

## DP2T Automated Programming System

#### www.dediprog.com

DP2T is the most compact and cost saving automated programming system. It can embed with one unit of All-in-one Programmer (NuProgPlus-S8) to support SPI Flash, EEPROM, MCU, CPLD, eMMC, and UFS, etc.

DP2T also supports both input and output in Tray or Tape and Reel.

With stable quality & high efficiency, the UPH can easily go up to 1000. Save your budget and 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 NuProgPlus-S8 (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.

#### One Click Project Execution (OPRJ)

New software integration included both machine project & programming project to avoid any human setting error

#### **Report Engine**

To consolidate and report multiple real time handlers' statuses for manufacturing management.

#### 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 can apply 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.

#### Optional Ink Marker on Tape Out

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

2023 V1.1

# Specification

Pick & Place System     Pick & Place Device     Vacuum Nozzle x 1       Throughput     Up to 1,000 UPH       Transmission System     Transmission     Belt & Linear Guide Mechanism       Resolution     X axis: 4003mm, Y axis: 4003mm, Z axis: 4003mm       Maximum Stroke     X axis: 408mm, Y axis: 4003mm, Z axis: 4003mm       Axis Resolution     0.1129*       Tube In     Manual Tube In Loader; capacity: 4 Tubes       Tube In     Manual Tube Out Loader; capacity: 4 Tubes       Tube In     Manual Tube Out Loader; capacity: 4 Tubes       Tube In     Support B-37mm tape width; up to 37mm carrier tape depth       Tape In     Electrical Tape Feeder; support 8-32mm tape width.       Tape In     Support B-37mm tape width; up to 37mm carrier tape depth       Tray In/Out     1. Manual Input JEDEC Tray       2. Manual Output JEDEC Tray     2. Manual Tube VIL Loader; capacity of 25 JEDEC Trays       4. N B IC Trays     4. N B IC Trays       Maxim Accuracy     -0.02mm       Vision Alignment     I. Carmer leade       Vision Alignment     Support In       Vision Process Time     -0.03mm       Vision Process Time     -0.02mm       Vision		Placement Accuracy	±0.03mm
X-Y-2 Drive     High Efficiency Stepper Drive System       Transmission System     Resolution     X axis: ±0.03mm, Y axis: ±0.03mm, Z axis: ±0.03mm       Maximum Strake     X axis: ±0.03mm, Y axis: ±0.03mm, Y axis: ±0.03mm, Z axis: ±0.03mm       Maximum Strake     X axis: 400mm, Y axis: ±0.03mm, Y axis: ±0.03mm, Z axis: ±0.03mm       Maximum Strake     X axis: 400mm, Y axis: ±0.03mm, Z axis: ±0.03mm       Maximum Strake     X axis: 400mm, Y axis: ±0.03mm, Z axis: ±0.03mm       Maximum Strake     X axis: 400mm, Y axis: ±0.03mm, Z axis: ±0.03mm       Maximum Strake     Tube In       Manual Tube Out     Manual Tube Out Loader; capacity: 4 Tubes       Tape Dut     Automated Taping Machine; PSA and Heat Sealing;       Support 8-32mm tape width, up to 32mm carrier tape depth     Tray in/Out       Tray in/Out     1. Manual Input JEDEC Tray       3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays     4. NG IC Trays       Vision Algoment     IC carrer teads       Vision Algoment     IC carrer teads       Vision Algoment     IC acrer teads       Vision Algoment     IC carrer teads       Vision Algoment     IC carrer teads       Vision Algoment     IC carrer teads       Suppor	Pick & Place System	Pick & Place Device	Vacuum Nozzle x 1
Transmission     Belt & Linear Guide Mechanism       Resolution     X axis: ±0.03mm, Y axis: ±0.03mm, Z axis: ±0.03mm       Maximum Stroke     X axis: ±0.03mm, Y axis: ±0.03mm, Z axis: ±0.03mm       B Axis Resolution     0.1175"       Tube In     Manual Tube In Loader; capacity: 4 Tubes       Iube Out     Manual Tube Out Loader; capacity: 6 Tubes       Tape In     Electrical Tape Feeder; support 8-22mm tape width       Tape Out     Automated Taping Machine; PSA and Heat Sealing: Support 8-32mm tape width; up to 32mm carrier tape depth       Tray In/Out     1. Manual Input JEDEC Tray       2. Annal Output JEDEC Tray     3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays       4. NG IC Trays     3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays       4. NG IC Trays     4. NG IC Trays       Vision Alignment     IC corner leads       Vision Alignment     IC corner leads       Vision Process Time     -0.03sec/unit       Programming Site     8 sockets       Support IC     EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UES, etc.       IC Package     SOP, SSOP, TSSOP, PLCC, QEN, LOPP, and BGA, etc.       Markers     Different color available; support dot (1.5mm-2.0mm), character and number (2mm x 3mm) </td <td>Throughput</td> <td>Up to 1,000 UPH</td>		Throughput	Up to 1,000 UPH
Transmission System     Resolution     X axis: ±0.03mm, Y axis: ±0.03mm, Z axis: ±0.03mm       Maximum Stroke     X axis: 498mm, Y axis: ±0.03mm, Z axis: ±0.03mm       B Axis Resolution     0.1125°       Tube In     Manual Tube In Loader; capacity: 4 Tubes       Tube Out     Manual Tube Out Loader; capacity: 4 Tubes       Tape In     Electrical Tape Feeder; support 8-32mm tape width       Tape Out     Automated Taping Machine; PSA and Heat Sealing; Support B-32mm 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       Yision System     Camera     728 x 544 [0.4M Pixels]       Vision Alignment     IC corner leads       Vision Alignment     Corner of NUProgPlus-S8       Programming System     Programming Site     8 sockets       Support IO     EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.       IC Package     SOP, SSOP, TSSOP, PLCO, GPN, LGFP, and BGA, etc.       Different color available; support dot [1.5mm-2.0mm], character and number [2mm x 3mm]     Input Voltage       Programming Site     8 sockets     Support IO       Support IO     EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.  <	Transmission System	X-Y-Z Drive	High Efficiency Stepper Drive System
Maximum Stroke     X axis: 498mm, Y axis: 402mm, Z axis: 40mm       e Axis Resolution     0.1125°       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 8-32mm tape width; up to 37mm carrier tape depth       Tray In/Out     1. Manual Input JEDEC Tray       2. Manual Output JEDEC Tray     2. Manual Output JEDEC Tray       3. Automatic Tray In/Out     1. Manual Input JEDEC Tray       3. Automatic Tray In/Out     1. Manual Notu JEDEC Tray       3. Automatic Tray In/Out     1. Manual Notu JEDEC Tray       4. NG IC Trays     3. Automatic Tray In/Out NOT       Vision Accuracy     #0.02mm       Vision Accuracy     #0.02mm       Vision Accuracy     #0.02mm       Vision Process Time     -0.03sec/unit       Programming System     Programming Site       Reace     Sockets       Support IC     EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.       IC Package     SOP, SSOP, TSSOP, PLCC, OFN, LOFP, and BGA, etc.       Programming System     I		Transmission	Belt & Linear Guide Mechanism
B Axis Resolution     0.1125*       Tube In     Manual Tube In Loader; capacity: 4 Tubes       Tube Out     Manual Tube Out 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 8-32mm tape width; up to 32mm carrier tape depth       Tray In/Out     1. Manual Input JEDED Tray       2. Manual Output JEDEC Tray     3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays       4. NG IC Trays     4. NG IC Trays       Camera     728 x 544 (04 M Pixels)       Vision Accuracy     4.003mm       Vision Accuracy     4.003mm       Vision Process Time     -0.03sec/unit       Programmer     NuProgPlus-58       Programmer     NuProgPlus-58       Programmer     NuProgPlus-58       Support I C     EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.       I C Package     S0P, SSOP, PLCO, QFN, LOFP, and BGA, etc.       Burger I C     EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.       I C Package     S0P, SSOP, PLCO, QFN, LOFP, and BGA, etc.       Support I C     EEPROM, N		Resolution	X axis: ±0.03mm, Y axis: ±0.03mm, Z axis: ±0.03mm
Input/Output System     Tube In     Manual Tube In Loader; capacity: 4 Tubes       Tube Out     Manual Tube Out Loader; capacity: 6 Tubes     Tube Out       Tape In     Electrical Tape Feeder; support 8-32mm tape width       Tape Out     Automated Taping Machine; PSA and Heat Sealing; Support 8-32mm 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 Alignment     IC corner leads       Vision Alignment     IC corner leads       Vision Process Time     -0.03sec/unit       In Programming Site     8 sockets       Support IC     EPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.       IC Package     SOP, SSOP, TSSOP, PLCC, QPN, LGPP, and BOA, etc.       Markers     Input Votage     200:15% Vac, 40-60Hz       Programming Site     8 sockets     Socharacter and nu		Maximum Stroke	X axis: 498mm, Y axis: 402mm, Z axis: 40mm
Input/Output SystemTube OutManual Tube Out Leader; capacity: 6 TubesTape InElectrical Tape Feeder; support 8-32mm tape widthTape OutAutomated Taping Machine; PSA and Heat Sealing; Support 8-32mm tape width; up to 32mm carrier tape depthTray In/Out1. Manual Input JEDEC Tray 3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays 4. NGI CI TraysYision SystemCamera728 x544 (0.4M Pixets)Yision Process Time-0.03sec/unitYision Process Time-0.03sec/unitProgramming Site8 socketsSupport ICEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.IC ProcessDifferent color available; support dot (1.5mm-2.0mm), character and number (2mm x 3mm)ProgrammerNeProgrammaProver ConsumptionIkVAAr Flow251ters/minAir Flow251ters/minAir Flow250x 1950mmMain Unit-Tape Loader1200 x 101X 1590mmMain Unit-Tape Loader		θ Axis Resolution	0.1125°
Imput/Output System     Tape In     Electrical Tape Feeder; support 8-32mm tape width       Tape Out     Automated Taping Machine; PSA and Heat Sealing; Support 8-32mm tape width, up to 32mm carrier tape depth       Tray In/Out     1. Manual Input JEDEC Tray 3. Automatic Tray In/Out 1. Dector Tray 3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays 4. NG IC Trays       Tray In/Out     1. Manual Notupt JEDEC Tray 3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays 4. NG IC Trays       Tray In/Out     1. Corner leads       Vision Accuracy     0.02mm       Vision Accuracy     0.02mm       Vision Accuracy     0.02mm       Vision Accuracy     0.02mm       Programming Site     8 sockets       Support IO     EEPRON, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.       IC Package     SOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.       Markers     Different color available; support dot (1.5mm-2.0mm), character and number [2mm x 3mm]       Ink Marker     Different color available; support dot (1.5mm-2.0mm), character and number [2mm x 3mm]       Input Voltage     200.15% Vac, 40-60Hz       Power Consumption     1.K/A       Air Flow     25titers/min       Air Pressure     0.MP3P-6.0kg/cm2]       Main Unit Tape Loa	Input/Output System	Tube In	Manual Tube In Loader; capacity: 4 Tubes
Input/Output System     Tape Out     Automated Taping Machine; PSA and Heat Sealing; Support 8-32mm 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       4. NG IC Trays     2. Manual Output JEDEC Tray       3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays     4. NG IC Trays       4. NG IC Trays     2. Manual Output JEDEC Tray       3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays     4. NG IC Trays       4. NG IC Trays     2. Manual Output JEDEC Tray       3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays     4. NG IC Trays       4. NG IC Trays     2. Monal Output JEDEC Tray       5. Output JEDEC Trays     4. NG IC Trays       728 x 544 (0.4M Pixels)     728 x 544 (0.4M Pixels)       Vision Accuracy     40.02mm       Vision Accuracy     40.02mm       Vision Accuracy     40.02mm       Vision Process Time     -0.03sec/unit       Programming Site     8 sockets       Support IC     EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.       IC Package     SOP, SSOP, TSSOP, PLCC, OFN, LGFP, and BGA, etc.		Tube Out	Manual Tube Out Loader; capacity: 6 Tubes
Note of the second se		Tape In	Electrical Tape Feeder; support 8~32mm 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   4. NG IC Trays     Vision System     Vision Alignment   IC corner leads     Vision Accuracy   4.0.02mm     Vision Process Time   -0.03sec/unit     Programming System   Programmer     NuProgPlus-S8   Programmer     Programming Site   8 sockets     Support IC   EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.     IC Package   SOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.     Markers   Different color available; support dot (1.5mm-2.0mm), character and number [2mm x 3mm]     Operation Environment   Input Voltage   200±15% Vac, 40-60Hz     Power Consumption   1kVA   Air Flow   25liters/min     Air Flow   25liters/min   Air Pressure   0.4MPa [-6.0kg/cm2]     Main Unit Tape Loader   1200 x 610 x 1590mm   Main UnitTray Loader     IMain UnitTape Loader   1200 x 1830 x 1590mm   Main UnitTray Loader     Alarm LED light)   Main UnitTray Loader   1200 x 1830 x 1590mm     Main UnitTray Loader   1200 x 100 TO <t< td=""><td>Tape Out</td><td>Automated Taping Machine; PSA and Heat Sealing;</td></t<>		Tape Out	Automated Taping Machine; PSA and Heat Sealing;
2. Manual Output JEDEC Tray 3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays 4. NG IC TraysYision SystemCamera728 x 544 [0.4M Pixels]Vision AlignmentIC corner leadsVision Accuracy±0.02mmVision Process Time-0.03sec/unitProgramming SystemProgramming SizeProgramming Size8 socketsSupport I CEEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.Ic PackageSOP, SSOP, PLCC, QFN, LQFP, and BGA, etc.Different color available; support dot (1.5mm-2.0mm), character and number (2mm x 3mm)ProgrammentInfu VoltageProver Consumption1kWAAir Flow25liters/minAir Pressure0.6MPa (-6.0kg/cm2)Main Unit-Tube Loader1200 x 610 x 1590mmMain Unit-Tape Loader1200 x 160 x 1590mmMain Unit-Tape Loader1200 x 1700 x 1590mmMain Unit-Tape Loader1200 x 1700 x 1590mmMain			Support 8~32mm tape width; up to 32mm carrier tape depth
3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays     4. NG IC Trays     A. NG IC Trays     Yision Algmment   IC corner leads     Vision Accuracy   40.02mm     Vision Accuracy   40.02mm     Yision Process Time   -0.03sec/unit     Programming Stystem   Programming Stie     Support IC   EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.     Support IC   EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.     IC Package   SOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.     Programmer   Different color available; support dot (1.5mm-2.0mm), character and number (2mm x 3mm)     American Involve (200 ±15% Vac, 40-60Hz   Power Consumption     Power Consumption   1KVA     Air Pressure   0.6MPa (-6.60g/cm2)     Main Unit Tube Loader   1200 x 160 x 1590mm     Main Unit-Tape Loader   1200 x 160 x 1590mm     Main Unit-Tape Loader   1200 x 150 x 1590mm     Main Unit-Tape Loader   1200 x 1590mm		Tray In/Out	1. Manual Input JEDEC Tray
4. NG IC TraysCamera728 x 544 (0.4M Pixels)Vision AlignmentIC corner leadsVision Accuracy±0.02mmVision Process Time-0.03sec/unitProgramming SystemProgrammerProgramming Site8 socketsSupport ICEEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.IC PackageSOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.Ink MarkerDifferent color available; support dot (1.5mm-2.0mm), character and number [2mm x 3mm]Power Consumption1kVAAir Flow25liters/minAir Flow25liters/minAir Pressure0.6MPa I-6.0kg/cm2]Main Unit Tube Loader1200 x 610 x 1590mmMain Unit+Tray Loader1200 x 100 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmMain Unit+Tray Loader<			2. Manual Output JEDEC Tray
Vision SystemCamera728 x 544 (0.4M Pixels)Vision AlignmentIC corner leadsVision Accuracy±0.02mmVision Process Time-0.03sec/unitProgramming SystemProgrammerNuProgPlus-S8Programming Site8 socketsSupport ICEEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.IC PackageSOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.Ink MarkersInk MarkerOperation EnvironmentInput VoltageAir Flow250 ters/minAir Pressure0.6MPa (-6.0kg/cm2)Main Unit+Tube Loader1200 x 610 x 1590mmMain Unit+Tape Loader1200 x 700 x 1590mmMain Unit+Tape Loader1200 x 100 x 1590mmMain Unit+Tay Loader1200 x 100 x 1590mmMain Unit+Tay Loader1200 x 1700 x 1590mm <td></td> <td>3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays</td>			3. Automatic Tray In/Out Loader; capacity of 25 JEDEC Trays
Vision SystemVision AlignmentIC corner leadsVision Accuracy±0.02mmVision Process Time-0.03sec/unitProgramming SystemProgrammerNuProgPlus-S8Programming Site8 socketsSupport ICEEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.IC PackageSOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.MarkersInk MarkerDifferent color available; support dot (1.5mm-2.0mm), character and number [2mm x 3mm]Operation EnvironmentInput Voltage200±15% Vac, 40-60HzNumeric Consumption1kVAAir Flow25liters/minAir Pressure0.6MPa (-6.0kg/cm2)Main Unit 1200 x 610 x 1590mmMain Unit+Tape Loader1200 x 100 x 1590mmMain Unit+Tape Loader1200 x 1700 x 1590mmMain Unit+Tape Loader			4. NG IC Trays
Vision SystemVision Accuracy±0.02mmVision Process Time-0.03sec/unitProgramming SystemProgrammerNuProgPlus-S8Programming Site8 socketsSupport ICEEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.IC PackageSOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.Ink MarkersDifferent color available; support dot (1.5mm-2.0mm), character and number (2mm x 3mm)Operation EnvironmentInput Voltage200±15% Vac, 40-60HzPower Consumption1kVAAir Flow25liters/minAir Pressure0.6MPa (-6.0kg/cm2)Main Unit1200 x 610 x 1590mmMain Unit+Tube Loader1200 x 100 x 1590mmMain Unit+Tape Loader1200 x 100 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmWeight210kgPC 0/SWindows 10 10TDisplay19"LCD	Vision System	Camera	728 x 544 (0.4M Pixels)
Vision Accuracy     #U.Uzmm       Vision Process Time     -0.03sec/unit       Programming System     Programmer     NuProgPlus-S8       Programming Site     8 sockets       Support IC     EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.       IC Package     SOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.       Markers     Ink Marker     Different color available; support dot (1.5mm-2.0mm), character and number (2mm x 3mm)       Operation Environment     Input Voltage     200±15% Vac, 40-60Hz       Power Consumption     1kVA       Air Flow     25liters/min       Air Flow     25liters/min       Air Pressure     0.6MPa (-6.0kg/cm2)       Main Unit     1200 x 610 x 1590mm       Main Unit+Tape Loader     1200 x 1590mm       Main Unit+Tape Loader     1200 x 1590mm       Main Unit+Tray Loader     1200 x 1590mm       Main Unit+Tray Loader     1200 x 100 x 1590mm       Main Unit+Tray Loader     1200 x 1700 x 1590mm       Main Unit+Tray Loader     1200 x 1700 x 1590mm       Main Unit+Tape Loader     1200 x 1700 x 1590mm       Main Unit+Tape Loader     1200 x 100 T       We		Vision Alignment	IC corner leads
Programming SystemProgrammerNuProgPlus-S8Programming Site8 socketsSupport ICEEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.IC PackageSOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.MarkersInk MarkerDifferent color available; support dot (1.5mm-2.0mm), character and number (2mm x 3mm)Operation EnvironmentInput Voltage200±15% Vac, 40-60HzPower Consumption1kVAAir Flow25liters/minAir Pressure0.6MPa [-6.0kg/cm2]Main Unit1200 x 610 x 1590mmMain Unit+Tube Loader1200 x 990 x 1590mmMain Unit+Tape Loader1200 x 1700 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmWeight210kgPC O/SWindows 10 I0TDisplay19°LCD		Vision Accuracy	±0.02mm
Programming SystemProgramming Site8 socketsSupport ICEEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.IC PackageSOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.MarkersInk MarkerDifferent color available; support dot (1.5mm-2.0mm), character and number (2mm x 3mm)Operation EnvironmentInput Voltage200±15% Vac, 40-60HzPower Consumption1kVAAir Flow25liters/minAir Pressure0.6MPa (-6.0kg/cm2)Main Unit1200 x 610 x 1590mmMain Unit+Tube Loader1200 x 900 x 1590mmMain Unit+Tape Loader1200 x 100 x 1590mm <th< td=""><td>Vision Process Time</td><td>~0.03sec/unit</td></th<>		Vision Process Time	~0.03sec/unit
Programming SystemSupport ICEEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.IC PackageSOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.MarkersInk MarkerDifferent color available; support dot (1.5mm~2.0mm), character and number (2mm x 3mm)Operation EnvironmentInput Voltage200±15% Vac, 40-60HzPower Consumption1kVAAir Flow25liters/minAir Pressure0.6MPa (-6.0kg/cm2)Main Unit1200 x 610 x 1590mmMain Unit+Tube Loader1200 x 990 x 1590mmMain Unit+Tape Loader1200 x 1830 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmMain Unit+Tape Loader1200 x 1700 x 1590mmMain Unit1200 x 160 mom	Programming System	Programmer	NuProgPlus-S8
Support ICEEPROM, NAND/ NOR FLASH, MCU, eMMC, and DFS, etc.IC PackageSOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.MarkersInk MarkerDifferent color available; support dot (1.5mm-2.0mm), character and number (2mm x 3mm)Operation EnvironmentInput Voltage200±15% Vac, 40-60HzPower Consumption1kVAAir Flow25liters/minAir Pressure0.6MPa (-6.0kg/cm2)Main Unit1200 x 610 x 1590mmMain Unit+Tube Loader1200 x 900 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mm <td>Programming Site</td> <td>8 sockets</td>		Programming Site	8 sockets
MarkersDifferent color available; support dot (1.5mm~2.0mm), character and number (2mm x 3mm)Operation EnvironmentInput Voltage200±15% Vac, 40-60HzOperation EnvironmentInput Voltage200±15% Vac, 40-60HzOperation EnvironmentMair Flow25liters/minAir Pressure0.6MPa (~6.0kg/cm2)Main Unit1200 x 610 x 1590mmMain Unit1200 x 610 x 1590mmMain Unit+Tupe Loader1200 x 790 x 1590mmMain Unit+Tape Loader1200 x 100 x 1590mmMain Unit+Tape Loader1200 x 1700 x 1590mmMain Unit+Tape Loader1200 x 100 x 1590mmMain Unit+Tape Loader1200 x 100 x 1590mmMain Unit+Tape Loader1200 x 100 x 1590mmMain Unit+Tape Loader1200 x 1700 x 1590mmMain Unit+Tape Loader1200 x 100TDisplay19°LCD		Support IC	EEPROM, NAND/ NOR FLASH, MCU, eMMC, and UFS, etc.
MarkersInk Markercharacter and number (2mm x 3mm)Operation EnvironmentInput Voltage200±15% Vac, 40-60HzPower Consumption1kVAAir Flow25liters/minAir Pressure0.6MPa (~6.0kg/cm2)Main Unit1200 x 610 x 1590mmMain Unit1200 x 990 x 1590mmMain Unit+Tube Loader1200 x 990 x 1590mmMain Unit+Tape Loader1200 x 100 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmMain Unit+Tray Loader1200 x 100 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmMain Unit+Tray Loader190 x 1700 x 1590mm		IC Package	SOP, SSOP, TSSOP, PLCC, QFN, LQFP, and BGA, etc.
MarkersInk Markercharacter and number (2mm x 3mm)Operation EnvironmentInput Voltage200±15% Vac, 40-60HzPower Consumption1kVAAir Flow25liters/minAir Pressure0.6MPa (~6.0kg/cm2)Main Unit1200 x 610 x 1590mmMain Unit1200 x 990 x 1590mmMain Unit+Tube Loader1200 x 990 x 1590mmMain Unit+Tape Loader1200 x 100 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmMain Unit+Tray Loader1200 x 100 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmMain Unit+Tray Loader190 x 1700 x 1590mm		Ink Marker	Different color available: support dot (1.5mm~2.0mm).
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Air Pressure0.6MPa [~6.0kg/cm2]Dimension (W x D x H)Main Unit1200 x 610 x 1590mmMain Unit+Tube Loader1200 x 790 x 1590mmMain Unit+Tape Loader1200 x 1830 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmMain Unit+Tray Loader1200 x 1700 x 1590mmPC 0/SWindows 10 I0TDisplay19"LCD			
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(Monitor Wide Opened and Alarm LED light)   Main Unit+Tape Loader   1200 x 1830 x 1590mm     Main Unit+Tray Loader   1200 x 1700 x 1590mm     Weight   210kg     PC 0/S   Windows 10 I0T     Display   19"LCD		Main Unit	-
(Monitor Wide Opened and Alarm LED light)   Main Unit+Tape Loader   1200 x 1830 x 1590mm     Main Unit+Tray Loader   1200 x 1700 x 1590mm     Weight   210kg     PC 0/S   Windows 10 I0T     Display   19"LCD	Dimension (W x D x H)	Main Unit+Tube Loader	
Alarm LED light)   Main Unit+Tray Loader   1200 x 1700 x 1590mm     Weight   210kg     PC 0/S   Windows 10 I0T     Display   19"LCD			
Weight     210kg       PC 0/S     Windows 10 I0T       Display     19"LCD			
PC 0/S Windows 10 IOT   Display 19"LCD			
Control System Display 19"LCD	Control System		
		Input Devices	Keypad & Mouse

### DediProg Technology Co., Ltd.

Taiwan Headquarter T/ 886-2-2790-7932 E/ sales@dediprog.com

U.S. T/ 1-909-274-8860 E/ america@dediprog.com China T/ 86-21-5160-0157 E/ sales@dediprog.com.cn

Europe E/ europe@dediprog.com Korea T/ 031-275-3838 E/ korea@dediprog.com

Japan E/ japan@dediprog.com Malaysia T/ 607-360-9719 E/ sales@dediprog.com

Vietnam T/ 84-986-358-863 E/ sales@dediprog.com