

ZPW Beak Trimming/Vaccination Combo Machine



Description

Day old chick beak trimming and vaccination combo machine is designed for commercial egg layers, breeders, and slow growing colored broilers.

The operator gently places the heads of 4 chicks on the stabilizer. The machine rotates to the proper positions for beak trimming and for vaccination. After the functions are performed, the chicks will then be dropped into the chick box below.

This equipment is well adapted to the modern automated hatchery processing system.

Specifications

1. **Capacity:** 3,000 – 3,600 pcs/h; Turning frequency: 0 – 3 s/pcs (default setting is 3s).
2. **Dosage range:** 0.1 – 0.5 ml adjustable, accurate and reliable. Can inject 2 different vaccines with a single injection.
3. **Beak Temperature range:** Eliminate human errors; Temperature range 0 – 1,000°C adjustable (default setting is 500°C) $\pm 0.1^\circ\text{C}$.
4. **Beak trimming depth:** User adjustable $\pm 3.5\text{mm}$.
5. **Machine Dimension:** $\Phi 1400\text{mm} \times \text{H } 1550\text{mm}$.



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Effect of beak



After Beak drop

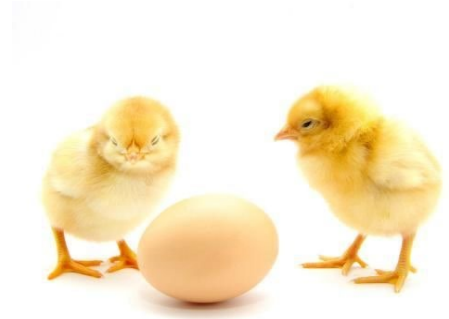


Before trimming

After trimming

After dropping

Injection Effects



Costs Functions and costs comparison

Functions:

Items	Injection	Beak trimming	Adaptability	Efficiency (PCS/HR)
ZPW machine	<ul style="list-style-type: none"> ✔ Single Vaccine. ✔ Or double Vaccine.; 	<ul style="list-style-type: none"> ✔ Infrared heating mechanical beak trimming. ✔ Beak drops in 15-20 days naturally. 	<ul style="list-style-type: none"> ✔ No adjustment necessary. May change chick source any time. 	2800-3200
Other brand	<ul style="list-style-type: none"> ✔ Only single vaccine. 	<ul style="list-style-type: none"> ✔ Infrared beak trimming; ✔ Beak drops in 15 – 20 days. 	<ul style="list-style-type: none"> ✔ Must adjust equipment when changing chick source. 	3000-3400

Cost Comparison:

Item	Labor (Rmb/chick)	Beak trimming dprn/lease (rmb/chick)	Vaccination dprn/lease (rmb/chick)	Total (rmb/chick)
ZPW machine	0.01	0.008		0.018
Other brand	0.01	0.054		0.064

- ◆ ZPW depreciation based on 3 years extended warranty.
- ◆ Other brand leasing based on 100,000 chicks/year.



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Value added



Beak trimming/Vaccination + auto stacking + spray vaccination

- Spray vaccination machine provided by vaccine company;
- Conveyor belt, auto chick tray changing, auto stacking, and spray vaccination. Great labor saving.



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