The tray/case is positioned in the station and held in position by 2 brackets for accurate lid application.
The lid will go downwards to the top of the tray with controlled movement. In that position the lid will be formed around the tray.
The folding unit will go back to the upper position and the tray with lid will exit the machine over the conveyor belt.

Execution of the Lid Former LF-1000

- Hot melt closing
- Wide range of lid sizes
- Shielding transparent (clear)
- Blank magazine with side pushers
- Warning “empty magazine” for blanks
- Throughput conveyor belt
- Tunnel on in feed and out feed side of the machine (safety)

Protective coating and environment:

Protective coating colour RAL nr. 7011 (grey)
The machine is suitable for operation in a dry environment at a temperature between +3°C and +40°C.
In case of operation of the machine in areas with:

- high humidity
- dusty and/or dirty environment
- explosive/hazardous environment
- salt water or other corrosive materials

The machine can be configured as such against extra price.

Specification of frame:

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

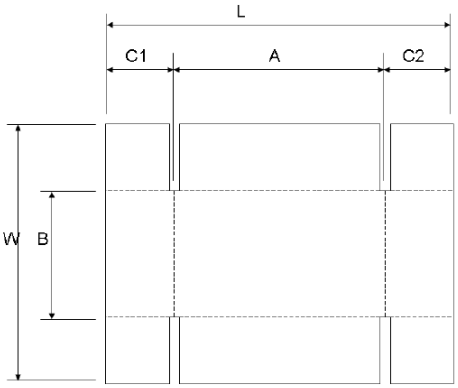
Possible options in executions:

- Other RAL colour than RAL 7011
- “Blank magazine almost empty” detection with beacon.
- “Hotmelt almost empty” detection with beacon
- Extended blank magazine
- Machine in stainless steel or other protective execution.
- Capacity increase to 15 lids per minute
- In feed separation unit

Size of lids:

The lid dimensions that can be processed on this Lantech Lid Former LF-1000 machine are:

	Minimum	Maximum
Lid Length A	285 mm	600 mm
Lid Width B	205 mm	400 mm
Lid Height C1=C2	40 mm	70 mm
Blank Length L	365 mm	740 mm
Blank Width W	285 mm	540 mm
Tray/Case Height	100 mm	400 mm
Minimum free height bottom tray/case to lid (= Tray/Case height – Lid height)		60 mm



Capacity:

Capacity: 10 lids per minute depending on quality (higher capacities possible)

Technical Specifications:

Electrical connection	:	3 x 400 - 50Hz. – N - earthed
Installed power	:	4,8 kW ±20%
Compressed air connection	:	1/4”
Air consumption	:	24 Nl / lid ±20%
Weight of the machine	:	1050 Kg.
Machine length	:	2800 mm
Machine width	:	2600 mm
Machine height	:	1800 mm ± 30 mm
In feed height Magazine	:	500 mm ± 30 mm
Out feed height	:	600 mm ± 30 mm