



DP2000

Automated Programming System

DP2000 is an automated programming system especially designed for tube/tape in & tape out. The system is equipped with a moving programming module and 4 nozzles to handle pick and place of IC input, positioning, programming and IC output. With 4 nozzles functioning synchronously with the moving programming module, DP2000 easily achieves high throughput, 3,000UPH. The unique and creative design already obtained a patent.



Features

Dedicated for Tube or Tape in; Tape out

1. Input: Tube and Tape.
2. Output: Tape.
3. Supported IC: EEPROM, SPI FLASH, MCU...etc.
4. Supported Package: SOP, SON, TSOP, QFN...etc.

High Expansibility

Able to built in 2 units of ProgMaster-S8 programmer and expand up to 16 programming sites. The System will not idle and decrease throughput when programming those chips with high density.

Software Supports NAND Flash Bad Block Skip and Partition Programming

Each programming site functions independently. It only takes 30 seconds to program (P+V) 1Gb NAND FLASH.

High Throughput

Achieve 3,000 UPH when SPI Flash density is 64Mbit and smaller.

Fast & Accurate Positioning

Design dedicated Positioner for different IC package to handle positioning.

Software Supports Work Project.

Press Start button to start programming after loading work project so operators will not load the wrong file or select the wrong IC part number.

Support PSA & Heat Sealing

Unique & Creative Design Obtains a Patent

Vertical & Horizontal Infrared Inspection

Check empty pocket and jammed component before taping.

Optional Ink Marker

Different color available; support dot, character, and number.

Optional CCD-Camera

Check empty pocket and the position of pin 1 and mark.

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For more information, please contact: sales@dediprog.com
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Specification

Pick & Place System	Placement Accuracy	±0.05mm
	Pick & Place Device	Vacuum Nozzle * 4
	Throughput	3,000UPH
Positioning System	2 Unit of Positioner for Input & Output	Dedicated Positioner for different package type
Transmission System	Drive Method	High performance servo moto
	Transmission	Ball screw & Cam mechanism
	Max Stroke	560mm
Input/Output System	Tube In	Automatic SOP, TSOP Tube Loader; Capacity: 30~40 tubes.
	Tape In	Electrical Tape Feeder; Support 8~32mm tape width.
	Tape Out	Automated Taping Machine; PSA & Heat Sealing; support 8~50mm tape width.
Programming System	Programmer	ProgMaster-S8*2
	Programming Site	16
	Supported IC	EEPROM, SPI Flash, Microcontroller...etc
	IC Package	SOP, SON, TSOP, QFN...etc
Operation Environment	Input Voltage	220-240Vac, 50/60Hz
	Power Consumption	1.1KVA
	Air Flow	30 liter/min
	Air Pressure	0.5MPa(~5.0kg/cm2)
Dimension (Include Monitor and Alarm LED light)	Main Unit	WxDxH: 1640mm x 703mm x 1900mm
	Main Unit + Tube Loader	WxDxH: 1640mm x 1480mm x 1900mm
	Main Unit + Tape Feeder	WxDxH: 1640mm x 1640mm x 1900mm
	Weight	190KG
Control System	PC O/S	Windows 7 Embedded x86
	Display	19"LCD
	Input Devices	Keyboard and Mouse
Marker	Ink Marker	Different color available; support dot (1.5mm~2.0mm), character and number (2mmx 3mm).

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