

Liquid Vial Visual Inspection Machine DTNS-V6



The automatic vial inspection machine is used in the pharmaceutical industry for inspection and checking of filled vials and ampoules. The machine has a visual vial inspection system with a light screen. It has a spinning assembly with AC drive rejection unit which runs on 24 volt DC. The liquid vial visual inspection machine is used for the visual checking and inspection of glass vials, penicillin vials, syringes, bottles, and cartridges. The machine is also known as the sterile vial visual inspection machine.

Salient Features:

- The contact parts are made of stainless steel and approved plastic
- Visibility of six vials at a time
- Compact injection system
- High inspection to time transport ratio
- Adjustable rotation speed of ampoules
- Equipped with LED and buzzer system for rejection
- Automatic control system for setting of inspection parameters
- Repeat cycle facility

Process of operation

The filled vial is fed into the feed section and an index wheel transfers the vial onto a linear transfer track. The spin mechanism spins the vials at a high speed to form a swirl in the fluid and results in the surfacing of impurities. The vials are passed through a light screen so that the impurities are illuminated to the operator in front of the screen. The operator sees them through a magnifying glass. The rejected vials are marked by the operator and then sorts and unload the vials automatically. A numbered light lights up above the magnifying glass indicating the rejected vials. The vials are also sent for a repeat cycle in case a recheck is required. The rejected vials are then transferred to the rejection station where they are ejected out of the machine. The accepted vial is transferred to the collection station where they are collected by a collection tray.

Technical Specifications

MODEL NO.	DTNS-V6
Ampoule Size	2ml to 30ml
Output Per Hour	2000 to 3000 per hour (Depend on size)
Finish	Stainless Steel Matt Finish
Inspection Type	Visually With Help Of Magnifying Glass
Power Requirements	0.75 H.P., 220 Volts, 1 Phase, 50 Hz (Main Machine)
	0.25 H.P., 220 Volts, 1 Phase, 50 Hz (Spinning Assly)
Working	6 Objects up to 16mm Dia. X 120mm in Height
Operators Field Of Vision	1150mm From Ground Leval
Floor Size	1600mm (L) X 1000mm (W) X 1600mm (H)
Net Weight	550 Kgs. Approx