

Automotive *Performance PAK*

A Suite of Software Applications to Meet Strict Quality Requirements

8 of 9

TOP AUTOMOTIVE
SUPPLIERS

10

NETWORKED SYSTEMS
MONITORED

100%

JOB TRACEABILITY

ISO 9001

CERTIFIED QUALITY

Programmable devices continue to play an increasingly important role in mission-critical applications. ABS braking systems, engine control units, glucose monitors, defibrillators, pacemakers, building control systems, and more rely on devices to be correctly programmed and free from handling defects to operate properly. Global automotive, medical, and industrial controls electronics manufacturers trust Data I/O to meet their demanding quality requirements.

Available for the PSV7000 and PSV5000

Four Pillars of Quality Assurance

The Automotive Performance PAK adds mission-critical quality controls to your PSV programming systems.

CREATING THE JOB: VERSION CONTROL

Provides configuration management ensuring traceability and repeatable programming results regardless of the programming system's current firmware and software. Save and rerun an 'archived Job' file to reinstate an approved programming environment. Archived Job file includes algorithm, settings & image file(s).

VALIDATING JOB AND DEVICES MATCH: CONFIRM INPUT DEVICE

Validates that devices on new reels match the selected JOB devices before programming begins. Prevents cross-contamination and mismatched device errors in production.

MONITOR PROGRAMMING PROCESS: REMOTE MONITOR

Track up to 10 networked PSV7000 or PSV5000 systems in real-time. View job status, programming statistics, and system health from a single console.

POST PROGRAMMING PROCESS: TAPE LABEL GENERATOR

Design and print custom labels for reels directly from the system. Supports barcode generation, part number labeling, and customer-specific formatting requirements.

VERSION CONTROL

LumenX Version Control

- Ensures identical programming results in the future across various versions of the software.
- Note: License required for LumenX Version Control. PSV system must be on a 'Device Support Contact' (DSC) to create Version Control JOBS for the latest device supports.

CONFIRM INPUT DEVICE

- Confirm Input Device validates that devices on new reel match the device selected in the JOB
- Eliminates errors in component reel selection.

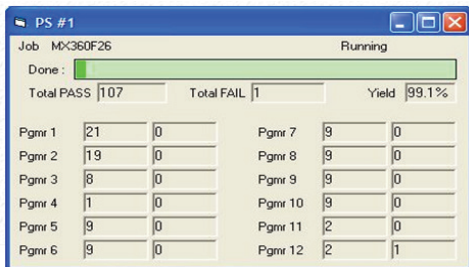
REMOTE MONITORING

PSV Remote Monitoring

- Remote viewing of networked PSV systems
- PSV monitor software is installed onto each networked PSV host computer
- PSV monitor client software is installed on each networked PC

Remote Monitoring Example (below):

- Managers can watch remote machine operations
- Near-real time machine utilization
- Pass/fail quantities
- Yield statistics



TAPE LABEL GENERATOR

Tape Label Generator application software enables design and printing of labels for reels.

- Up to 4 fields pre-defined
- Up to 4 fields at run time
- 6 Variables include:
 - Checksum
 - Job Name
 - Date
 - Time
 - Device Name
 - Counter

Tape Label Generator application Example (below):

- Simple label setup screens
- Label dimensioning
- Font and size selection
- Bar code support

