Technical Parameters –

Stopper Size	13mm and 20mm
Cap Size	13mm and 20mm aluminum caps, aluminum-plastic caps, RayDyLyo® plastic press caps
Filling Method	Peristaltic pump
Output	Approx. 6 Vialas/min
Power Supply	220V,50Hz
Power	1.5kW
Filling Volume and Accuracy	0.5-100mL±1% (based on water)
Air Supply	Clean compressed air ≥ 6 bar
Vacuum	-150 mbar; pump speed 4m³/hour
Materials	Stainless steel, anodized aluminum (contact parts with stopper and aluminum cap are SUS316L)
Optional	Nitrogen filling before/after filling
Bottle Infeed and Outfeed Trays	Customizable as needed



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MLFC

Mini Liquid Fill Capping



Tailin MLFC is a verifiable, ready-to-use filling, capping, and capping system suitable for clinical trials and small-scale production. It is mainly targeted at product development departments in the pharmaceutical and biotechnology industries, as well as other high-precision quantitative filling, capping, and capping processes for products such as lentiviral vectors and gene therapies, to meet the quantitative filling requirements of 2mL-100mL vials.

MLFC can be used in laminar flow clean rooms and isolators/RABS. The materials and surface treatments of the equipment comply with cGMP requirements for aseptic filling. The equipment supports nitrogen filling during the filling process. The layout allows for single-sided or double-sided operation. The linear servo conveyor system can effectively prevents scratches and bottle tipping. It also incorporates functions such as inverted vial rejection, no-vial shutdown, nitrogen filling, no-stopper alarm, pneumatic capping, no stopper - no capping, and no cap - no crimping.

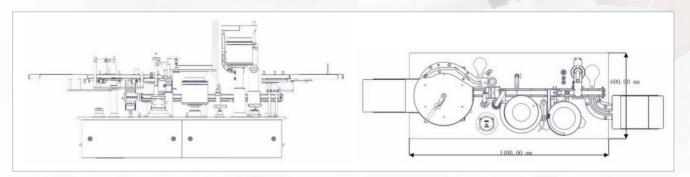
MLFC is controlled by an industrial panel PC with features including access control, audit trail, and electronic signature, fully compliant with FDA 21 CFR Part 11 regulations.

Production Process



- machine using a honeycomb
- The buffering turntable and vials rejection function ensure continuous operation with minimal operator intervention.
- which is easy to operate and highly accurate.
- Optional nitrogen filling function during filling. The minimum filling volume is 0.2mL.
- include a vacuum stopper hopper, stopper tray, and stoppering head.
 - The vibrating bowl adapts to 13mm and 20mm rubber stoppers for both injection and lyophilization.
- include a vacuum aluminum cap hopper, aluminum cap track, and cap scraping
- The vibrating bowl adapts to 13mm and 20mm aluminum
- removable tray.
- Filled vials can be removed without stopping production.
- Extended trays or other conveyance options can be provided upon request.

MLFC Filling System Standard Version: Suitable for filling, stoppering, and capping processes with standard rubber stoppers and aluminum-plastic caps.



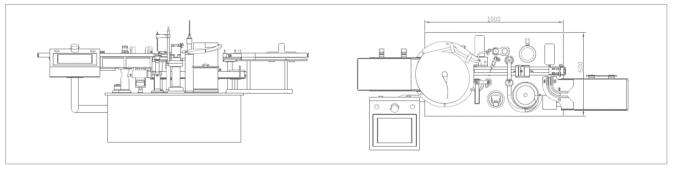






MLFC Filling System Custom Version: Suitable for ARaymond RayDyLyo® rubber cap systems.

Mainly used for filling liquids in glass and COP vials. It can be adapted to the ARaymond RayDylyo° rubber cap system, featuring one-step aseptic sealing and simplifying the capping process.









*Statement: GAYDYLYO is a trademark of ARaymond Company.