



# DP1000

## DP1000 Automated Programming System

DP1000 is the brand new automated programming system developed by DediProg. It is extra lightweight and compact compared to DP3000, as the size is 50% smaller!

With the ProgMaster Universal Programmer embedded in DP1000 and various input/output peripherals, the system can provide an overall solution for IC programming.

Support all kinds of IC families, such as SPI NAND/NOR FLASH、EEPROM、eMMC、MCU...etc. The system is embedded in 2 sets of ProgMaster-U8 Programmer providing 16 programming sites which providing 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, NOR/NAND FLASH, MCU...
3. Supported Package : DIP, SOP, SSOP, TSOP, PLCC, QFN, LQFP, BGA...

#### ◆Adjustable Socket Actuating Kit

Adjust socket actuating kits easily and quickly according to socket size when changing other type of socket adaptors.  
No need to buy extra socket actuating kits.

#### ◆High Throughput

Embedded with 2 units of ProgMaster-U8 programmers and expand up to 16 programming sites. The system performs 1,000 UPH.

#### ◆Software Support Work Project

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

#### ◆Optional Ink Marker When Tape Out

Different color available; support dot, character and number.



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## Automated Programming System

## Specification

Pick & Place System	Placement Accuracy Pick & Place Device Throughput	±0.03mm Vacuum Nozzle*2 1,000 UPH
Transmission System	X-Y-Z Drive Transmission Resolution Maximum Stroke Theta Axis Resolution	High Performance Servo Drive System Ball Screw & Linear Guide Mechanism X axis : ±0.02mm, Y axis : ±0.02mm, Z axis : ±0.02mm X axis : 690mm, Y axis : 505mm, Z axis : 30mm 0.15°
Input/Output System	Tube In Tube Out Tape In Tape Out Tray In/Out	1. Manual Tube In Loader : Capacity : 4 Tubes 2. Automatic SOP IC Tube Loader : Capacity : 35~40 Tubes Manual Tube Out Loader : Capacity : 6 Tubes 1. Mechanical Tape Feeder : Support 8~32mm tape width 2. Electrical Tape Feeder : Support 8~32mm tape width Automatic Taping Machine : PSA & Heat Sealing : Support 8~32mm tape width 1. Manual Input JEDEC Tray 2. Manual Out Put JEDEC Tray 3. Automatic Tray In Loader : Capacity : 25 JEDEC Trays 4. Automatic Tray Out Loader : Capacity : 25 JEDEC Trays 5. NG IC Plate
Vision System	Camera Vision Alignment Vision Accuracy Vision Process Time	1. Fixed CCD : 659 x 494 pixels 2. Carried CCD : 659 x 494 pixels IC corner leads ±0.01mm ~ 0.1 sec/unit
Programming System	Programmer Programming Site Support IC IC Package	ProgMaster-U8 *2 16 EEPROM, NAND/ NOR FLASH, MCU... etc DIP、SOP、SSOP、TSOP、PLCC、QFN、LQFP、BGA...etc
Marker	Ink Marker	Different color available : support dot (1.5mm~2.0mm), character and number (2mm x 3mm)
Operation Environment	Input Voltage Power Consumption Air Flow Air Pressure	200~245V / 50-60Hz 1.3 KVA 25 liter/min 0.6 MPa (~6.0 kg/cm <sup>2</sup> )
Dimension	Main Unit Main unit+Tube Loader Main unit+Tape Feeder Main unit+Tray Loader Weight	W x D x H : 1060mm x 940mm x 1300mm W x D x H : 1060mm x 1660mm x 1300mm W x D x H : 1060mm x 2060mm x 1300mm W x D x H : 1060mm x 1360mm x 1300mm 200 KG
Control System	PC O/S Display Input Devices	Windows 7 Embedded x86 19"LCD Keypad & Mouse

