



GGs-118 Type Oral Liquid Ampoule Machine



At Mic Machinery, we specialize in providing high-quality, innovative solutions for the pharmaceutical and packaging industries. Our products are designed to optimize production efficiency while adhering to the highest standards of quality and precision. With years of experience in the industry, we have built a reputation for delivering cutting-edge machines that drive growth and efficiency in manufacturing processes. The MIC GGS-118 Type Oral Liquid Ampoule Machine is a perfect example of our commitment to engineering excellence, designed to meet the growing demands of the pharmaceutical industry. As a trusted manufacturer, Mic Machinery ensures every product delivers reliability, speed, and the highest standards of safety for pharmaceutical manufacturers worldwide.

Working Principle

The MIC GGS-118 Type Oral Liquid Ampoule Machine operates through a fully automated and highly efficient process. The system begins with the loading of empty ampoules into the machine. These ampoules are transported to the filling station, where the ampoule filler carefully and precisely fills each ampoule with the correct dosage of oral liquid. This process is facilitated by volumetric filling technology that ensures minimal waste and consistent fill volumes across the entire batch.

After filling, the ampoules move seamlessly to the capping and sealing stations. The machine employs an integrated sealing mechanism that ensures each ampoule is securely closed, preventing any contamination or leakage. The control system is powered by a robust PLC that governs every step of the operation, adjusting parameters in real time and providing operators with crucial performance data. This automation streamlines the process, reduces the need for manual intervention, and ensures product safety throughout the production cycle.

Function

The MIC GGS-118 Type Oral Liquid Ampoule Machine performs multiple crucial functions to ensure the efficient production of oral liquid ampoules:

- **Precise Filling:** The core function of the ampoule filler is to ensure that each ampoule is filled to the correct volume with the oral liquid, minimizing product loss and maintaining consistency.
- **Capping and Sealing:** After filling, the machine automatically seals each ampoule to ensure no contamination and secure closure, maintaining the safety of the product.
- **Labeling (Optional):** The line can be equipped with labeling functionality, enabling the machine to apply precise and professional labels to each ampoule, ensuring regulatory compliance and traceability.
- **High-Speed Production:** The machine's design enables it to fill a high number of ampoules per minute, making it ideal for large-scale production.
- **PLC Control System:** The sophisticated PLC control system ensures accurate operation by monitoring and adjusting the entire filling process, with built-in safety features and real-time performance tracking.

Technical Parameter

Maximum forming depth	12mm
Packaging speed	For 100 bottles / min
Filling head number	Six filling heads were filled simultaneously
Packing material	PVC/PE (0.2-0.4) ×120mm
Filling capacity	0.3-1ml / branch
Total power supply	6.0kw
Voltage	220v three phase / 60Hz (380v three phase / 50Hz)
Weight (kg)	850kg
Overall dimensions	2300×850×1450mm