

Poultry Vaccinator – Fully Automatic

Description

The **Fully Automatic Poultry Vaccinator** is a high-efficiency device designed for **rapid mass vaccination** of poultry flocks. It automates the entire vaccination process, delivering precise doses without manual trigger operation, thus significantly increasing vaccination speed and reducing operator fatigue. Ideal for large-scale poultry farms and commercial hatcheries.

Specifications

- **Type:** Fully Automatic Vaccinator
- **Dose Range:** Adjustable, typically 0.1 ml to 0.5 ml
- **Injection Method:** Subcutaneous / Intramuscular
- **Material:**
 - Medical-grade **Polycarbonate or Stainless Steel** components
 - Durable plastic handle and body
- **Operation:**
 - Battery or mains powered (depending on model)
 - Automatic plunger and refill system
- **Capacity:** Connected to multi-dose vaccine bottles via tubing
- **Speed:** Capable of vaccinating up to 2000+ birds per hour
- **Nozzle:** Luer-lock or fixed needle, interchangeable
- **Additional Features:**
 - Adjustable dose volume
 - Automatic needle cleaning cycle (optional on some models)
 - LCD display for dose and battery status (on premium models)

Types

- Battery-operated Fully Automatic Vaccinator
- Mains-powered versions
- Models with integrated automatic needle cleaning systems

Product Form

- Fully Automatic Vaccinator Unit + Tubing
- Charger / Battery pack (if applicable)
- Needles and vaccine bottles sold separately

Material

- Medical-grade plastics and stainless steel for durability and hygiene

Category

- Poultry Health & Vaccination Equipment

Veterinary Application

- Designed specifically for **large-scale poultry vaccination programs**
- Suitable for vaccines against ND, IB, IBD, Fowl Pox, Marek's Disease, etc.
- Ideal for commercial poultry farms, hatcheries, and veterinary health campaigns

Human Application

- **Not Applicable**

Advantages

- **High Throughput:** Vaccinates 2000+ birds/hour with consistent dose accuracy
- **Hands-Free Operation:** Reduces operator fatigue and improves safety
- **Precise Dose Control:** Adjustable dosing prevents vaccine wastage
- **Automated Needle Cleaning:** Reduces contamination risk and maintenance time (model-dependent)
- **User-Friendly Interface:** LCD displays and ergonomic design for ease of use

Disadvantages

- **Higher Initial Cost:** More expensive than manual or semi-automatic models
- **Requires Power Source:** Battery recharge or mains power needed
- **Technical Maintenance:** Requires trained personnel for servicing and repairs

Precautions

- Ensure full battery or stable power supply before operation
- Regularly clean and disinfect needles and tubing to avoid contamination
- Use only compatible vaccine types and needle sizes
- Follow manufacturer guidelines for software updates and maintenance

HS / HSN Code

- **HS Code:** 9018.90
- **HSN Code:** 9018.90.99
- **Description:** Poultry-specific veterinary instruments and devices

Sterilization Details

- Automatic or manual needle flushing with disinfectant recommended
- Disassemble tubing and sterilize components regularly
- Avoid submerging electronic components; wipe with disinfectant

Frequently Asked Questions (FAQs)

1. **How much faster is the fully automatic vaccinator compared to semi-automatic?**
Fully automatic units can vaccinate **twice as fast or more** — up to 2000 birds per hour, compared to ~1000 with semi-automatic.
2. **What power options are available for this vaccinator?**
Both **battery-operated (rechargeable)** and **mains-powered** models exist to suit different farm setups.
3. **Can the device clean the needles automatically?**
Some models include an **automatic needle cleaning cycle**, greatly reducing contamination risks and maintenance.
4. **Is the dose adjustable?**
Yes, the dose volume is adjustable within a set range (usually 0.1–0.5 ml) for different vaccine types.
5. **What kind of maintenance does this device require?**
Routine cleaning of needles and tubing, battery charging, and periodic servicing by qualified technicians ensure longevity and optimal performance.