



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*

OPTIMIZED HANDLER

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

PERFORMANCE.

RELIABILITY.

VALUE.

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

DATA I/O CORPORATION

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DEVICE HANDLING

- **Throughput:** Handler rated up to 3000 devices per hour
- **Placement Accuracy:** $\pm .02\text{mm}$
- **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

- **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
- **Package Support** PLCC, SOIC, SON, WSON, SSOP, CSP, BGA, uBGA and more

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

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)
- **Recepticalized burn-in sockets**
Typically 5,000-10,000 insertions per socket

Universal Device Support:

- **FlashCORE III** Flash Memory (NOR, NAND, MCP, MMC, eMMC, 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:** 208-240VAC
- **Input Line Frequency:** 50-60 Hz
- **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)