

# Optical Ampoule/ Vial Inspection Machine

All contact parts in stainless steel and approved engineering plastics.

Spinning of ampoule/vial. Magnified view with back lighting

Clear view of six ampoule/vial.

Modular and compact ejection system.

Rotation of spinners can be adjusted to give desired vortex on liquid

Easy access for cleaning and maintenance.

Large inspection to transport time ratio..

Facility of repeat cycle.

PLC assisted failsafe rejection.

Counters for good and reject products.

## Operation:

The filled ampoules are loaded in to the infeed chute from where they are transferred in batches by an index wheel onto a linear transfer rack.

The rack transfers the ampoules onto the inspection station, where spinners spin the ampoules at a predetermined RPM so that a vortex is formed. Illumination from behind the ampoules assists in light refraction of particles/fibers. An operator views six ampoules through a magnifying glass.

The ampoules are rejected by pressing rejection switches ergonomically located for operator convenience. A numbered light positioned just above the magnifying lens within the operator's field of vision lights up indicating a rejection. In case a recheck is desired before checking the next lot, a facility for repeat cycle is provided.

The ampoules batch is then transferred onto the rejection station where the ampoules rejected at the inspection station are automatically ejected out. A numbered light lights up above the lens indicating a positive rejection taking place. In addition a PLC assists in tracking the rejects and in the unlikely event rejection does not take place, the machine stops and display shows up the error.

The accepted ampoules are transferred onto the collection station where they are collected in a tray.

## **Technical Specifications:**

Model No.	:	SMPL – AIM-72
Output(Ampoules)	:	60-72/minute
Output(Vials)	:	48-56/minute
Electrical Ratings	:	3ph. 415V. 50 cps. (4 wire) 0-75 HP main motor 0-25 HP spinner motor
Net Weight	:	Approx. -450 Kg.
Handling Range (in mm)	:	
Diameter	:	Min. 9 Max. 15 mm
Height	:	Min. 60 Max. 116 mm

