

## *NAU-1 Semi Automatic Tube Filling And Sealing Machine*



N.K Industries is a renowned manufacturer, supplier, and exporter of a comprehensive range of high-quality Semi-Automatic Tube Filling and Sealing Machines. These machines are designed to efficiently fill and seal both aluminium and laminated tubes, making them suitable for applications in the pharmaceutical, cosmetic, and food industries.

Our Semi-Automatic Tube Filling and Sealing Machines are equipped with advanced features and state-of-the-art assemblies. These include an index turntable, a filling unit with a precision piston rod and pump, a folding mechanism for collapsible tubes, tube coding capabilities, a tube ejector, and a tipper mechanism.

One of the standout features of our machines is the "NO Tube – No Fill" system, which ensures that the filling process only takes place when a tube is present. This eliminates wastage and enhances productivity. Additionally, our machines are equipped with 100% non-proprietary electronics, providing reliability and ease of maintenance.

With our Semi-Automatic Tube Filling and Sealing Machines, you can achieve efficient and precise tube filling operations, ensuring the integrity and quality of your products. Contact us today to explore our range of machines and find the perfect solution for your tube filling needs.

### **Salient Features:**

- Compact design and cGMP model
- Machine frame made of AISI 304 stainless steel
- Tube holders made of Nylon
- Pump unit made of AISI 304 material for precise filling volume
- 23-liter acid-proof hopper for efficient product storage
- "No Tube, No Fill" device to prevent wastage

- Paste stirring device with separate device
- Jacketed container for temperature control
- Blow-off connection for local comp
- Motor with variable speed for flexible operation
- Inbuilt product counter for accurate counting
- Relay electrical control system with start, stop, and inch options
- 100% Non-Proprietary Electronics and CE Certified
- Maintenance-free machine for hassle-free operation

#### Technical Description:

Filling Speed	240 Vials/minute based on 5-10ml vial for Single Dosage
	(Depending up on size/types of vial & powder density)
Design	Left to Right
Dosage	50 mg to 1.5 grams. Single Dose (with Change Parts)
	1.5 grams to 6 grams. Double, Triple and Four Doses.
	Fill range depending upon vial mouth diameter and bulk density of powder. Under controlled level of Humidity (i.e. 25%)
Dosing wheel	Two
Dosing port / Wheel	8 Nos
Fill Accuracy	±2% depending upon consistency and uniformity of bulk density of injectable powder
Product Conveyor	50 mm (2") wide delrin conveyor
Powder Suction	Through Vacuum
Powder Delivered	Through Air/Nitrogen (Customer to Provide)
Stopper Delivered	Through Vibratory Bowl & Chute
Machine Dimension	2100 (L) x 1170 (W) X 1600 (H)
(L X W X H ) MM	