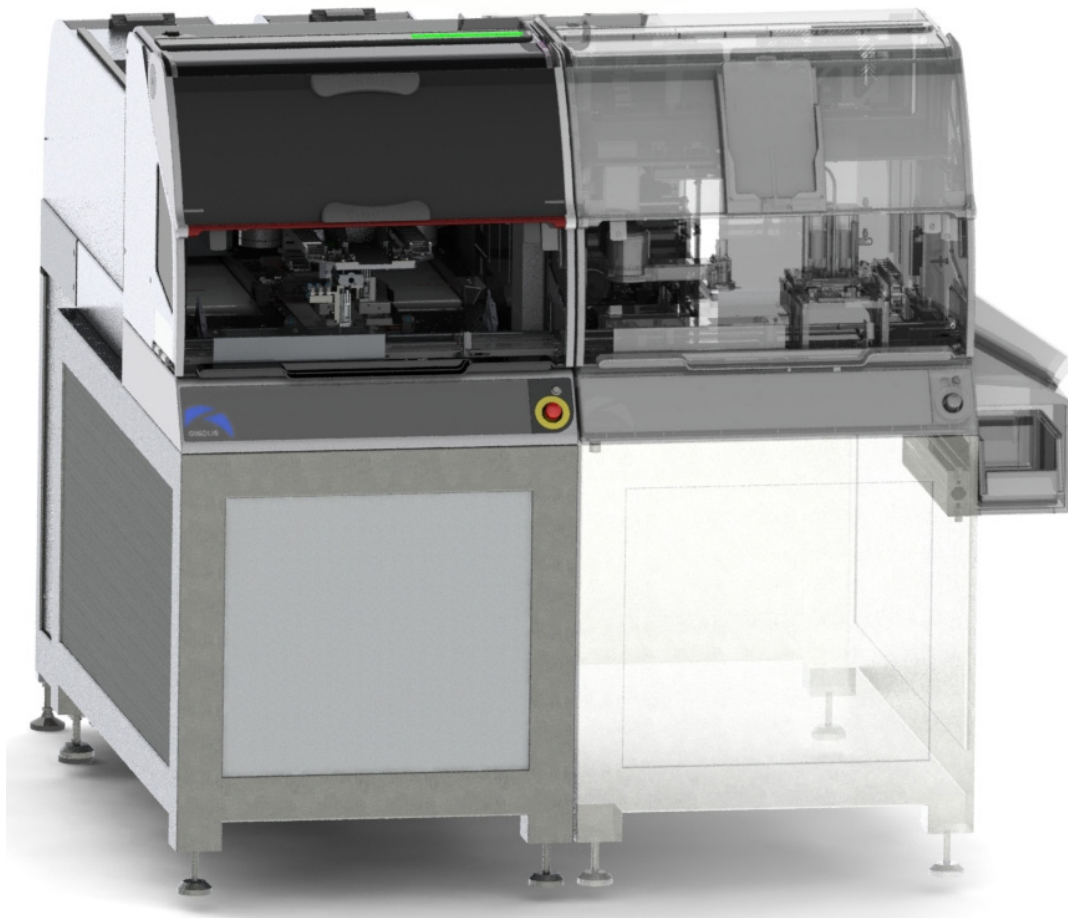


PRODUCT SHEET

Automated Infeed for LFDA-1

Feeding system for lateral flow
devices

*Quality infeed making sure your
cassettes are fed faultlessly*



Features

The Ginolis automated cassette parts feeding cell is an upgrade module designed for the LFDA-1 system, enabling fully automated feeding of cassette components for lateral flow device assembly.

Optimised for fast track to automated lateral flow test production

- Improve efficiency
- Eliminate human error
- Reduce production costs

Increased production capacity

- Up to 20 parts per minute (*)
- 3 million products per shift per year

Advanced design and technology

- Small footprint 2,5 m²/26 f²,
- Reliable quality using vision systems
- Ginolis Ginger software

Low entry barrier to automation

- Easy to set-up and use
- Short lead time
- Quick return on invest
- Future proof for different cassettes

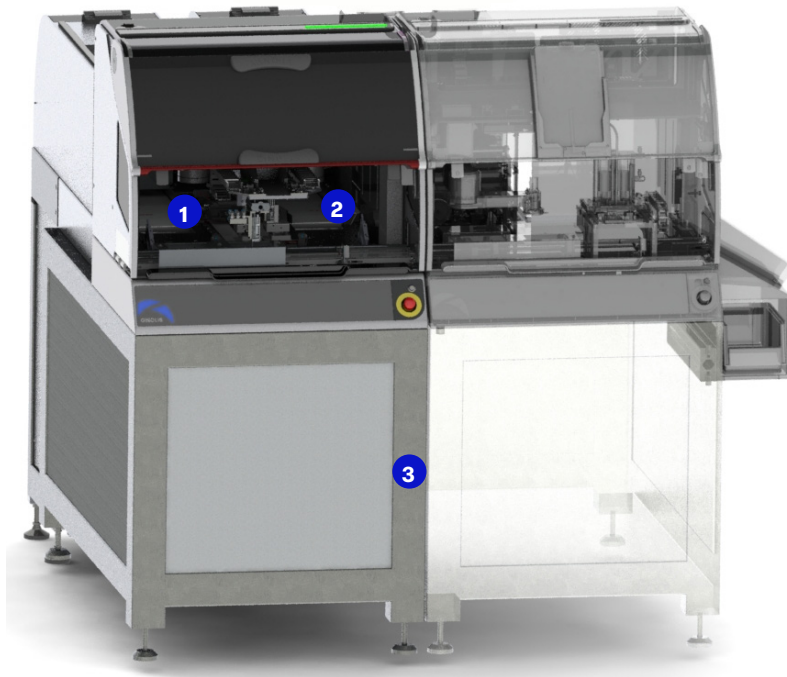
The feeding cell replaces manual part loading by operators, ensuring consistent part presentation, improved process stability, and reduced labor dependency. The module is designed for seamless integration into existing LFDA-1 systems, allowing straightforward retrofitting with minimal disruption to ongoing production.

With automated cassette parts feeding, the LFDA-1 system achieves throughput of up to 20 parts per minute, while maintaining a compact footprint of less than 3 m², making it suitable for cleanroom environments.

Capacity	Up To 20 ppm * Bulk volume: 40L: 20L per plastic housing
Infeed	Automated infeed of plastic housings
Plastic parts	W 15 – 40 mm, L 50 – 110 mm
Connections	230/110 V 10 A Pressurized air > 6 bar
Quality control	Automated inspection cassette type and orientation on the conveyor belt
Optional features	UV fluorescence check, a quality inspection unit for measuring product closure gap, machine vision inspection: print quality inspection and fluorescence line detection

* Depending on machine configuration and the part to be produced. Please contact us for further information.

Functional description



1. Top housing automated feeder
2. Bottom housing automated feeder
3. Aluminum profile subframe



Operator loads cassette parts in bulk feeders for the Automated feeding of cassette parts to the conveyor



Scara robot places the products on the conveyor



Smart transfer with the integrated conveyor



Optional machine vision cassette pin inspection

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