



# DP900

## Auto Packing System

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DP900 is a packaging system that is able to support tube, tray, and tape equipment which allows versatility and flexibility to satisfy different packing requirement. It is designed to be fully automatic and each packing equipment is modularized as sub-system for easy configuration and allows efficient work turnaround time and prevent human error. It supports JEDEC standard tray, various SOP tubes- SOP8, SOP16, etc., and different size of tape & reel.

DP900 is equipped with different sensors to ensure the quality of packing 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 also available for each sub-system to allow easier operation and maintenance.

### Features

- 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
- Smallest IC dimension can be supported upto 2 x 2mm
- 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



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## Main System

<b>Input/Output System</b>	Placement Accuracy	±0.05mm
	Pick & Place Device	Vacuum Nozzle x 1
	Throughput	Up to 5,500 UPH
	Nozzle Rotation	90° 180° 270°
	Z-axis	Adjustable nozzle height
	Alarm	Alarm LED light and sound
<b>Interface</b>	User Interface	LCD Keypad
	Third Party Interface	RS-232/IO (internal)
<b>Operation Environment</b>	Input Voltage	220-240Vac, 50/60Hz
	Temperature	13°C ~ 30°C (55°F ~ 86°F)
	Air Pressure	0.6 MPa (~6.0 kg/cm <sup>2</sup> ) ; Φ6mm
<b>Appearance</b>	Dimension	W x D x H: 690 x 560 x 1580mm
	Weight	100kg

## Tape Reel (DP600-A)

<b>Input/Output System</b>	Accuracy	±0.04mm
	Speed	Continuous type, 80mm/sec Max
	Sealer	PSA and Heat sealing
	Heat Temperature	0 ~ 260°C (32~500°F)
	Tape Diameter	Input: 22" (550mm), Output: 13" (330mm)
	Tape Width	Support 8~88mm
	Tape Depth	Support 32mm
	Sensor	Empty Pocket, Floating Chip, Home, Cover Tape, and Carrier Tape
	Optional	CCD Camera and ink or inkjet marker
<b>Interface</b>	User Interface	LCD Keypad
	Third Party Interface	RS-232
<b>Appearance</b>	Dimension	W x D x H: 1150 x 450 x 1300 mm
	Weight	55kg

## Tray Loader (Auto Tray-250)

<b>Input/Output System</b>	Tray Type	JEDEC tray
	Tray Capacity	25 trays
	Tray Change Rate	25s/cycle
	Sensor	Tray Position Detection
<b>Interface</b>	User Interface	LCD Keypad
	Third Party Interface	RS-232
<b>Appearance</b>	Dimension	W x D x H: 920 x 480 x 1150 mm
	Weight	65kg

## Tube Loader (ATI-220)

<b>Input/Output System</b>	Component Size	SOP, SSOP, TSSOP *
	Tube Capacity	30~40 Tubes
	Tube Length	500~550mm
	Tape Width Limit	Up to 15mm
	Tube Rail	Tube Guided Rail Module *
<b>Control System</b>	Driver	Wind Power Drive, Cylinder
	Transmission	Air Guide Rail and Component Stopper Cylinder
<b>Appearance</b>	Dimension	W x D x H: 880 x 300 x 1235mm
	Weight	50kg

\* Different tube size will require different Tube-In module