DediProg

ProgTech

www.progtech-store.com

Make IC Programming PERFECT

DediProg Technology

A Leading Manufacturer in IC Programming Field

Automated IC Programming System

- High Throughput
- Support ALL IC Device Families
- Fast and Accurate Positioning
- Foolproof Mechanism
- Modular Design to Meet Different Requirement
- DediProg Auto Teach Feature

  Able to adjust the parameters automatically and increase the system speed, accuracy, and stabilities
- 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

Automated Taping Machine (with Ink Marker/InkJet Marker)

DP600-A (DP600A-MD/MJ)

- Mechanical Accuracy +/- 0.04 mm
- Support up to 22" (550 mm) input and 13" (330 mm) Output Tape Reel
- Support 8~88 mm width cover tape & 32 mm depth carrier tape
- PSA (Press Sensitive Adhesive) and Heat Sealing

Standard Accessories:

1. Sensors for cover tape, carrier tape, home, empty pocket, and floating chip
2. Support RS-232 and IO Interface

Automated Repacking System

DP900

- Mechanical Accuracy +/- 0.05 mm
- 5,500 UPH (Varies with the configurations)
- Input: Tube, Tray, Tape
- Output: Tray or Tape
- Fully automatic and support up to 30~40 tubes or 25 trays
- Dedicated automatic tube loader for SOP, SSOP, and TSSOP packages
- Taping sub-system supports both PSA and heat sealing
- Support 22" tape reel and 8~88mm tape width
- Sensor for cover tape, empty pocket, floating chip, and tray position

Auto Tray Loader (with Ink Marker/InkJet Marker)

Auto Tray-350 (MD/MJ)

- Support 20 to 25 JEDEC Standard Trays
- Tray Change Cycle Time: 20 seconds
- Support Online Ink or Inkjet Marking
- Able to Work Independently
- Perfectly Combine with DediProg's Automated IC Programming System
- Inkjet Supports Barcode and QRcode (size limited)

▲ Auto Tray-350MJ

▲ Auto Tray-350MD

Premium Automation

DP3000-G3

- High Throughput: up to 3,500 UPH
- All New Designed FPGA Kernel Architecture Supplies Ultra High Speed Programming Performance
- Support Up to Six Programmers with 48 Programming Sites (Only 24 Sites for PCI-E Device, But Can Expand to 96 Sites for UFS/eMMC IC & Flash)
- Universal Gang Programmer for MCU/UFS/eMMC/NOR/NAND/EEPROM and PCI-E SSD (Master IC/Device is Required as the Data Source)
- Future Development, Industrial Securities CAN Bus, NVME, PCIE, SATA, Custom Protocol, and Open Source Platform
- Support Laser, Labeling & 3D Optical Inspection

Type	General Purpose, Low Mix, High Volume
Expandable Programming Sites	ProgMaster-S8 x 6 (48 sites) eMMC-S8 x 6 (48 sites) NuProgPlus x 6 (Up to 96 sites)
Input Peripherals	Tape/Tray/Tube
Output Peripherals	Tape/Tray/Tube
General Guideline & Recommendation	1. Large program file 2. Expandable feature (Laser, 3D optical inspection, and label feeder...etc.) 3. WLCSP (Wafer Level Chip)/BGA (as small as 1.5x0.85mm)
Dimension (Monitor wide opened & alarm light)	2200 x 1300 x 1700 mm

Economical Automation

DP2T

- High Throughput: up to 1,000 UPH
- Able to Embed with One Set of ProgMaster-S8 (Universal Devices) or One Set of NuProgPlus (Universal & UFS) with 8 Programming Sites

Type	General Purpose One nozzle
Expandable Programming Sites	ProgMaster-S8 x 1 NuProgPlus x 1 (8 sites)
Input Peripherals	Tape/Tray/Manual Tube
Output Peripherals	Tape/Tray
General Guideline & Recommendation	Cost-effective Compact size
Dimension (Monitor wide opened & alarm light)	1200 x 610 x 1590 mm

Versatile Automation

DP1000-G3

- High Throughput: up to 2,200 UPH
- Adjustable Socket Actuating Kit
- Compact Size

Type	General Purpose High Mix, Low Volume
Expandable Programming Sites	ProgMaster-S8 x 2 NuProgPlus x 2 (Up to 16 sites)
Input Peripherals	Tape/Tray/Tube
Output Peripherals	Tape/Tray/Tube
General Guideline & Recommendation	Short programming time (16 socket sites)
Dimension (Monitor wide opened & alarm light)	1500 x 1050 x 1600 mm

Gang Programmer and Duplicator

Able to Use Independently or Integrate with Automated Systems

Model Name	ProgMaster-U4/U8	NuProg-F8/eMMC-F8	NuProgPlus-U8
Product Type	**Universal Gang Programmer**	**eMMC/UFS Gang Programmer and Duplicator**	**Universal Gang Programmer and Duplicator**
Function	Progamming	1. Master chip programming 2. Duplicating	Programming and duplicating
Programming Sites	4 or 8 sites	8 sites	8 sites
Stand-Alone Feature	Yes	Yes	Yes
Support IC Kinds	All IC Types (Except for UFS)	UFS (Up to 180MB/s) and eMMC (Up to 100MB/s)	All IC Types (Include UFS, PCI-E and CAN bus IC)
Expandable Capability	PC to multiple programmers	✗	PC to multiple programmers

Handheld Size Engineering Programming Solutions

Model Name	SF100	SF600	SF600 *Plus*	SF700	K110	StarProg-A	StarProg-U	NuProg-E
Support IC Types	**SPI NOR Flash**			**SPI NOR, SPI NAND, and SPI Octal. NOR**	**SPI NOR, SPI NAND, and EEPROM**	**MCU, CPLD, SPI NOR Flash, SPI NAND Flash, and EEPROM**	**All IC Types (Except for UFS)**	**UFS (Up to 180MB/s) eMMC (Up to 100MB/s)**
On Board Programming (ISP/ICP)	✓						✗	
Socket Site	Through bottom board	One site						
Stand-Alone	✗		✓				✗	
Software	SF Software				Dediware			
3rd Party Integration	Command Line			ATE Port, Command Line		ATE Port, Command Line, DLL API (Optional)	Command Line	✗

Emulator

EM100Pro-G2

- Robust SPI Bus Trace with 512MByte buffer
- Emulates all SPI NOR Flash in the market
- Support Single IO, Dual IO and Quad IO
- Support Maximum of 50MHz SPI Clock
- Update Code in less than 3 seconds
- Support up to 2Gbit SPI Flash emulation

UFS Reader

UFSProg-CS

- Compliant with UFS v2.1, which supports HS-Gear3
- Compliant with USB v3.1 Gen 1, which supports UASP
- Each of LUNs will be Enumerated as Logic Disk under USB Mass Storage Mode
- Support IC with or without solder ball

IC Programming Service

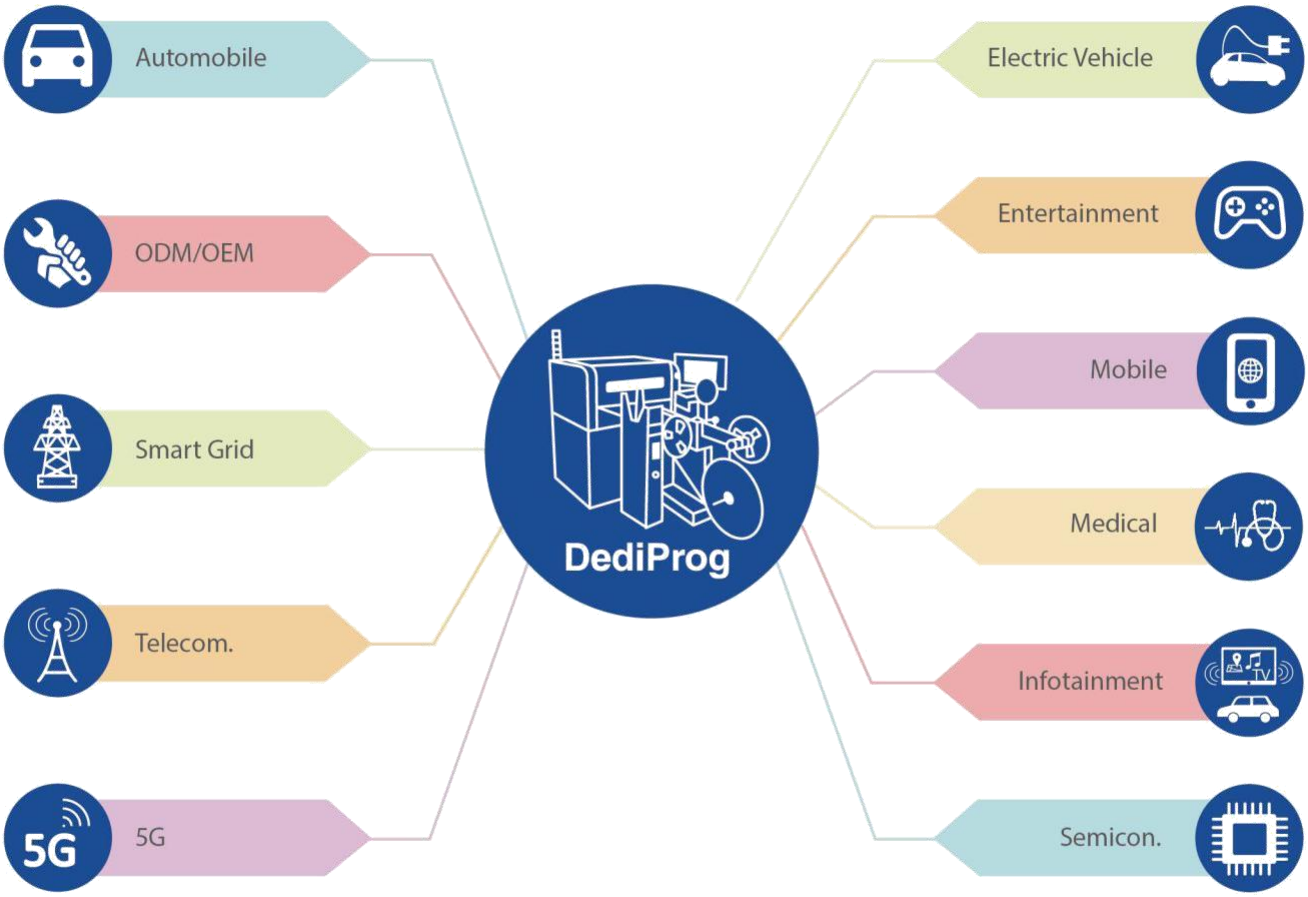
- Automated Device Programming
- Packing Transfer/Device Marking
- High Capacity
- Flexible Service

Why DediProg?

- Leading IC Programming Solution Provider
- Highest Throughput with Accurate Production Yield
- Fast Technical Support
- New IC Algorithms/Software/Firmware Are Free to Download
- The Top Quality & New Technology with the Reasonable Price

Not Only Tools But Solution

Programming Solutions for Entry Level or High Tech Market



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