



## PSV3000

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**

### OPTIMIZED HANDLER

- Up to 1000 devices/hour with 1 to 4 programmers (4 to 16 sockets)
- FlashCOREIII 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: Designed for highest quality programming, yield + production uptime**

### PRECISION HANDLING + PLACEMENT

- Data I/O's perfected pick and place head
- Dual support gantry
- Programming technology with FlashCORE III programming engine
- Vision alignment system
- Local service, engineering, and support in local language
- Highest insertion count sockets(HIC) for highest programming yield

**Efficiency: Simplify the programming process + deliver the lowest total cost of programming+ high quality**

### LOWEST TOTAL COST

- 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



PERFORMANCE.



RELIABILITY.



EFFICIENCY.

## DATA I/O CORPORATION

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## DEVICE HANDLING

- **Throughput:** Handler rated up to 1000 devices per hour (with tray, tape + tube, even with large file sizes)
- **Placement Accuracy:** ± .03mm
- **Placement Force:** Compliant tips
- **Pick-and-Place Method:** single vacuum nozzles
- **Component Detection:** Vacuum Sensor
- **Alignment:** Vision alignment
- **Package Size Range:** (4 mm X 4 mm) to (30 mm x 30 mm)
- **Regulatory Compliance:** CE Compliant
- **Frame Dimensions:** 1290mm D x 870mm W x 15210mm H (not including media I/O)
- **Shipping Dimensions:** 1310mm D x 930mm W x 1760mm H (not including media I/O)
- **Net Weight:** 450kg
- **Shipping Weight:** 550kg

## POSITIONING SYSTEM

- **X-Y Drive System:** Servo-driven belt drive
- **X-Y Axis Resolution:** ± .002mm using rotary encoders
- **Theta-axis Resolution:** .072° servo drive
- **X-Y Encoder Type:** Rotary encoder
- **Z-drive System:** Stepper belt-drive
- **Theta Drive System:** Servo motor
- **Z-axis Resolution:** .06°

## I/O MEDIA OPTIONS

- **Tray Feeder:** Supports up to 20 JEDEC Trays
- **Tape-In:** Support 8/12/16/24/32/44/56mm tape widths
- **Tape Out:** Support 8 to 44mm tape widths (adjustable)
- **Manual Tray:** Available without any special tooling

## SOFTWARE

- **Tasklink**
- **CH700**
- **Windows 10**

## DEVICE MARKING OPTION

- **Laser Marker:** Solid state pulsed fiber laser marking for alpha numeric / graphic / 2D bar-code laser mark up to 28mm x 28 mm mark area
- **Tape Output:**
- **Power:** 0 - 10 Watts
- **Ink Dot Marking** Marks parts as small as 4mm x 4mm

## ADDITIONAL OPTIONS

- **Vision:** 3D Coplanarity Vision System
- **Vision:** 2D tape-out inspection
- **Ionizers:** Integrate up to 2 ionizers
- **Barcode Scanner**
- **NexTeach Pro:** Z-Laser measurement & 2D Vision Alignment

## SUPPORT OPTIONS & SERVICE

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

## UNIVERSAL DEVICE SUPPORT

- **Universal Device Support:** Flash Memory (NOR, NAND, MCP, MMC, e.MMC, SD, MoviNAND, OneNAND, iNAND, Serial Flash, EEPROM, EPROM..)
- **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, MFL, LAP, QFP, TQFP