

LAP-L

Lean Automation Platform – Linear



Standardized platform,
but customized result



GTE

innovators in technical engineering

LAP-L



Blister entry

- Suitable for multiple formats
- Adjustable magazine
- Sensors indicating stock
- Refill during production

Modules

Standardized platform, but customized result

In the medical and pharmaceutical industries, products must be packed safely and adequately. That's not a problem for our LAP-L: a modular linear platform to which we can connect multiple modules and docking stations. With suitable options, we always meet your packaging and assembling needs.

The LAP-L is the basis of, for example, the LAP-L Blister filling and sealing machine. It's also the basis for machines processing pouches, blisters and cartons. The machine allows for easy changeovers to a different configuration:

- Flexible
- Accessible
- Medium to high production
- Minimal footprint

Input products: such as vials, syringes, needles, swabs and auto-injectors. To be supplied by:

- Anyfeeders
- Vibrating fillers
- Magazine
- Wip trays
- Inline infeed



Placing lids/sheets/pouches on blisters

- Double lid inspection
- Safe packaging



Carton folding

- Folding and gluing in various formats
- System to reduce changeover time



Insert/flute/inlay/partition forming

- Folding and gluing inserts into cartons
- Including pre-glued inserts

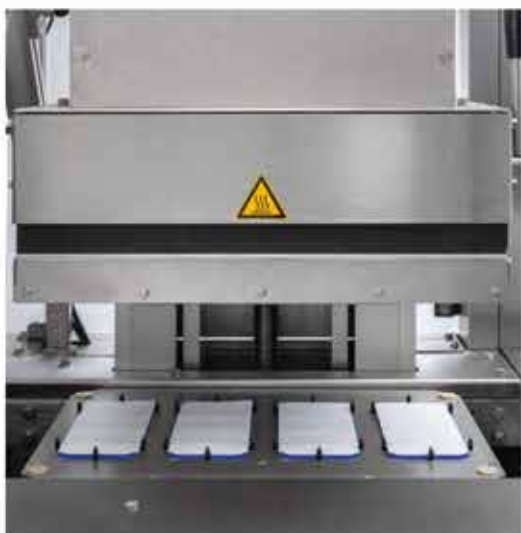


Example of feeding products:

Anyfeeder

- Anyfeeders with camera(s) and robot(s)
- Adjusted to desired speed
- Separate programme for emptying
- Option to extend with feed hopper
- Wide range of products possible

The LAP-L can be fully customized, using our various modules



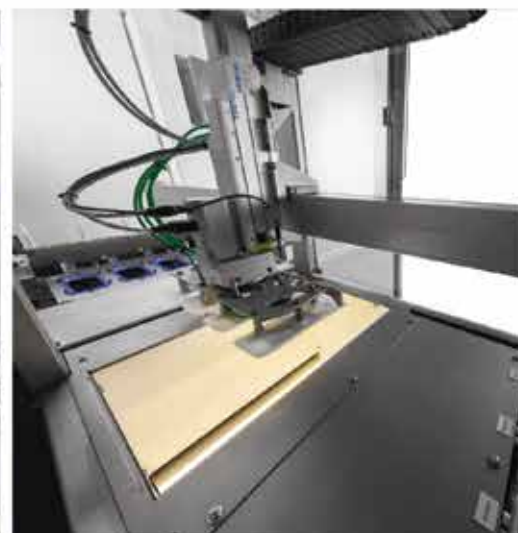
Sealing

- With desired temperature, force, time and speed
- Quick changeover mechanism for various formats
- Electrically driven
- High accuracy on desired force



Example infeed: vials

- Feeding plate with slider
- Rotating disc for separation
- Tilting mechanism for rotation
- Scara robot for positioning



Vision control

- Visual inspection (camera checks) possible for, amongst others:
 - Product presence
 - Lid orientation and correct placement
 - Contamination blister
 - Seal quality
 - OCR recognition
 - Print readability



Smart customization
Tailor-made machines
Assembly, packaging,
processing and handling

Control

The LAP-L control is based on Siemens, but other systems are possible. The machine is operated via an HMI at the front or rear of the LAP-L. This is where you start, stop and reset the machine. Each station separately can be switched to manual mode: you can easily change the settings. A separate screen shows exactly whether products have been approved or rejected at various stations. The LED lighting panels indicate the desired statuses per station with variously coloured lights.

Various systems are also possible for the main drive, such as a DTS+ system from Hepco Motion, the Linear Motion System from Beckhoff or a timing belt drive.

Dimensions

LAP-L	Height: 2.5 metres (can be lowered to 2 metres during transport)
Modules	1.2 x 0.9 metres (l x w)
	1.8 x 0.9 metres (l x w)

Want to know more?

Feel free to reach out! Contact us by calling +31 (0)77-397 13 05, or e-mail us at info@gte-engineering.nl.

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