



DP1000-G2

Automated Programming System

DP1000-G2 automated programming system is the second generation of DP1000 that is extra lightweight and compact compared to DP3000, which is 50% smaller!

With ProgMaster Universal Programmer embedded in DP1000-G2 and with different input/output peripherals, the system provides an overall solution for IC programming. It supports all kinds of IC families, such as EEPROM, NAND/ NOR FLASH, MCU...etc. The system has embedded 2 sets of ProgMaster-S8 Programmer to provide 16 programming sites with stable quality and high throughput.



Features

Support All IC Families and Different Input/output peripherals

1. Input/Output: Tube, Tape and Tray
2. Supported IC: EEPROM, NAND/ NOR FLASH, MCU...etc.
3. Supported Package: SOP, SSOP, TSSOP, PLCC, QFN, LQFP, BGA...etc.

High Throughput

Embedded with 2 units of ProgMaster-S8 programmers and expand up to 16 programming sites. The system can perform up to 1,650UPH.

Adjustable Socket Actuating Kit

Adjust socket actuating kits make it easier and quicker to switch to different types of socket adaptors according to the socket size. Therefore, you will not need extra socket actuating kits!

Optional Ink Marker When Tape Out

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

Software Supports Work Project

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

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Specification

Pick & Place System	Placement Accuracy	±0.03mm
	Pick & Place Device Throughput	Vacuum Nozzle* 2 up to 1,650 UPH
Transmission System	X-Y-Z Drive	High Performance Servo Drive System.
	Transmission	Ball Screw & Linear Guide Mechanism.
	Resolution	X axis: ±0.02mm, Y axis: ±0.02mm, Z axis: ±0.02mm.
	Maximum Stroke	X axis: 690mm, Y axis: 505mm, Z axis: 75mm.
Input/Output System	Theta Axis Resolution	0.15°
	Tube In	1. Manual Tube In Loader (4Tubes). 2. Automatic SOP, TSOP Tube Loader (30~40Tubes).
	Tube Out	Manual Tube Out Loader (6Tubes).
	Tape In	Electrical Tape Feeder: Support 8~32mm tape width.
	Tape Out	Automated Taping Machine; PSA & Heat Sealing; Support 8~50mm tape width.
Vision System	Tray In/Out	1. Manual Input JEDEC Tray 2. Manual Output JEDEC Tray 2. Automated Tray In Loader (25 JEDEC Trays) 3. Automated Tray Out Loader (25 JEDEC Trays) 4. NG IC Plate
	Camera	1. Fixed CCD: 659 x 494 pixels. 2. Carried CCD: 659 x 494 pixels
	Vision Alignment	IC corner leads
	Vision Accuracy	±0.01mm
	Vision Process Time	~ 0.1 sec / unit
Programming System	Programmer	ProgMaster-S8 *2
	Programming Site	16
	Support IC	EEPROM, NAND/NOR FLASH, MCU...etc.
	IC Package	SOP, SSOP, TSSOP, PLCC, QFN, LQFP, BGA...etc.
Marker	Ink Marker	Different Colors Available; support dot (1.5mm ~ 2.0mm), character and number (2mm x 3mm).
Operation Environment	Input Voltage	220-240V, 50/60Hz
	Power Consumption	1.3KVA
	Air Flow	46 liter/min
	Air Pressure	0.6 MPa (~6.0 kg/cm2)
Dimension (Include Monitor and Alarm LED light)	Main Unit	W x D x H: 1400mm x 1200mm x 1580mm
	Main Unit + Tube Loader	W x D x H: 1400mm x 1760mm x 1580mm
	Main Unit + Tape Feeder	W x D x H: 1400mm x 2130mm x 1580mm
	Main Unit + Tray Loader	W x D x H: 1400mm x 1460mm x 1580mm
	Main Unit+Tray In & Tape Out	W x D x H: 1400mm x 1900mm x 1580mm
Control System	Weight	390KG
	PC O/S	Windows 7 Embedded x86
	Display	19"LCD
	Input Devices	Keypad & Mouse

