



our  
Vision  
your Success

LEAN Shop Floor Management

immediate visual control of your process



## Dynamic Process Control

### Immediate

Real-Time Interaction with Technicians/Engineers to Provide Alerts and Corrective Actions

LEAN Real-Time Material Inventory Management

LEAN Shop Floor Work Order Management

### Visual

User-Defined Dashboards, Configurable to Suit Your Needs

Total Visibility of Process/Equipment Data

Process and Product Yield Management

### Control

Control and Monitor Asset Utilization

Control and Monitor Overall Equipment Effectiveness (OEE)

Machine Setup Verification and Management

Dynamic Process Control (DPC) provides total LEAN Shop Floor Management from bare PCB's to fully populated product. DPC constantly drives process improvement by focusing on the weakest areas for immediate results, ensuring maximum efficiency and schedule adherence. Rather than relying on dashboards and charts to identify poor performance, DPC automatically analyses operations and actually alerts the people at the line to the best actions for immediate improvement. By continually leading improvements, line performance and quality are maximised using simple and easy to follow alerts, correcting issues BEFORE they become significant enough to cause losses.

DPC's configurable modular design permits the right solution to be implemented instantly and then grow with the needs of your business. Integrating operations, materials and equipment control ensures there are no opportunities for miscommunication or errors providing a true LEAN shop floor environment.

Discuss your SMT shop floor management requirements with Machine Vision Products, Inc and discover your solution



giving your process direction.

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## Modules and Specifications

### Operations Management

- Control and Monitor Asset Utilisation
- Control and Monitor Overall Equipment Effectiveness (OEE)
- Standardised Metrics for Line, Machine and Manufacturing Supply Chain
- Factory, Line and Machine Level Performance Dashboards
- Process and Product Yield Management
- Real Time Defect Chargeback
- LEAN Shop Floor Work Order Management
- Track and Manages Line Staffing
- Schedule Analysis and Management

### Material Management

- Cradle to Grave Material Traceability
- Multi Level Product Traceability
- LEAN Real-Time Material Inventory
- Automated Material Picking/Kitting
- 'What If?' Order Scheduling
- Placement Setup Verification and Management
- Screen Print Verification and Management
- Integration with ERP/MRP/KANBAN
- Configurable Traceability Resolution

### Equipment Management

- Total Visibility of Process/Equipment Data
- Proactive Process Control Leads Improvement
- SPC Charting and Control
- Real-Time Interaction With Users to Provide Alerts With Corrective Actions
- Collect Data From Multi-Vendor Lines
- Predictive Maintenance Control
- Minimise Process Errors, Defects, Scrap and Attrition

### Reporting/ System Integration

- Report Generation Utilities
- User-Defined Dashboards, Configurable to Suit Your Needs
- Easily Integrated With Internal Systems to Allow Standardised Presentation of Data

### Material Handling

- SMEMA Interface for Non-Invasive Product Flow Control.
- Flexible PLC Control for Product Routing
- Single and Dual Lane
- TotalScan™ Guaranteed Barcode Acquisition
- Fully Integrated Barcode Capture Conyeror for 1D and 2D Barcodes, or RFID.

### Currently Supported Equipment

- IPC CAMX Compliant Equipment
- SECSII/GEM Compliant Equipment
- Proprietary Equipment Interface Emulation (as Required)
- SIPLACE™ S15, S20, S23, S25HM, S27HM, F3, F4, F5, F5HM, HS50, HS60, HF, HF3, CS, X, SX. SIPLACE™ Line Computer SCO UNIX or Linux. SIPLACE™ Pro V1.4, 2.0, 2.1, 3.0 & 3.1, 5.x, 8.x
- Assembléon: FCM, FCM-II, CAMX Platforms (AX201, AX301, AX501, AX3, AX5 etc.)
- Universal Equipment Corporation: GSM / Genesis / AdVantis (UPS & UPS+)
- FUJI Flexa (All equipment)
- Machine Vision Products: AOI, AutoGuide, Solaris and Linux Platforms
- DEK Screen Printers
- MPM Screen Printers
- Generic Screen Print
- Generic ICT and Function Test
- Generic Screen Print

### Operating Systems

- XP Pro, Vista Business, Vista Ultimate, Windows 7 Business, Windows 7 Ultimate,
- SQL Server 2005 or 2008

### Options

- Material 'Licence Plate' Generator Station
- Database Server Supply/Management
- Medical Grade Touch Screen Panel PC's
- Auto configuring barcode terminals