Vertical Ticket machine(Dual-Station Dual-Side)
Product Type： FUTUREATT-LHV240

Device Principle

The device requires one operator to handle the loading and unloading of products. The operator places the trays or boxes into the device, and the device automatically reads the codes and verifies if the labels are correctly applied. In case of non-conforming products, the device generates an alarm notification.

Functional Features

● Suitable for 7-inch to 17-inch trays
● Compatible with any WMS, ERP, MES, or similar systems
● Equipped with a laser focusing module that automatically adjusts the code reading height based on product height, providing a wide field of view and multiple trigger positions
● Simple and easy operation, requiring only one person
● Speed of 3.5 to 5 seconds per tray, depending on operator proficiency
● Voice broadcasting function for improved customer experience
● Configured with four 2000W pixel industrial cameras for code reading and verification (top or side)

Application

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

Workflow

This equipment consists of two stations: the first station for automatic focusing and code reading, and the second station for verification.
● The operator accurately places SMD trays or boxes in the first station.
● The device automatically adjusts the height based on the tray or box placement and proceeds to read the code (from the side or top).
● Upon successful code reading, a voice announcement confirms the reading completion.
● After successful code reading, the on-site printer prints customer labels, which are manually applied by the operator.

● The operator places the labeled trays or boxes into the second reading station, where the system automatically reads the code (from the side or top).　Upon successful code reading, a voice announcement confirms the verification.

● This process continues in a loop.

● In case of code reading failure or verification errors, a voice announcement indicates the reading error, and the operator needs to confirm the tray's accuracy.　If the tray information is correct, the code reading process is repeated.

● Once the reading of each tray with the same product number is completed, the system automatically controls the printer for outer box label printing.

Technical Specifications

	Equipment Model	Parameters
Basic Parameters	Power Supply Voltage	ingle-phase, 220V (10A) (Can be customized for overseas users according to local power supply voltage)
	Frequency	50HZ
	Dimensions (Length x Width x Height)	1252mm×1191mm×2051mm
	Efficiency	3~5s/tray (Depending on the proficiency of manual operation)
	Decoding Efficiency	≤250ms
	Compatible Materials	Diameter: 7~17 inches;　Height: 10~300mm (Laser focusing module, automatically adapts to material height)
	Integration System	The system can be integrated with any WMS/EMP/MES, etc.
	Camera Field of View for Decoding	180mm*240mm
	Configuration	4 industrial cameras with 2000w pixels (Decoding + Verification)
	Equipment Weight	250 Kg
		The camera above has a field of view of 300mm x 400mm.

	Note	The camera below has a field of view of 270mm x 360mm.
		The camera above can be adjusted vertically within a range of 5~350mm (compatible with materials of the same height).
		It can simultaneously read side label barcodes.
Other	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
	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

2051

1191

1252
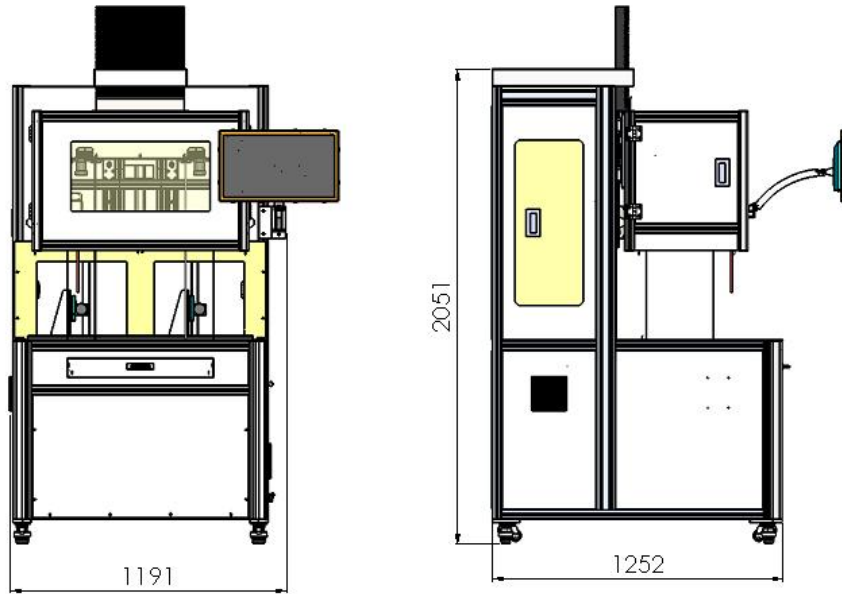
*Equipment Safety Requirements

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	

*Other Optional Models

Vertical	Model	Dimensions (Length * Width * Height mm)	Efficiency	Type
Vertical Ticket Machine	FURUREATT-LHV220	964×1193×1980	3~5s/tray (Depending on the proficiency of manual operation)	Dual workstation, single-sided