DP900

Automated Repacking System

DP900 is the multi-functional packaging system that integrates tube, tray and tape package equipment which allows versatility and flexibility to produce the different packing requirement.

It is designed to be fully automatic and each package equipment is modularized as sub-system for easy configuration and allows efficient work turnaround time, in addition, it supports JEDEC standard tray, various SOP tubes and up to 22" tape reel. DP900 is equipped with different sensor to ensure the quality of the packaging and prevent human or system error.

Optional CCD camera can be added to the system for 2D inspection and ink marker for IC marking. LCD keypad is available for each sub-system to allow easier maintenance and troubleshooting.

Feature

- ◆ Each packing system is modularized for meeting different job requirement efficiently.
- ◆ Input ： Tube, Tray or Tape
- ◆ Output ： Tray or Tape
- ◆ Placement nozzle able to perform 360° rotation
- ◆ Fully automatic and support up to 30~40 tubes or 25 trays.
- ◆ Dedicated automatic tube loader for SOP, SSOP, and TSSOP packages.
- ◆ Taping sub-system support both PSA and heat sealing.
- ◆ Support 22" tape reel and 8~88mm tape width.
- ◆ Sensor for cover tape, empty pocket, floating chip and tray position.
- ◆ LCD touch screen for the main control.

DP900 *Automated Repacking System* Specification

Main System

Input/Output	Placement Accuracy	±0.05mm
	Placement Rate	4500 UPH
	Placement Device	Vacuum Nozzle * 1
	Nozzle Rotation	360 degree
	Z-axis	Adjustable nozzle height
	Alarm	Color LED and Buzzer
Interface	Operating	LCD Keypad
	Communication	RS232/IO (internal)
Operating Enviroment	Input Voltage	220-240Vac, 50/60Hz
	Temperature	25°C±2°C
	Air Pressure	0.6 MPa (~6.0 kg/cm2) ; Φ6mm
Appearance	Dimension	W x D x H: 690x560x1580 mm

Tape Reel

Input/Output	Accuracy	±0.04mm
	Speed	Continuous type, 80mm/sec Max
	Tray Cycle Rate	25s/cycle
	Sealer	PSA and Heat sealing
	Heat Temperature	0 ~ 260°C
	Tape Diameter	Upto 22"
	Carrier Tape Width	Support 8~88mm
	Sensor	Empty Pocket, Floating Chip and Cover Tape Sensor
	Optional	Ink Marker/CCD Camera
Interface	Operating	LCD Keypad
Appearance	Dimension	W x D x H: 530x310x1100 mm
	Weight	35Kg

Tray Loader

Input	Tray Type	JEDEC tray *
	Tray Capacity	25 trays
	Tray Cycle Rate	25s/cycle
	Sensor	Tray Position Dectection
Interface	Operating	LCD Keypad
Appearance	Dimension	W x D x H: 161*930*1090 mm
	Weight	25KG

Tube Feeder

Input	Component Size	SOP、SSOP、TSSOP *
	Tube Capacity	30~40 Tubes
	Tube Length	500~550mm
	Tube Rail	Tube Guilded Rail Module *
Control System	Driver	Air Dynamic and Piston
	Transmission	Air Guided Rail and Component Stopper
Appearance	Dimension	W x D x H: 870mm x 300mm x 1235mm
	Weight	50KG

* Different tube size will require different module

Taiwan Headquarter: TEL: + 886 - 2 - 2790 - 7932   FAX: + 886 - 2 - 2790 - 7916
4F,No.7,Lane 143, Xinming Rd., Neihu District, Taipei, Taiwan, R.O.C 114

China Office: TEL: + 86 - 21 - 5160 - 0157
Room 518, Building 66, Lane1333, Xinlong Road, Vanke Hongqiao CBD. Min Hang District, Shanghai, P.R.C. 201101

U.S. Office: TEL: +1 - 909 - 274 - 8860
209 E Baseline RD, Suite E208 #8, Tempe, AZ, 85283, USA

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