

The PSV3000 automated programming system delivers trusted performance, high reliability and local support at a great value.

Performance: Engineered with leading handling and programming technology to *easily* manage any programming job

Reliability: Designed for **highest** quality programming, yield and production uptime

Efficiency: Developed to simplify the programming process and deliver the **lowest** total cost of programming and high quality



Performance

- Up to 1000 devices/hour with 1 to 4 programmers (4 to 16 sockets)
- FlashCORE III programming engine with SuperBoost Technology for optimized algorithms & universal device support
- Industrial vision alignment system for fast image acquisition
- Flexible media I/O options for fast changeover
 - static tray
 - tray stacker
 - tape in/tape out

Reliability

- Precision handling and placement with:
 - Data I/O's perfected pick and place head
 - Dual support gantry
 - Vision alignment system
- Proven programming technology with Data I/O's FlashCORE III programming engine
- High Insertion Count sockets (HIC) for highest programming yield
- Local service, engineering and support in local language

Efficiency

- Lowest total cost of programming
- Access to the world's largest library of device support
- Investment protection: Compatible with all existing FlashCORE III adapters, algorithms and programming JOBS
- Highest quality programming yield minimizes scrap cost

PSV3000 Performance. Reliability. Cost effectiveness

Device Handling System

- Throughput: Up to 1000 parts per hour (with tray, tape and tube, even with large file sizes)
- Placement Accuracy: $\pm .03$ mm
- Placement Force: Compliant tips
- Pick-and-Place Method: Single vacuum nozzle
- Component Detection: Vacuum sensor
- Frame Dimensions: 1290mm D x 870mm W x 1520mm H (not including media I/O & monitor)
- Shipping Dimensions: 1310mm D x 930mm W x 1760mm H (not including media I/O & monitor)
- Net Weight: 450Kg
- Shipping Weight: 550Kg
- Regulatory: CE Compliant
- Alignment: Vision alignment
- Package Size Range min / max: (4 mm x 4 mm) to (30 mm x 30 mm)

Positioning System

- X-Y Drive System: Servo-driven screw drive
- X-Y-axis Resolution: ± 0.02 mm using rotary encoders
- Theta-axis Resolution: $.07^\circ$ servo drive
- Z-axis Resolution: $.06^\circ$
- X-Y Encoder Type: Rotary encoder
- Z-drive System: Stepper belt-drive
- Theta Drive System: Servo motor

I/O Media Options

- Tray Feeder: Support up to 20 JEDEC Trays
- Tape-In: Support 8, 12, 16, 24, 32, 44, 56 mm tape widths
- Tape-Out: Support 8-44 mm tape widths (adjustable)
- Manual Tray: Available without any special tooling
- Ink Dot Marker
- Fiber Laser Marker
- 2D Tape-out Inspection

Universal Device Support

- Flash Memory (NOR, NAND, MCP, MMC, e.MMC, SD, MoviNAND, OneNAND, iNAND, Serial Flash, EEPROM, EPROM...), Microcontrollers and Logic Devices (CPLD, FPGA)

Our customers

Leading global automotive electronics companies trust Data I/O systems to correctly program engine control units and braking systems. Industrial, medical & military companies trust us for their products. Top wireless handset manufacturers use Data I/O's solutions to program millions of devices each year. At Data I/O, we bring the world's premier companies' products to life.

System Requirements

- Air Pressure: 80 psi (552KPa)
- Air Flow: 6 SCFM (max)
- Operational Temperature: 55° F - 90° F
- Input Line Voltage: 208 - 240 VAC
- Input Line Frequency: 50 - 60 Hz
- Power Consumption: 0.9 KVa (max)
- Humidity: 35% to 90% RH, non-condensing

Software

- TaskLink
- CH700
- Windows 7

Service Option

- Operator training
- Annual Programmer Support (APS)

Service Spares

- PSV3000 Basic Spares Kit
- PSV3000 Supplemental Spares Kit
- PS-FlashCORE III Spares Kit

Programmer

- FlashCORE III

Optional Software

- Serial Number Server

Device Testing

- Continuity, checksum, blank check, mis-insertion test, verify, backwards device, two pass verify

Package Support

- PLCC, SO, SOIC, TSOP, TSSOP, SSOP, BGA, CSP, MLP, QFN, MLF, LAP, QFP, TQFP

Wireless & Communication

htc
quietly brilliant



ZTE 中兴

Consumer Electronics



lenovo 联想



SANYO

SONY

Industry Control

ABB **SIEMENS**



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