



PD600D Online Dispensing Machine Bonding Sealing Cooling Electric Drive EDU/ECU DCDC OBC BMS LIDAR In-vehicle Cameras

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MingSeal
- Certification: ISO
- Model Number: PD600D
- Minimum Order Quantity: 1
- Price: \$1000-\$150000
- Packaging Details: WOODEN
- Delivery Time: 5-60 days



Product Specification

- Condition: New
- Packaging Type: Cartons
- Automatic Grade: Automatic
- Dimension(l*w*h): 1600 X 500 X 1500mm(Dual Pump)
- Certification: ISO
- Warranty: One Year
- Product Name: PD600D Is An Online Dispensing Machine
- Gluing Flow Rate: 40-200ml/min
- Highlight: **Electronics pick and place soldering machine,
Chip pick and place soldering machine,
Soldering chip mounter machine**

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Product Description

PD600D Online Dispensing Machine

PD600D is an online dispensing machine developed for the glue applying station in the automotive electronics automation line. The whole machine includes glue supply system, material preparation system, metering system and three- axis glue dispensing system. The glue supply and metering system can be applied to various assembly fluids including single- component and two- component bonding, sealing, and heat-conducting adhesive applying processes. The self- developed dispensing system has functions such as CCD inspection module, laser height measurement, automatic needle alignment, automatic inspection and weighing, and MES communication.

Features and Advantages

Ease of Operation

The dispensing track is visually guided, and can be quickly edited and changed through software operation. When the products tilt and deviate in position, the dispensing track can be automatically compensated through visual Mark recognition.

Glue Weight Control

With the high-precision electronic scale, the calibration frequency can be set freely to automatically calibrate the glue weight to ensure accurate and stable glue delivery.

Quality Control

Camera inspection, through high-precision 2D camera inspection to inspect breakage and width of the glue lines, and stores the inspection results and pictures simultaneously for product quality tracing.

Non-stoppage Glue Refilling

The piston-type glue refilling unit can replace the traditional one-stand-by-one-use solution, with higher cost performance and higher space utilization.

Achievement of High-Quality, High-Precision Dispensing

With needle alignment sensor, the alignment frequency can be set freely for automatic needle calibration to ensure the accuracy and stability of glue dispensing.

Solving of Incoming Materials Inconsistency Problem

Laser height measurement, with high-precision laser sensor to detect the height of the incoming product plus visual positioning function, while ensuring effective dispensing, it also avoids equipment wrong movements caused by uncontrollable factors such as incoming product over-height, too flat or too low.

Application Fields

Bonding Sealing Cooling
Electric Drive EDU/ECU DCDC
OBC BMS LIDAR
HUD Control Panel ADAS
In-vehicle Cameras

Technical Specifications

Glue Supply System	Machine size(WxDxH)	1600 X 500 X 1500mm(Dual Pump)
	Gluing flow rate	40-200ml/min
	Screw pump single turn output	14ml (as per glue type selected)
	Glue amount accuracy	±5
	Machine weight	240Kg
	Max. working pressure	0~3.0MPa
Screw Valve	Machine size(WxDxH)	120 X 400 X 65mm (as per type selected)
	Machine weight	6.5Kg
	Max. output pressure	4MPa
	Max. working pressure	0-2.0MPa
	Single turn glue output	0.05—5ml
	Dispensing accuracy	±1
	Stator material	Fluorine rubber/Polyurethane
Three-axis Robot	Effective motion range	X/Y/Z 650mm X 600mm X 200mm (supports 500*600mm Workpiece gluing & Camera inspection view)
	Positioning accuracy	X/Y:±0.05mm Z:±0.025mm
	Repeatability	X/Y:±0.03mm Z:±0.015mm
	Max. accelerated velocity	X/Y/Z:0.5g
	Max. speed	X/Y/Z:500mm/s

	Z axis max. load	5KG (supports existing valves and camera load)
Vision Inspection System	Camera pixels	1200W (supports 1 .5mm±0.5mm glue width and glue shortage inspection and CT demand)
	Camera lens	FA Lens of 5mm focal length
	Camera light source	customized combined Light source
	Shooting view	400 X 300mm
	Vision inspection accuracy	±0.1mm
	Missing detection rate	≤0.02%
	Misjudgment rate	≤1%



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