

# DP2T

Automated Programming System

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DP2T is the most compact & cost saving automated programming system. It is able to embed with either one unit of universal

programmer (ProgMaster-S8) to support SPI Flash, EEPROM, MCU, and CPLd, etc. Or All-in-one Programmer (NuProgPlus) to support all devices such as SPI Flash, EEPROM, MCU, CPLD, eMMC & UFS, etc.

DP2T also supports both input & output in Tray or Tape & reel. With stable quality & high efficiency, the UPH can easily go up to 1000. Save your budget & lower your labor cost starts from DP2T now.

# **Features**

## High Throughput

The system will be able to perform up to 1,000 UPH.

## High Expansibility

Able to embed with one set of ProgMaster-S8 (Universal Devices) or one set of NuProgPlus (Universal & UFS) with 8 programming sites.

## Support Different Input/Output Peripherals

Input/Output: Tape In/Out, Tray In/Out & Manual Tube In.

## 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.

#### Optional Ink/Inkjet Marker on Tape Out

Different colors are available; support dot, character & number.

## **DediProg 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.

## 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.

## MES (Manufacturing Execution System)

DediProg handlers are able to apply to different MES; production line via API protocol is easily to be integrating with their internal server. Work report can be converted to excel file as a record.

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	Placement Accuracy	±0.03mm Specification		
Pick & Place System	Pick & Place Device	Vacuum Nozzle x 1		
The contact and of the contact and the contact	Throughput	Up to 1,000 UPH		
Transmission System	X-Y-Z Drive	Stepper Motor		
	Transmission	Belt & Linear Guide Mechanism		
	Resolution	X axis: ±0.03mm, Y axis: ±0.03mm, Z axis: ±0.03mm		
	Maximum Stroke	X axis: 498mm, Y axis: 402mm, Z axis: 40mm		
	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 8~32mm tape width		
	Tape Out	Automated Taping Machine; PSA and Heat Sealing;		
		Support 8~50mm 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 Trays		
		4. NG IC Trays		
Vision System	Camera	1. Fixed CCD: 659 x 494 pixels		
		2. Carried CCD: 659 x 494 pixels		
	Vision Alignment	IC corner leads		
	Vision Accuracy	±0.02mm		
	Vision Process Time	~0.03sec/unit		
	Programmer	ProgMaster-S8 or NuProgPlus		
Dragramming System	Programming Site	8 sockets		
Programming System	Support IC	EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.		
	IC Package	SOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.		
		Different color available; support dot (1.5mm~2.0mm),		
Markers	Ink/Inkjet Marker	character and number (2mm x 3mm)		
Operation Environment	Input Voltage	220-240Vac, 50/60Hz		
	Power Consumption	1kVA		
	Air Flow	25liters/min		
	Air Pressure	0.6MPa (~6.0kg/cm2)		
		1200 x 610 x 1590mm		
Dimension (W x D x H)	Main Unit+Tube Loader	1200 x 990 x 1590mm		
(Monitor Wide Opened and	Main Unit+Tape Loader	1200 x 1830 x 1590mm		
Alarm LED light)	Main Unit+Tray Loader	1200 x 1700 x 1590mm		
	Weight	210kg		
	PC 0/S	Windows 10 IOT		
Control System	Display	19"LCD		
	Input Devices	Keypad & Mouse		





# **DP2T Automated IC Programming System**

Model Name: DP2T

The most compact & cost saving automated device programming

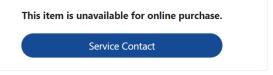










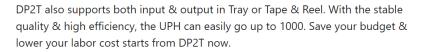


Media Description

# **Description**

DP2T is the most compact & cost-saving automated IC device programming system. It is able to embed with either one unit of the universal device programmer (ProgMaster-S8) to support SPI Flash, EEPROM, MCU, and CPLD...etc. Or All-in-one device Programmer (NuProgPlus) to support all devices such as SPI Flash, EEPROM, MCU, CPLD, eMMC & UFS...etc.

**Download** 





## **Features**

- Support All IC Families and different Input/Output Peripherals
  - o Input/Output: Tape In/Out, Tray In/Out & Manual Tube In.
  - Supported IC: EEPROM, NAND/NOR FLASH, MCU, eMMC, and UFS...etc.
  - ∘ Supported IC Package: SOP, SSOP, TSSOP, PLCC, QFN, □LQFP, and BGA...etc.
- High Throughput
  - o Able to embed with one set of ProgMaster-S8 (Universal Devices) or one set of NuProgPlus (Universal & UFS) with 8 programming sites.
- Software Support Work Project
  - o 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.
- Optional Ink/Inkjet Marker When Tape Out
  - o Different color available; support dot, character and number.
- DediProg Auto Teach Feature
  - o Proceduralize- Automatically adjust the handler's parameters step by

- step
- o Digitalized- Automatically adjust the heights of nozzles.
- o Increase the speed of system adjustment.
- Self-detection Function- Increase the accuracy & stabilities for nozzle pick and place.
- MES (Manufacturing Execution System)
  - DediProg handlers are able to apply to different MES; production line via API protocol is easy to be integrating with their internal server. Work report can be converted to excel file as a record.

# **Optional Accessories**

## **Device Programmers**

- ♦ ProgMaster-S8 (Universal IC Kinds)
- ♦ NuProgPlus (Universal & UFS IC Kinds)

## **I/O Peripherals**

#### **Automated Taping Machine**

♦ DP600A-MD (DP600-A with Ink Marker)

## **Electrical Tape Feeders**

- ♦ ETF-8mm ♦ ETF-12mm
- ♦ ETF-16mm ♦ ETF-24mm
- ♦ ETF-32mm

## **Auto Tray Loaders**

♦ Auto Tray-250

#### Manual Tube In/Out Loaders

♦ MTI-220 (Input)

## **Others**

## AOI Inspection Systems (on DP600-A)

- ♦ AOI-630 (2D) ♦ ANS-640 (2D)
- ♦ ANS-640C (2D)

# **Auto Parameter Calibration**

♦ Auto Teach

#### Socket Adaptor

Company	Products	IC Programming Service	Support	in f
About Us	SPI Flash Programming Solution		Download	
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Our Customer	Flash Series IC Programmer		Warranty Policy	
	Universal IC Programmer		Contact Us	
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	Automated IC Programming System (Main System)		Terms and Conditions	
	Automated IC Programming System (Subsystem)			
	Backup Boot Flash Modules	Device Search		
	Backup Boot Flash Kit			
	Programmer accessories			
	SMT Sockets			
	Discontinued Product (EOL)			
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