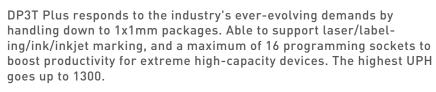


DP3T Plus

Automated Programming System





With the NuProgPlus series programmer, the system supports dual sockets & highest read/write speed goes up to 180/mb. Auto Teach feature improves productivity by reducing the project setup time. This system is the epitome of versatility, making it an ideal solution for low-volume, high-mix production teams seeking efficiency without compromise.

Features

High Throughput

The system will be able to perform up to 1,300 UPH (Units per Hour).

DP3T Plus

High Expansibility

Able to embed with one set of NuProgPlus-S8-E or NuProg-Plus-S16-E, up to 16 programming sites.

Support All IC Families

- 1. Supported IC: EEPROM, NAND/NOR FLASH, MCU, eMMC, and UFS. etc.
- 2. Supported IC Package: SOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.
- 3. Minimum supported size: 1x1mm CSP.

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!

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.

Clamp Positioning Check

The system will automatically check if the clamps are installed properly before production to avoid machine/product damage caused by unmanned staff mistakes.

Support Different Input/Output Peripherals

Input/Output: Tube, Tape, and Tray.

Auto Teach Feature

- 1. Proceduralize- Automatically adjust handler's parameters step by step.
- 2. Digitalized- Automatically adjust the heights of nozzles.
- 3. Increase the speed of system adjustment.
- 4. Self-detection Function- Increase the accuracy & stabilities for nozzles' pick and place.

MES API

DediProg's handler can be easily integrated into different MES systems via the API protocol. It is capable of integrating remote control functions, fool-proof programming, and error management to enhance production yield and simplify management.

One Click Project Execution (OPRJ)

The OPRJ one-click activation feature enables fool-proof production (machine process and programming project), remote project editing, project preview, and machine qualification management. It can also integrate into MES systems through the API Protocol.

IC Marking Functions Provides a variety of labeling methods

- 1. Ink Marker supports dot, character, or number.
- 2. Inkjet Printer supports string.
- 3. Laser Marker supports precise character marking.
- 4. Label Printer supports QR Code and barcode.
- $5.\ Label$ Feeder automatically supplies labels to IC for identification.

IC Inspection

Provide 2D inspection capabilities to detect pin failures in SOP, QFP, QFN, and BGA packages.

		Specification
Pick & Place System	Placement Accuracy	±0.01mm
	Pick & Place Device	Vacuum Nozzle x 1
	Throughput	Up to 1,300 UPH
Transmission System	X-Y-Z Drive	High Efficiency Step-Servo Drive System
	Transmission	Ball Screw (X&Y axis) / Belt (Z axis) & Linear Guide Mechanism
	Resolution	X axis: 0.0015mm, Y axis: 0.0015mm, Z axis: 0.01mm
	Maximum Stroke	X axis: 655mm, Y axis: 365mm, Z axis: 55mm
	θ Axis Resolution	0.1125°
Input/Output System	Tube In	Manual Tube In Loader; capacity: 4 Tubes
	Tube Out	Manual Tube Out Loader; capacity: 6 Tubes
	Tape In	Electrical Tape Feeder; support 8~44mm tape width
	Tape Out	Automated Taping Machine; PSA and Heat Sealing; Support 8~44mm tape width; up to 32mm carrier tape depth
	Tray In/Out	1. Manual Input JEDEC Tray 2. Manual Output JEDEC Tray 3. Automatic Tray In/Out Loader; capacity of 25 JEDEC/Non JEDEC Tr 4. NG IC Trays
Vision System	Camera	1440 x 1080 (1.6M Pixels)
	Vision Alignment	IC corner leads
	Vision Accuracy	±0.01mm
	Vision Process Time	~0.03sec/unit
Programming System	Programmer	NuProgPlus-S8-E x1 or NuProgPlus-S16-E x1
	Programming Site	Up to 16 sockets
	Support IC	EEPROM, NAND/NOR FLASH, MCU, eMMC, and UFS, etc.
	IC Package	SOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.
Marking/Labeling System	Laser Marker	Characters with a height greater than 0.3mm.
	Ink Marker	Different color available; support dot (1.5~2.0mm) for above
		3mmx3mm IC, character and number (2mm x 3mm) for 4mm x 4mm
	Inkjet Printer	Min Character height ≧ 2mm ; Support IC size ≧3mm ;
		Printable time ≦ 3hrs
	Label Printer	4x4~10x10mm Label; prints QR Code, Data Matrix, Barcode, String
	Label Feeder	3x3~10x10mm Label; Label Width≦28mm
Operation Environment	Input Voltage	200±15% Vac, 40/60Hz
	Power Consumption	5A/1.0kVA
	Air Flow	46liters/min
	Air Pressure	0.6MPa (~6.0kg/cm2)
Dimension (W x D x H)	Main Unit (MU)	1460 x 790 x 1620mm MU+Tape Loader 1460 x 1940 x 1620r
Monitor Wide Opened and	MU +Tray Loader	1520 x 790 x 1620mm(Side) 1460 x 1240 x 1620mm(Front)
\larm LED light)	Weight	300kg
Control System	PC 0/S	Windows 10 IOT
	Display	19"LCD
	Input Devices	Keypad & Mouse

Specifications are subject to change without notice.

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