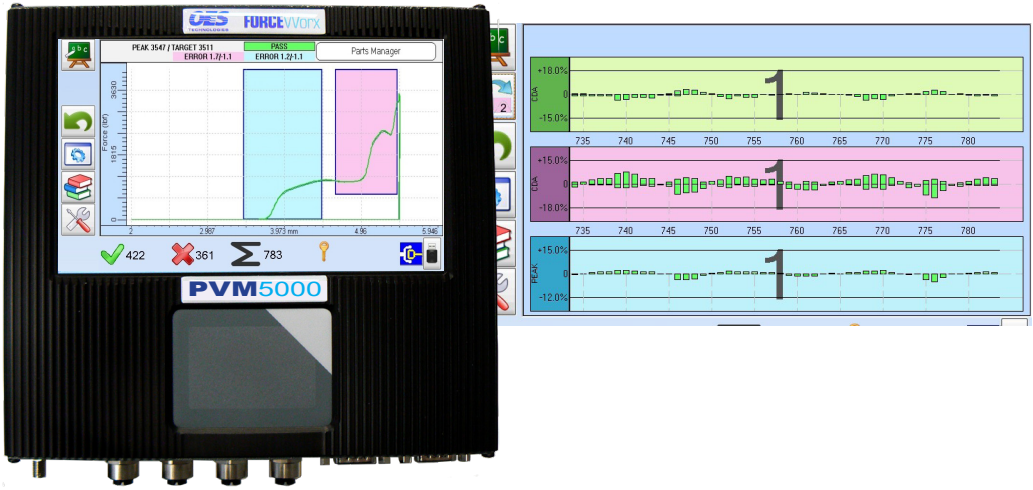
OES TECHNOLOGIES

PVM5000 PROCESS VARIATION MONITOR

For fastening and assembly applications



Dynamic process variation signature analysis for manufacturing, assembly, online processes, or product testing

Quality Issue Prevention

- Monitor every machine production cycle for process variance and detect changes in the process before they become quality issues.
- Advanced signature analysis algorithms combined with the force versus time or position ensure the highest level of discrimination between good and defective products.

Operator Friendly

- Graphically display the process signature profile on a clear and intuitive, full colour touch screen operator interface.

Highlights

- Effective discrimination of process changes combining proven analysis method with the force versus distance option
- Configurable for multi-reference or multi-cycle machines.
- Operator-friendly interface including large color graphic LCD touchscreen.
- Configurable I/O for interface with production machine
- Language configurable
- Network Interface
- Simple installation

Large Data Capacity

- Unlimited storage and recall of part profiles by customer part number.
- The solid-state memory stores years of production data for playback and export.

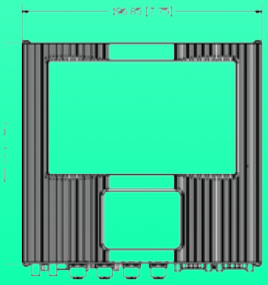
Wide Application Range

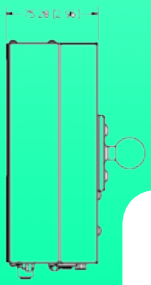
- The PVM5000 is adaptable to many manufacturing machines and processes, and ideally suited for retrofit to plant floor production equipment.
- Compatible with OES's complete series of sensors.

Patents
1998 US Patent No. 5,841,675
2008 US Patent No. 7,333,906 B22014
US Patent Pending

Quick Facts

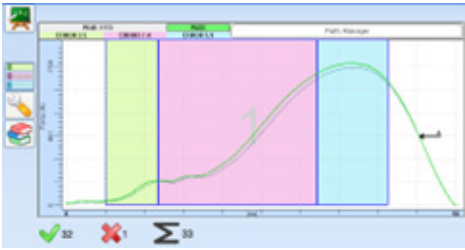
Model	Applications
PVM5100	Any repeatable process can be adapted.
Sensor Options	
Piezo Strain Piezo Force Ring PBT Force Sensor	Digital, 4-20mA, 0-5v, -10 to 10v, others available upon request
Technical Specifications	
Operating Environment	15C to 50C
Supply Voltage	24VDC ext. adapter 100-240 VAC, 50-60Hz, 1.0A
Communications	1 Ethernet RJ45 2 USB 2.0 2 RS232 (Optional)
Digital Inputs	4
Digital Outputs	6
Display	7” Colour touch screen
Mounting	Universal Mounting Bracket
Dimensions	185 x 198 x 70mm 7.28” x 7.80” x 2.75”





OES TECHNOLOGIES

Quality Without Question



Sensors

Strain

Motor Load

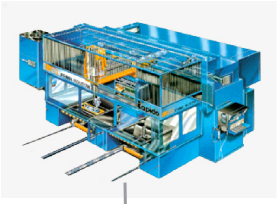
SENFit™

Pressure

Force

Displacement

Machine



PVM5000

FORCEWorx®

ForcePak is powerful graphical user interface software for monitoring the crimping process relative to the crimp process tolerance limit.

Data from each crimp is captured for 100% traceability. Configuration parameters are automatically loaded using the part number selection feature. ForcePak integrates seamlessly with the machine production management software.

About OES Technologies

OES Technologies products and technologies are developed specifically for the wire processing industry to monitor and inspect 100% of parts produced during the manufacturing process and prevent part defects from entering the supply chain. OES's dedication to innovation enables them to deliver a steady stream of cutting edge technologies that meet the exacting demands of this ever changing market.

OES Technologies

4056 Blakie Road
London Ontario,
Canada
N6L 1P7