

LFIM – 60/84 Continuous Inspection Machine



Pharmaceutical Continuous Automatic Inspection Machine for particle and fill level inspection of a liquid solution, specially designed for ampoule, vial, oral liquid, etc. This machine is also capable of overall appearance inspection of the cap, body as well as base of the vial or ampoule. Unqualified products will be rejected. It is a compact structure with a convenient modular size changeover. This ampoule inspection machine adopts excellent process layout and sealing technology, has good sealing & waterproof performance, easy to clean.

Advantages

Image Collection

State-of-the-art high-speed camera with 300 frames/s. High-speed & high-quality image collection gives a clear view of foreign particles. Servo-controlled In-feeding screw and star wheels ensure vials/ampoules, assisted by vacuum, to guarantee a smooth transfer and reduce the risk of damaging vials/ampoules.

Automatic Rejection

Unqualified vials/ampoules are rejected in three ways for the user to have precise control of the upstream process operating conditions via clear information of reject quantity in each reject classification.

Innovative Structure

Electric cabinet installed on top of the machine and cover sealing of operating station (meeting IP65 regulations) ensures no liquid leakage in case of a damaged bottle. It enables operators to clean swiftly, safely and it improves work efficiency and helps ensure product quality.

Quality Assurance

The machine is constructed using imported stainless steel and special materials, meeting GMP regulation.

Image Analyze

By most updated parallel processing technology, each camera is equipped with a high-speed DSP image processing system co-developed by Pharmapack Italian and headquarter R&D team. It resolves the speed bottleneck problem of traditional industrial PC processing systems, realizes great improvement in speed.

Technical Parameters:

Model	LFIM-60	LFIM-84
Max. Speed	450 BPM	800 BPM
Stable Production Speed	400 BPM	650 BPM
Product Dimension	10~30mm	10~22mm
Max. Height	20~150mm	20~150mm
Conveyor Height	910±25mm	910±25mm
Inspect Scope	impurities/defects/liquid level/bottle and cap	impurities/defects/liquid level/bottle and cap
Power consumption	17KW	17KW
Power supply	AC380/400 V 50/60Hz-	AC380/400 V 50/60Hz-
Air pressure	0.4~0.7bar	0.4~0.7bar
Air consumption	100L/min	100L/min
Dimension (LxWxH)	Approx. 3225mm×2363mm×2522mm	Approx. 3225mm×2363mm×2522mm
Weight	Approx. 5000Kg	Approx. 5000Kg