

Liquid Capsule Filling/Sealing Machine LCFS300/1000



Liquid Capsule Filling and Sealing Machine is specifically designed to exploit the potential of liquid and insoluble drugs or health care products that leave an unpleasant taste, odor or oxidizing discoloration. It is a fully automatic GMP compliant machine that fills and seals up to 18,000 capsules per hour (Model LCFS300) and 60,000 capsules per hour (Model LCFS1000) with oily liquid, solution, mixed suspensions or paste formulations. Compared to traditional hard capsules, liquid-filled capsules feature a wider adaptability, high transparency, high heat tolerance, moisture resistance, good sealing performance and tenacity.

In the international market, the hard capsule filling and sealing technology is mainly applied to high-end products of European and American pharmaceutical enterprises and health care product enterprises. Essentially, the hard capsule sealing procedure is done through preheating and self-adhesiveness. This basic process has certain restrictions and limitations on the material itself due to the narrow scope of application. Thus, it cannot meet the varied needs of the pharmaceutical industry and health care product enterprises. UPMACH, relying on its own 20 years of capsule filling technology, independent research and development, fills in the niche of liquid filling and sealing technology of hard capsules. UPMACH's unique design, combines a filling machine, sealing machine and drying machine as an all-in-one machine. This multi-purpose machine has the ability to create the hard capsules in sealed

state at all times during the process of packaging, storage, transportation and application, so as to improve the safety of the product. Simultaneously, the products manufactured by UPMACH's liquid capsule filling and sealing machine also meets the needs of pharmaceutical enterprises and health care products enterprises for the development of high-end products.

Features:

- High precision indexing drive ensures a smooth operation and low noise output.
- Fully enclosed turntable and linear oil-free bearings which are original parts from Japan improve the life-span of equipment use.
- High accuracy liquid filling system ensures the filling difference is low.
- Improved design of filling and sealing process ensures better control and cleanability.
- Schneider PLC and touch screen control with an intuitive HMI operation system that can easily control all the processes.
- Alarm system for shortage of capsules and liquid.
- LCFS300 liquid capsule filling machine is able to handle a wide range of capsule sizes ranging from #00 to #4 with different filling volumes.
- Secondary filling station can be equipped in order to have different formulations – capsule in capsule, minitables in capsule, and pellets in capsule.
- LCFS300 liquid capsule filling sealing machine is strictly designed and manufactured in accordance with the GMP requirements.
- Modular design ensures faster changeover and cleaning.
- CE marked.

Technical Parameters:

Model	LCFS 300	LCFS1000
Production Capacity	300 capsules/min	1,000 capsules/min
Filling Material	oily liquid, solution, suspension or paste	
Model Bores	6	16
Capsule Type	#00-3 Gelatin capsules, methyl cellulose, plant capsules	
Capsule Accuracy	99.8%	
Power supply	380V50HZ	
Power	9KW	12KW
Weight	2300KG	3000KG
Dimensions	3812.5*977*2064.5mm	4080*1270*2150mm