

Hi-speed ticket checking

Product Type: FUTUREATT-LVC650

Device Principle

This equipment requires two operators to handle the loading and unloading of products. The trays or containers are placed on the conveyor belt of the equipment and sent into the device for fast and automatic code reading and verification. NG (non-good) products are alerted by the equipment.



Functional Features

- Compatible with 7-inch to 17-inch trays
- Can be integrated with any WMS, ERP, MES, or similar systems
- Simple and easy operation, only requires 1 person
- Supports voice broadcasting function to enhance customer experience
- Equipped with a 2000W pixel industrial global camera for high-speed and wide-angle reading

Application Range

Used in electronic components, SMT factories, and line-side warehouses, among others.

Workflow

This equipment consists of three stations: the material placement station, scanning and verification station, and material retrieval station.

- The operator accurately places the tray or container in the first station.
- The conveyor belt transports the tray or container to the second station inside the equipment.
- The equipment automatically adjusts the camera height based on the height of the placed tray or container, focuses, and reads the code automatically.
- Upon successful code reading, a voice broadcast confirms the reading completion.
- The conveyor belt then transports the verified tray or container to the third station.
- The operator retrieves the tray or container, and the process repeats.



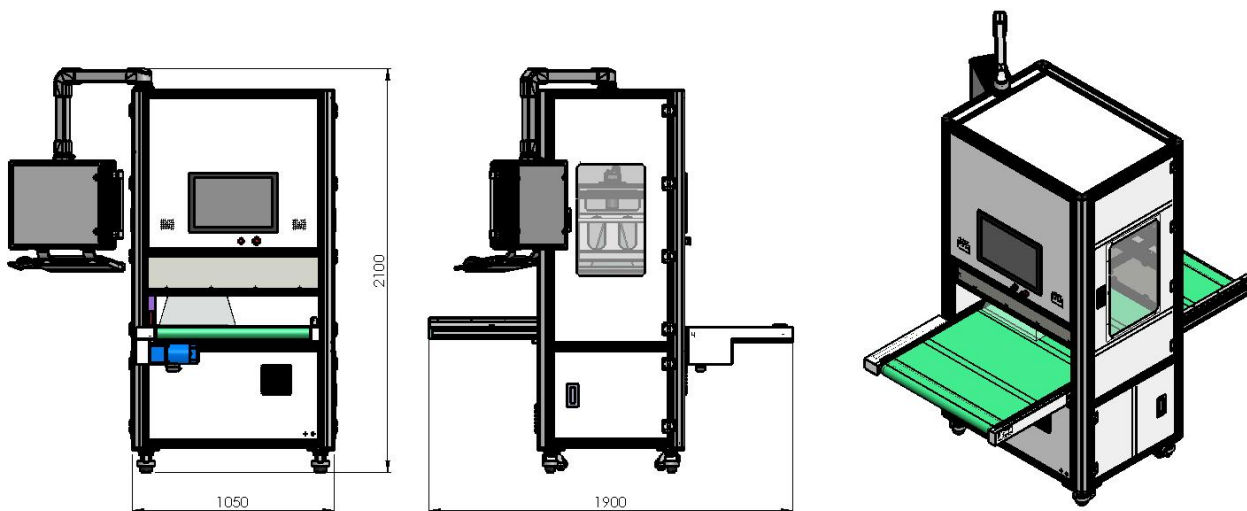
- In case of a reading failure or verification error, a voice broadcast notifies the error, and the operator needs to confirm the tray's correctness. If the tray information is correct, the reading process is repeated.

Technical Specifications

	Equipment Model	Parameters	
Basic Parameters	Power Supply Voltage	Single-phase, 220V (10A) (Customizable for overseas users based on local power supply voltage)	
	Frequency	50HZ	
	Dimensions (Length x Width x Height)	1900mm x 1050mm x 2100mm	
	Efficiency	1s/tray	
	Code Reading Efficiency	≤250ms	
	Compatible Materials	Diameter: 7-17 inches; Height: 10-300mm (Laser focusing module, automatically adapts to material height)	
	Integration Capability	Compatible with any WMS, EMP, MES, or similar systems	
	Field of View of Code Reading Camera	400mm x 400mm	
	Configuration	1 industrial global camera with 2000W pixel	
	Equipment Weight	320 Kg	
	Note	Code reading camera can have an elevation stroke of 5-350mm (suitable for handling items of compatible height)	
		Suitable for material verification and information validation	
	Strong Electric Components		Independent circuit breakers in the distribution cabinet for easy maintenance
			Distribution cabinet equipped with exhaust fans
		Neat wiring using plastic wire ducts	

Other	Equipment Control Components	Include electrical control system, human-machine interface, visual software system, etc.
	Electrical Control System	Implements control functions for various equipment mechanisms
	Human-Machine Interface	Provides human-machine interaction functionality
	Visual Software System	Records tray information, detects labels, and tracks various statuses of products produced by the machine, interacts with WMS data
	Environmental Requirements	Measure 500mm from the operating position or outer wall of the equipment
	Safety Requirements	Equipment complies with relevant national standards for electromechanical devices and CCC standards
	Equipment Appearance	Upper and lower frames in light gray RAL7035 color.

*External Dimensions



*Equipment Safety Requirements

- 1、 Compliance with the current FUTUREATT standards or stricter local regulations. Specific requirements will be clarified during equipment design review.
- 2、 The appearance and structural methods of equipment protective devices need to be checked one by one during design review. Subsequent processing and installation should not cause mechanical interference, hinder maintenance, or pose safety concerns.

*Randomly Equipped Items

Item	Quantity	Remarks
Tool Bag	1 set	
Electric Screwdriver	1 piece	
Small Adjustable Wrench	1 piece	
Hex Key Set	1 set	
Micro Screwdriver Set	1 piece	

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