



DP3000-G2



Automated Programming System

DP3000-G2 automated programming system is the second generation of DP3000, which supports CSP programming and different input/output peripherals, like tube, tape, and tray, provides an overall solution for IC programming. DP3000-G2 supports all kinds of IC families, such as EEPROM, NAND/NOR FLASH, MCU, UFS, eMMC...etc. It is able to embed with 6 sets of ProgMaster-S8 programmer or 6 sets of NuProg-S8A programmer to expand up to 48 programming sites, which will keep the high throughput even when handling the high density memory, like NAND FLASH.

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, UFS, eMMC...etc.
3. Supported IC Package: SOP, SSOP, TSSOP, PLCC, QFN, LQFP, BGA, WLCSP...etc.

High Expansibility

Able to embed up to **six** NuProg-S8A or **six** ProgMaster-S8 to get 48 sites; also available to combine **three** NuProg-S8A with **three** ProgMaster-S8.

Programmer	Programmer Quantities
NuProg-S8A	Up to 6
ProgMaster-S8	Up to 6
Combination	3 from each

* Note:

NuProg-S8A: With 8 socket sites; supports eMMC and UFS only.

ProgMaster-S8: An universal programmer with 8 socket sites; supports all IC kinds.

High Throughput

The system will be able to perform up to 2,500UPH.

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!

Fast & Accurate Positioning

System is equipped with 2 sets of CCD Camera to handle positioning.

Optional Ink Marker for Tape Out

Different colors are available; supports dot, character, and number.

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.

Software Supports Work Project

Able to create a programming file directly through Dediware according to your programming demands. It allows you to start programming right after loading the project, which will greatly reduce human errors.

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

China Office: Room 518, Building 66, Lane 1333, Xinlong Road, Vanke Hongqiao CBD. Min Hang District, Shanghai, P.R.C. 201101

TEL: 86 - 21 - 5160 - 0157

U.S. Office: 209 E Baseline RD, Suite E208 #8, Tempe, AZ, 85283, USA

TEL: +1 - 909 - 274 - 8860

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

Specification

Pick & Place System	Placement Accuracy	±0.01mm
	Pick & Place Device Throughput	Vacuum Nozzle * 4 Up to 2,500 UPH
Transmission System	X-Y-Z Drive	High Performance Servo Drive System
	Transmission Resolution	Ball Screw & Linear Guide Mechanism X axis: ±0.02mm, Y axis: ±0.02mm, Z axis: ±0.02mm
Input/Output System	Maximum Stroke	X axis: 1155mm, Y axis: 480mm, Z axis: 30mm
	θ Axis Resolution	0.15°
	Tube In	1. Manual Tube In Loader; capacity: 4 Tubes. 2. Automatic SOP, TSOP Tube Loader; capacity: 30~40 Tubes.
	Tube Out	Manual Tube Out Loader; capacity: 6 Tubes
	Tape In	Electrical Tape Feeder; support 8~32mm tape width. Dual Electrical Tape Feeders, support 8~24mm tape width.
Vision System	Tape Out	Automated Taping Machine; PSA and Heat Sealing; support 8~50mm tape width.
	Tray In/Out	1. Manual Input JEDEC Tray. 2. Manual Output JEDEC Tray. 3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays. 4. NG IC Trays.
	Camera	1. Fixed CCD: 659 x 494 pixels. 2. Carried CCD: 659 x 494 pixels.
Programming System	Vision Alignment	IC corner leads
	Vision Accuracy	±0.01mm
Marker	Vision Process Time	~ 0.1 sec / unit
	Programmer	NuProg-S8A (eMMC/UFS) and/or ProgMaster-S8 (Universal Programmer)
Operation Environment	Programming Site	Expandable to 48 sockets
	Support IC IC Package	EEPROM, NAND/ NOR FLASH, MCU, UFS, eMMC...etc. SOP, SSOP, TSSOP, PLCC, QFN, LQFP, BGA, WLCSP...etc.
Dimensions (Include Monitor and Alarm LED light)	Ink Marker	Different color available; support dot (1.5mm ~ 2.0mm), character and number (2mm x 3mm).
	Input Voltage	220-240Vac, 50/60Hz
	Power Consumption	2.2KVA
	Air Flow	92 liters/min
Control System	Air Pressure	0.6 MPa (~6.0 kg/cm2)
	Main Unit	W x D x H: 1950mm x 1200mm x 1560mm
	Main Unit+Tube Loader	W x D x H: 1950mm x 1920mm x 1560mm
	Main Unit+Tape Loader	W x D x H: 1950mm x 2320mm x 1560mm
	Main Unit+Tray Loader	W x D x H: 1950mm x 1620mm x 1560mm
	Weight	740 KG
	PC O/S	Windows 7 Embedded x86
	Display	19"LCD
	Input Devices	Keypad & Mouse