

**Manufacturers Representative** covering Northern California, Select Southern California, Northern Nevada and Hawaii

**Board and System Products:** SBCs, SSDs, ARM Processors, Rackmount and Boxed Embedded Computers, Chassis & Packaging Solutions, Industrial I/O, 1,10,40,100GB Ethernet Interfaces & Switches, MIL-STD-1553, ARINC-429, Rugged Mil-STD Boards, Displays, Thermal Management Solutions **Standards supported:** AMC, PCI, PCIe, PCI/104+, Compact PCI, Mini-PCIe, PATA, PMC, SATA, SCSI, VME, VPX, XMC, GbE, Serial RS232/RS485, CAN BUS

**ANYLOAD**



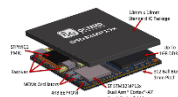
- ❑ Precision Transducers – Force, Torque, Test & Measure
- ❑ Compression Load Cells to measure force up to 500t
- ❑ Custom Transducers/Load Pins with digital output options
- ❑ Multi-Axis Universal Force Transducers/Load Cells used for measuring both tension and/or compression
- ❑ Northern and Southern California

**MEMKOR**



- ❑ Just awarded Fips140-2 validation for their MKD-02 family of Cyber Secure SSDs
- ❑ SSDs for SATA, PCIe, PATA or SCSI Interfaces, from Disk-on-Chip to custom packaging or unique form factors
- ❑ High Capacity BLUE series up to 8TB in a 2.5” form factor, ORANGE for most Defense applications, and BLACK for extreme shock and vibration (Mil-STD-810G standard)

**OCTAVO SYSTEMS**



- ❑ Leading System-In-Package (SiP) Solution Provider
- ❑ New OSD32MP15x a full microprocessor SiP based on the STM32MP15x
- ❑ OSD335x TI Sitara based SiP, ARM Cortex-A8 with up to 1G DDR3 Memory

**POLY RACK**  
TECH-GROUP



- ❑ Dev/Design of Modules, Cases and 19” Rackmount accessories for electronic packaging
- ❑ VME, VPX & CompactPCI Backplanes and Systems including cable assembly
- ❑ Sheet metal, molded plastics and surface treatments
- ❑ Northern and Southern California

**GMS**  
COMPUTING ENGINES



- ❑ SBCs for Military Defense/Homeland Security, Automation and Medical
- ❑ Commercial Solutions – Intel based, Small Form Factor, VPX, VME, CompactPCI
- ❑ Rugged Packaged Computers Custom Product Development, NAS Storage, Servers/Switches and Displays
- ❑ SOSA aligned hardware

**NOVARK**  
TECHNOLOGIES



- ❑ Two-Phase Heat Transfer (fluid flow) with Heat Pipes, Ultra-Thin Heat Pipes, Vapor Chambers and Heat Columns
- ❑ Forced Convection heat dissipation with Interlocking Fin, Folded and Skived Heat Sinks
- ❑ Cold, Tube-Embedded and Vacuum-Brazed Cold plates for liquid-cooled heat dissipation

**Optima • Stantron**

An Elma Company



- ❑ Cabinets, Racks and Accessories
- ❑ Rugged solutions for use in defense, railway, communication and energy applications
- ❑ Modular components for standard and easily tailored solutions
- ❑ Northern and Southern California

**TRU-VU**  
CUSTOMIZABLE INDUSTRIAL MONITORS



- ❑ Standard, custom and private label Industrial and Medical Grade LCD Monitors
- ❑ Industrial-grade components to ensure long-term 24/7/365 performance
- ❑ 8” to 75” for use indoors or outdoors, with or without touchscreen
- ❑ Northern and Southern California

Northern California Chapter



**Sales Engineers:**

East Bay, North East CA **Alan Azumbra:** [alana@eswest.com](mailto:alana@eswest.com)  
 Southern CA, Northern NV **Elliott Boggs:** [elliottb@eswest.com](mailto:elliottb@eswest.com)  
 San Jose, South thru Central CA **Dennis Gagne,** CPMR: [dennisg@eswest.com](mailto:dennisg@eswest.com)  
 East Bay, Hawaii **Glen Kumamoto:** [glenk@eswest.com](mailto:glenk@eswest.com)  
 San Diego Region **Brad Purvis:** [bradp@eswest.com](mailto:bradp@eswest.com)



MEMBER IN GOOD STANDING  
**MANA**  
Manufacturers & Agents  
PROFESSIONAL PARTNERS IN PROFITS

**Test and Measurement:** Environmental, Corrosion and HALT Chambers, Battery Test Systems, Industrial Ovens, Furnaces, ED (Electro-Dynamic) Shakers, Amplifiers, Vibration Controllers and Software, Pressure Calibrators, Controllers and Sensors, Position Measuring Sensor Systems, Load Cells, Accelerometers, Signal Conditioning Equipment, Data Acquisition Systems, AC & DC Programmable Power Supplies and Electronic Loads



- ❑ **Salt Spray Environmental Test Chambers** Standard or Premium (for 2-part cycle) options, 4.2 cu. ft. – 91.8 cu. ft.
- ❑ **Cyclic Corrosion Chambers** with 6 distinct climates, 10.5 cu. ft. – 91.8 cu. ft.
- ❑ **Atmosfar Corrosion Test Chambers** for fully automatic automotive manufacturer's test profiles
- ❑ **Northern and Southern California**



- ❑ **Temperature/Humidity Environmental and HALT/HASS Chambers**
- ❑ Benchtop size to full Walk-in/Drive-in
- ❑ **Thermal Shock** Air-to-Air & Liquid-to-Liquid Chambers
- ❑ Combined Environmental Chamber - Altitude/Vibration/Temperature/Humidity



- ❑ **Piezoelectric Accelerometers and Pressure Sensors**
- ❑ **IEPE Accelerometers & Signal Conditioning Equipment**
- ❑ Vibration testing instrumentation including amplifiers, meters and calibrators
- ❑ Exclusive North American Distributor: Skorchtek



- ❑ **Full Range of Piezo-Resistive Pressure Sensors**
- ❑ Pressure Calibrators and Pumps, including multi-function and HART/Fieldbus Communicator options
- ❑ PACE Pressure Controllers with optional TERPS Technology (Trench Etched Resonant Pressure Sensor for highest accuracy and stability)



- ❑ **Vibration Testing Equipment** with output force from 440 lbf to 77,000 lbf
- ❑ **Slip Tables** from 11.8 in. square for small shakers to 6.6 ft. square for large sized specimen tests
- ❑ **Digital Switching Power Amplifiers**
- ❑ **Technical Services:** calibration, rebuild and repair



- ❑ Bench ovens from 28"x24"x18" to Walk-in ovens to 96"x144"x96"
- ❑ **Lab, Clean Room and Conveyor Ovens**
- ❑ **Inert Atmosphere Ovens** to minimize oxidation of metals
- ❑ Bench, Tempering, Box and Pit Furnaces to 2200°F
- ❑ Technical Services: calibration, rebuild, repair and custom sheet metal fabrication



- ❑ **Freestyle** – Economical DAQ for mobile and harsh environmental applications
- ❑ **Echelon** – rugged, compact DAQ system
- ❑ **Synergy Series** - Portable to rackmount, 8-256 channels, sample rates to 100 MS/S per channel
- ❑ Universal signal conditioning inputs for all common sensors



- ❑ **High Precision Non-Contact Position Sensors** from .002 to 2.5 inches
- ❑ Differential Systems, Extreme Environment and Thread Checker Applications
- ❑ Signal Conditioning Electronics for Linear Displacement Measurement resolution of 0.01% FS



- ❑ **Pacific Power Source AC & DC Output Supplies**
- ❑ **PPS Frequency/Voltage Converters** from 500VA to 625kVA
- ❑ **APS DC Power Supplies** up to 1200VDC and power levels from 1.2kW to 15kW
- ❑ **APS AC and DC Programmable Electronic Loads** from 600W to 60kW and 60V to 1000V



- ❑ **VR10500** 16 to 512 channel vibration controller
- ❑ **VibrationView** applications for Sine, Shock, Random and more
- ❑ **Electrodynamic shakers** from 10 lbf up to 500 lbf
- ❑ **ObserVR1000** 4/16ch Portable Data Acquisition