Automotive Performance Programming System
Meet automotive production requirements for strict configuration and quality control, traceability, and yield optimization with the Automotive Performance Programming System.
This cost effective, high throughput automated System with 12 programmer locations, is capable of programming flash microcontrollers and memory devices at a rate of up to 1400/pph. Performance management system includes Version Control, Bar code labeler/device verification, Enhanced Fail Handling, and Extended job data logging for SPC. Optional vision from ICOS may be configured into the system for 3D package inspection.

Unique Benefits:

- Track programmed components with a barcode ID, to facilitate item tracking in inventory and through production.
- Provide visibility of operations to remote managers and business partners
- Precise details about the programming process can be analyzed to reveal trends that impact quality, and to help managers determine process improvements.
- Strict configuration control over tools and processes
- Reduce waste by maximizing device programming yield

The Automotive Performance Programming System supports microcontrollers from leading vendors to the automotive industry, including Atmel, Freescale, Fujitsu, Intel, MCT, Freescale, NEC, Renesas, ST Microelectronics, Texas Instruments, and Toshiba.

SYSTEM FEATURES

- Accommodates up to 48 programming sites from the FlashCORE line, or up to 12 Universal Optima programmers, to address any device mix.
- Automated programming system with pick and place, marking and media transfer sub-systems
- Supports Flash Memory: NOR, NAND, DiskOnChip, MCP, Microcontrollers and Logic

- Package Support: DIP, PLCC, SOIC, SON, WSON, SSOP, CSP (uBGA, BGA) QFP, TQFP & TSOP
- Up to twelve FlashCORE programming stations, creating up to 48 programming sites
- Up to twelve OPIMA Universal programming stations
- High Insertion Count Adapter for uBGA, BGA and QFP
- Any combination of I/O media possible including tape input/output, tube input/output, or two JEDEC/Non-JEDEC tray locations (manual and/or automated tray feeder).
- A choice of PNP socket actuation or FlashCORE actuator top plates
- Bar Code Labeling software
- Version Control (FlashCORE systems)
- Enhanced Fail Handling
- Remote Monitoring via network
- Extended Job Log for SPC data capture
- Optional ICOS 3D vision inspection

MARKING OPTIONS

- C02 Laser
- Thermal Labeler