



## PSV2800

The PSV2800 delivers ultra-fast performance with industry leading reliability for dedicated high volume applications at the lowest total cost of ownership.

**Performance:** *Engineered for speed & agility enabling more production throughput than any other system in its class.*

### OPTIMIZED HANDLER

- Up to 3000 parts/hour
- Scalable supporting 1 to 6 FlashCORE III programmers (4 to 24 sockets)
- 4 Head Pick and Place System

**Reliability** *Designed for easy set up & reliable performance*

### SMALL DEVICE HANDLING

- Integrated systems software and handling technology for highest quality
- Simple UI minimizes operator error
- Highest programming yield with Data I/O's proprietary HIC socketing technology

**Value:** *Delivering the lowest total cost of programming*

### LOWEST TOTAL COST

- Lowest total cost of programming
- Investment protection
- Global service and support

**PERFORMANCE.**

**RELIABILITY.**

**VALUE.**

## DATA I/O CORPORATION

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## DEVICE HANDLING

- **Throughput:** Handler rated up to 3000 devices per hour
- **Placement Accuracy:**  $\pm .02$ mm
- **Shuttle:** Single-probe stepper actuated z-motion with stepper-drive theta (rotation-axis)
- **Main Gantry:** 4-probe stepper actuated z-motion
- **Probe Stroke:** Main gantry: 31.5mm shuttle: 2.7mm
- **Alignment:** Precisor
- **System Software:** TaskLink for Windows, Data Management, Windows 10
- **Regulatory Compliance:** CE Compliant, RoHs, WEEE
- **Frame Dimensions:** 1090mm D x 880mm W x 1230mm H (not including media I/O)
- **Shipping Dimensions:** 1530mm D x 1130mm W x 1470mm H (not including media I/O)
- **Net Weight:** 450kg (992 lbs)
- **Shipping Weight:** 515kg (1135 lbs)

## I/O MEDIA OPTIONS

- **Tape Input:** 8/12/16/24/32mm
- **Tape Output:** 8 mm - 44mm (adjustable)

## DEVICE MARKING OPTION

- **Ink Dot Marking** Marks parts as small as 4mm x 4mm

## ADDITIONAL OPTIONS

- **Ionizers:** Integrate up to 2 ionizers
- **Barcode Scanner**

## PROGRAMMING ENGINE, ADAPTERS & DEVICE SUPPORT

### Programmer:

- **FlashCORE III with SuperBoost Technology**

### Socketing Technology:

- **Standard burn-in sockets** (typically 5,000 - 10,000 insertions per socket)
- **High Insertion Count Sockets:** (HIC) for BGA, TSOP, QFP (typically 250,000 insertions per socket)
- **Package Support**  
PLCC, SOIC, SON, WSON, SSOP, CSP, BGA, uBGA and more

### Universal Device Support:

- **FlashCORE III Flash Memory** (NOR, NAND, MCP, MMC, e.MMC, SD, MoviNAND, OneNAND, iNAND, Serial Flash, EEPROM, EPROM and more), Microcontrollers and Logic devices (CPLD, FPGA's, PLD's) and more
- **Supported Device Sizes:**  
21.50mm x 21.50mm (max)  
2.00mm x 3.00mm (min)

## SUPPORT OPTIONS & SERVICE

- **PSV2800 Basic Spares Kit**
- **PSV2800 Supplemental Spares Kit**
- **PS- FlashCORE III Spares Kit**
- **Operator Training**
- **Extended Service Contracts:** The first year of support is included in the system purchase price and can be extended via extended service support renewal. Data I/O offers a suite of options to cover both hardware and system software (consumables are not included).

## REQUIREMENTS

- **Input Voltage:** 208-240 VAC, 50/60 Hz, Single-phase 10 Amps Max
- **Operating Temperature:** 55°F to 86°F (+13°C to + 30°C)
- **Humidity:** 35% to 90% RH Non-Condensing
- **Air Pressure:** 80psi (5.5 bar)
- **Air Flow:** 6 SCFM (max)