

PSV2800

Performance. Reliability. Value

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

- ✓ Performance
- ✓ Reliability
- ✓ Value



Performance

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

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

Reliability

Designed for easy set-up & reliable performance

- ✓ **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 of programming**
- ✓ **Investment protection**
- ✓ **Global service and support**

Device Handling System

- **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
- **Regulatory Compliance:** CE Compliant, RoHs, WEEE
- **System Software:** TaskLink for Windows, Centurion, Windows 10

- **Dimensions :** 1090mm D x 880mm W x 1230mm H (not including media I/O & monitor)
- **Shipping Dimensions:** 1530mm D x 1130mm W x 1470mm H (not including media I/O & monitor)
- **Net Weight:** 450kg (992 lbs)
- **Shipping Weight:** 515kg (1135lbs)

Input/output media I/O

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

Support Options & Service Spares

- **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 covers both hardware and system software (consumables are not included).

Requirements

Electrical/Power

- **Input voltage:** 208 - 240 VAC, 50/60 Hz, 1 PHz
- 10 Amps Max

Compressed Air Usage

- **Air pressure:** 80psi (5.5 bar)
- **Air flow:** 6 SCFM (max)

Operatering Temperature

- 55°F to 86°F (+13°C to + 30°C)

Humidity

- 35% to 90% RH Non-Condensing

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)
- **Recepticalized burn-in sockets** (typically 5,000 - 10,000 insertions per socket)
- **High Insertion Count Sockets (HIC)** for BGA (typically 250,000 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

- 21.50 mm X 21.50 mm (max)
- 2.00 mm X 3.00 mm (min)

Package Support

- PLCC, SOIC, SON, WSON, SSOP, CSP, BGA, uBGA and FPGA, QFP, TQFP, TSOP, PoP, DIP and more

Device Programming & Testing

Program, continuity, checksum, blank check, mis-insertion, test, verify, backwards device, two pass verify, ID check, Illegal bit-check



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