

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

MLFC

Mini Liquid Fill Capping

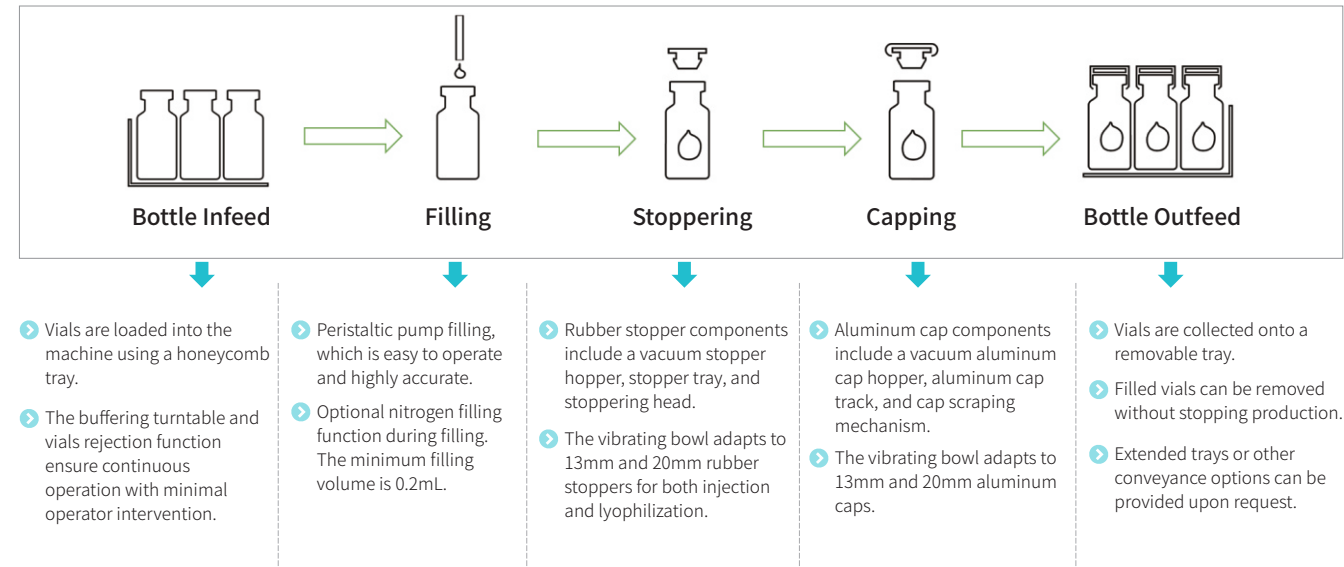


Tailin MLFC is a verifiable, ready-to-use filling, capping, and capping system suitable for clinical trials and small-scale production. It is mainly targeted at product development departments in the pharmaceutical and biotechnology industries, as well as other high-precision quantitative filling, capping,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

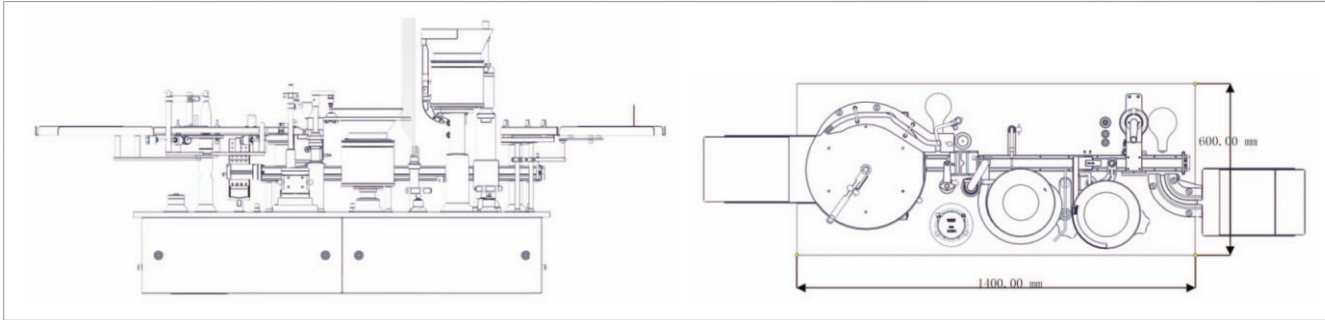
MLFC can be used in laminar flow clean rooms and isolators/RABS. The materials and surface treatments of the equipment comply with cGMP requirements for aseptic filling. The equipment supports nitrogen filling during the filling process. The layout allows for single-sided or double-sided operation. The linear servo conveyor system can effectively prevent 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

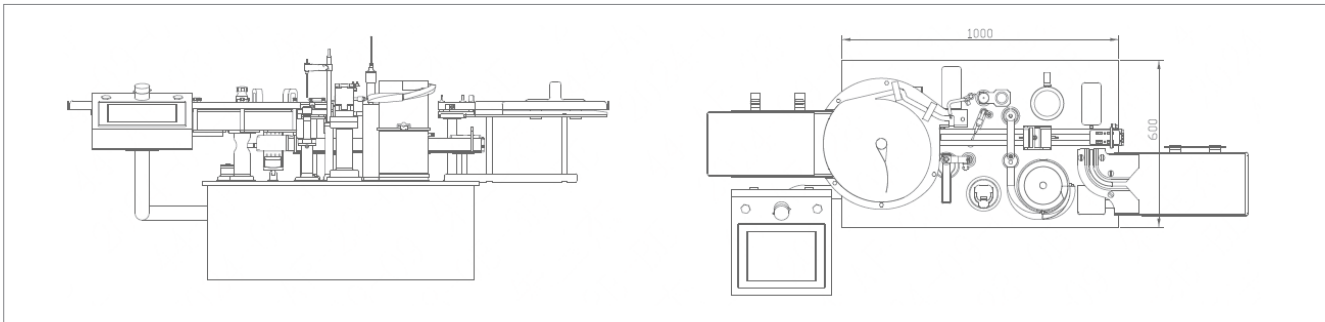


MLFC Filling System Standard Version: Suitable for filling, stoppering, and capping processes with standard rubber stoppers and aluminum-plastic caps.



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

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



*Statement: GAYDYLYO is a trademark of ARaymond Company.