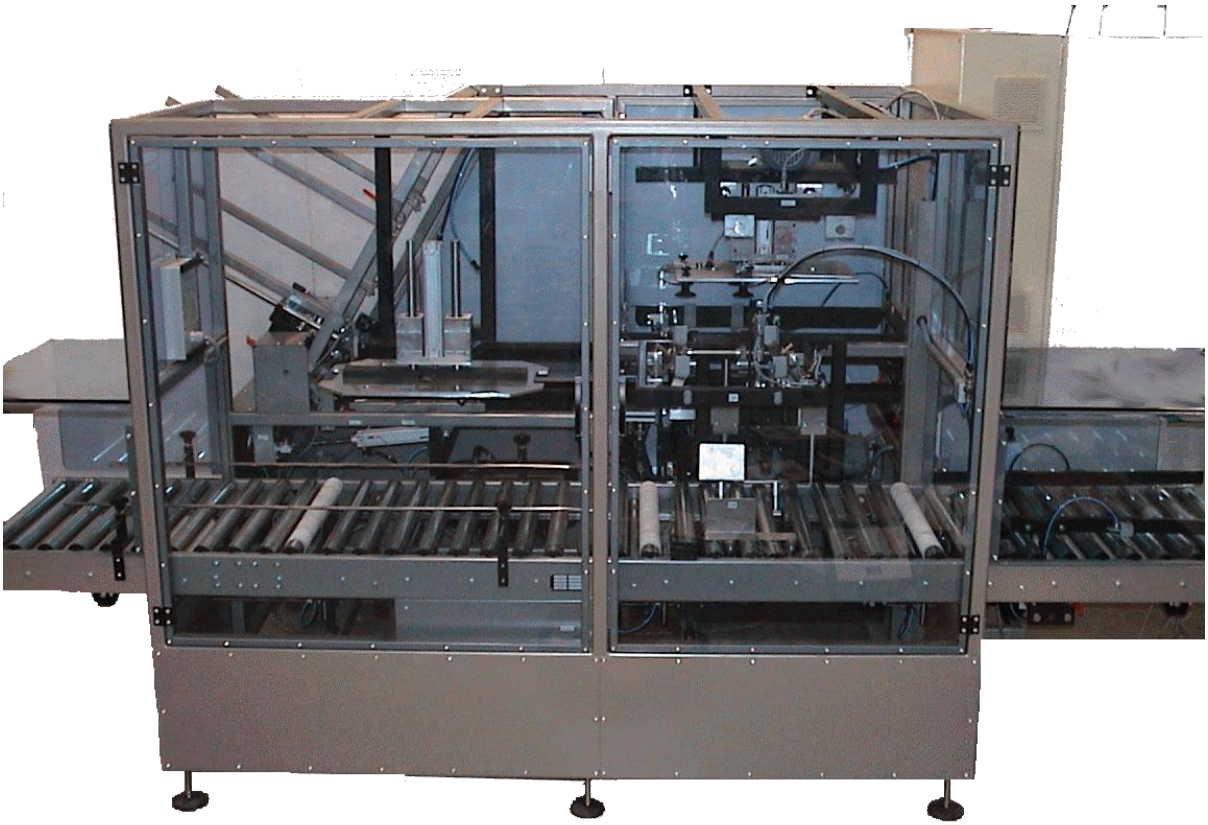
Machine description / technical specifications:

LANTECH LID FORMING MACHINE LF-2000 (Hotmelt-closure):



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

The unique feature of the LF-2000 is, that the lid is formed with a forming- and erecting window It doesn't use the tray-case to fold the lid. On this system a patent is pending.
This allows for very smooth handling of tray-cases, even when out of square or varying tolerance.

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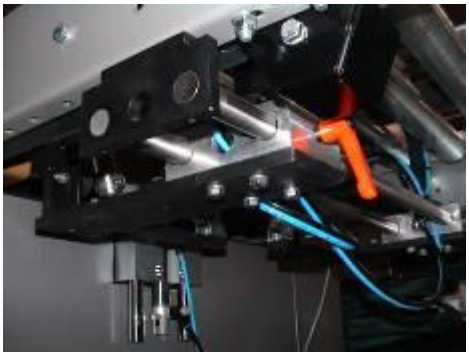
The LF-2000 is equipped with several features such as:

Easy operate control panel:

The machine is very easy to operate.

Easy tuning:

The machine is easy to tune and convert to another format. Adjustment by toggle and measure scales.



Solid construction:

The forming head is equiped with 4 pressure cylinders, to prevent ‘smearing’ of the glue.

Very solid construction for long life duration, forming moulds can be ordered afterwards when changing to another tray size.

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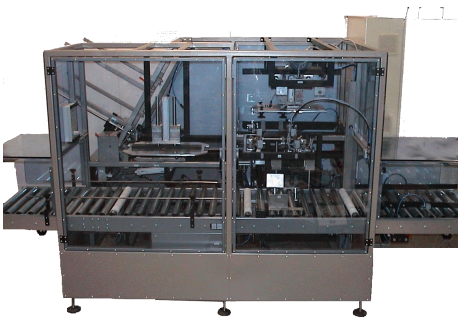
A-brand components:

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

Simplicity:

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



The vacuum pick up frame:

From a magazine a blank is taken with vacuum and put in position. A mechanic pusher brings the blank to the forming head. During the transport the lid is glued, in order to form the lid.

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Principle of operation of the LF-2000

From a magazine a blank is taken with vacuum and put in position. A mechanic pusher brings the blank to the forming head. During the transport the lid is glued, in order to form the lid.

When the blank is positioned under the forming mould, the blank will be lift up with a stamp into the forming head.
Afterwards the flaps and gluelips of the blanks are folded and in the highest position the glue will be pressed on 4 sides. After that the formed lid will be picked up with a vacuum pick-up head from the stamp and shall be transported to the erecting frame.
The erecting frame takes over the formed lid.

The tray is transported by roller conveyor under the erecting frame. After the tray is in position the erecting frame moves down with the lid.
The tray will also be centred by the “shoehorn” fingers.

In the lowest position of the erecting frame the lid is moved form the shoehorn fingers and positioned on the tray. Now the shoehorn fingers will open, and the erecting frame goes up again. In the highest position of the erecting frame the shoehorn fingers move to the start position again.

The tray with lid will leave the position underneath the erecting frame and will be transported to the lid pusher where the lid will be pressed on the tray.

Execution of the case erector LF-2000

- Hotmelt closing
- Wide range of tray sizes
- Shielding of 6 mm transparent (clear)
- Blank magazine with easy change of formats
- Warning “empty magazine” for blanks
- Tunnel on discharge side of the machine (safety)
- Warning by flash light on the operator panel

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 from right or left, to be determined later.
- Delivery of 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.

Possible options in executions:

- Other RAL colour than RAL 7011
- "Blank magazine almost empty" detection with beacon.
- Integrated operator panel / display
- Machine in stainless steel or other protective execution.

Size of lid:

The lid sizes, that can be processed on this Lantech lid forming / application machine are:

	Minimum	**Maximum**
Length	320 mm.	600 mm.
Width	200 mm.	400 mm.
Height	40 mm.	75 mm.
Caseheight	120 mm + Lid height.	360 mm.
Blank dimension	400 mm x 280 mm.	720 mm x 535 mm.

Capacity:

Capacity: maximum 18 lids per minute depending on quality.

Technical Specifications:

Electrical connection	:	3 x 400 - 50Hz. – N - earthed
Installed power	:	5,5 kW ±20%
Compressed air connection	:	1/4"
Air consumption	:	11,8 Nl / case ±20%
Weight of the machine	:	875 Kg.
Machine length	:	3235 mm.
Machine width	:	1570 mm.
Machine height	:	1950 mm. ± 30 mm.
Outfeed height	:	740 mm. ± 30 mm.

Samples:
The necessary 200 samples of each case size, for testing the machine, must be delivered to our address, carriage paid and free of charge.
You are kindly requested to add 1 bag of hotmelt granulate which is in use at your works.

Lay-outs:

Machine lay-out LF-2000 Left 3R11895
Machine lay-out LF-2000 Right 3R11894

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Technical specifications:

Control box	:	Rittal
Operating box	:	Bopla
Push buttons	:	Moeller
Selector switches	:	Moeller
Safety switches	:	Merlin Gerin
Thermal cut-outs	:	Moeller
Magnetic switches s	:	Moeller
Relays	:	Omron
Connecting terminals	:	Weidmüller
Main switches	:	Moeller
Safety	:	Pilz
PLC	:	Siemens S7 ET200
Frequency control	:	Lenze (only choice because off the operation off the machine)
Photo cells	:	Sick
Proximity switches	:	Sick
Pneumatic components	:	Festo
Drives	:	Nord
Vacuumpump	:	Becker
Vacuum valve	:	Festo
Electrical connection	:	3 x 400V - 50Hz. -Mp- earthed
Compressed air connection	:	1/4"
Hotmelt installation	:	Robatech Concept 5

Deflections in execution and to be applied components, which result in extra work fall out of the purpose of this quotation.