



PET Bottle Robot Cartoning Machine – Pick and Placed



Price: IDR 1,350,000,000 (included PPN 10%) – Franco Malang/Surabaya

Delivery Time : max.120 days after Down Payment Payed

Term of Payment : 30% Down Payment, 70% After This Machine Arrive and Before Shipped



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Composed of:

Max. speed	10-20 cartons/Min
Dimension	2460L*1620W*2405H(mm)
Power supply	380V 50/60HZ 5HP
Bottle arrangement	6*4, 5*3, etc.,
Air source	5-8 kgf/cm ²
Air consumption	6 L/H
Total power	3KW-5.5 KW
PLC	Mitsubishi - Japan
Pneumatic Components	Airtac pneumatic components
Optical Components	Omron or P+F
Motor	OKI reducer

Principle:

Machine mainly consists of following 5 parts:

- ✧ **Bottle in-feeding unit:** It uses Multi-segment shift and pressure reducing system to achieve stress-free automatic fast bottle transportation, Different channels for different bottle; it needs to adjust bottle dividing plate according to different bottles. Use the cylinder in the grip area to locate the bottle, make sure bottle grabbing smoothly;
- ✧ **Bottle grabbing unit:** The device consists grabbing, protective case and an encoder, using pneumatic gripper, clamp bottle by compressed air, after bottles are located in carton, the solenoid valve controlling the the exclusion of air, loose gripper, then bottles are into carton at the same time. The main achievement is slowly grabbing bottles, packing speed, precise positioning, overrun protection, fault handling, error instructions, etc.;
- ✧ **Carton guiding unit:** it contains cylinder rising unit and protection sensors, main purpose is used to adjust cartons' direction, guiding bottle grabbing position, make sure bottles can successfully enter the box;
- ✧ **Carton in-feeding unit:** it contains carton in-feeding sensors and conveying motors, it mainly makes carton dividing, arrangement and carton outlet;
- ✧ **Safety unit:** There are security door on front and rear part of machine, there are safety switch on door. Electrical cabinet is also equipped with various protection

General Specifications:

1. The machine consists of grasping the head to achieve grasp, release the product. Mechanical operation, the electrical control of the product accurately and reliably into the box from the delivery platform, run smoothly
2. Saves time: no-load to return quickly to improve production efficiency.
3. Novel design, compact, ergonomic operation.
4. Wide range of applications: can be used for a variety of products packing.
5. Meet the health requirements: the use of oil-free lubrication of pneumatic components, low noise, not any oil pollution.



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6. Using of frequency control, PLC control technology, combined with man-machine interface, easy operation, reduce production and reduce labor intensity.

Main configuration

Name	Supplier
PLC	mitsubishi
Touch screen	WEINVIEW / DELTA
Motor	OKI
Coder	OMRON
Invertor	mitsubishi
Alarm	TAYEE
Photo sensor	P+F
Proximity sensor	P+F
Safety sensor	P+F
Electro-magnetic valve	AIRTAC
Cylinder	AIRTAC