



## TEST & MEASUREMENT GROUP

8/12/22



### 3SAE

[www.3sae.com](http://www.3sae.com)

Advanced fusion splicing products • Cleavers, fiber strippers, cleaners; fiber optic combiners, lensing, tapering



### Ametek Programmable Power - Amrel, Calif. Instrument, Elgar, PowerTen, Sorensen, Xantrex

[www.programmablepower.com](http://www.programmablepower.com)

Programmable DC & AC Pwr Supplies • Solar Array Simulators • E-Loads • Engineered Power Systems



### Amplifier Research – RF/Microwave, Comtest Engineering, SunAR

[www.arworld.us](http://www.arworld.us)

RF & Microwave Amplifiers • Antennas, Horns, Microwave Horns, E-Field Generators • Field Analyzers/Field Monitoring Conducted/Radiated Immunity Test Sys

**Comtest Engineering:** Semi & Full Anechoic Chambers • Reverberation Chambers • RF Shielded Rooms • Antenna Test Ranges • Chamber upgrades including relining with Polystyrene Absorbers • RF Shielded Doors • Microwave Absorbers

**SunAR:** EMI Positioning Equipment: Turntables • Towers • System Controller • Antennas • Positioners • Reverb Tuners



### Astronics Test - EADS NA Defense, Kinetic Systems, C&H

[www.astronics.com](http://www.astronics.com)

System Switch Elements & Muxes • Bus-based instrumentation (VXI, PCI & PXI) & Digital Test • Integration Services Consoles & Workstations • Data Center Solutions



### dBm

[www.dbmcorp.com](http://www.dbmcorp.com)

Satellite and wireless link emulation; RF frequency converters ;low cost broadband frequency synthesizers



### DVTEST

[www.dvtest.com](http://www.dvtest.com)

RF Test Enclosures • RF Shield Boxes • >90dB Isolation • Engineering & Production • Custom Sizes & Configurations



### Eastern OptX, Inc./NoiseXT

[www.eastern-optx.com](http://www.eastern-optx.com)

High performance Microwave Delay Lines • Altimeter Test Sets • Phase Noise Analyzer



### Formfactor – Cascade Microtech, FRT Metrology, HPD-Online

[www.formfactor.com](http://www.formfactor.com); [www.frtmetrology.com](http://www.frtmetrology.com); [www.hpd-online.com](http://www.hpd-online.com)

RF Microwave, DC, FA & Parametric Probe Stns • RF, Optical & DC Microprobes • Multi-Contact Probes

**FRT:** Manual and Fully automated 3D wafer/surface metrology and inspection tools

**HPD:** High Precision Devices-Research Cryostats, Probe Stations, Dip Probes & Custom Inst. To 4 Kelvin



### Hyperlabs

[www.hyperlabs.com](http://www.hyperlabs.com)

Broadband Components to 110GHz. Baluns • Bias Tees • DC Blocks



### Lecroy (Division of Teledyne)

[www.teledynelcroy.com](http://www.teledynelcroy.com)

High-performance oscilloscopes up to 12 bit A/D & 65GHz BW • High speed serial data analyzers • TDR and Wavepulser S-parameter test; Arbitrary Waveform Generators



### Luna Inc.- General Photonics, Micron Optics, Rio Lasers - OptaSense

[www.generalphotonics.com](http://www.generalphotonics.com); [www.lunainc.com](http://www.lunainc.com); [www.rio-lasers.com](http://www.rio-lasers.com); [www.micronoptics.com](http://www.micronoptics.com)

**General Photonics Products:** Designs & mfgs innovative optical instruments & modules addressing dynamic polarization & timing mgmnt of optical networks, sensor sys, & biomedical diagnostic equipment.

**Luna:** Fiber optic Test & Measurement: Component analyzers, optical backscatter reflectometers, tunable lasers

**Micron Optics:** Fiber Fabry-Perot tunable filters and interferometers

**Rio-Lasers:** PLANEX Ultra Narrow Linewidth low noise tunable lasers; butterfly/integrated



### MacPanel

[www.macpanel.com](http://www.macpanel.com)

Mass Interconnect Solutions for test. Interface Test Adapters, Electronic, RF and optical test interfaces to DUT



### NH Research (Part of NI)

[www.nhresearch.com](http://www.nhresearch.com)

Battery module and pack emulation and test; • AC & DC Electronic Loads • Regenerative DC Load/Source and AC grid simulation • Electric Vehicle Pwr Test



## TEST & MEASUREMENT GROUP



### OptoTest (Part of Santec)

[www.optotest.com](http://www.optotest.com)

Power Meters • LED/Laser Sources • Insertion Loss Meters • Return Loss Meters • Discontinuity Analyzers • Launch Condition Analyzers • High Perf Test & Reference Cables • Polarity Testing



### Orolia/Spectracom

[www.orolia.com](http://www.orolia.com)

Precision Navigation and Timing - Rack mount & rugged; timing and synchronization solutions including M-code , frequency standards and distribution; GPS/GNSS simulators including Skydel simulation engine; jamming and spoofing detection



### Pendulum Instruments

[www.pendulum-instruments.com](http://www.pendulum-instruments.com)

Frequency Counters/Analyzers • Time & Frequency Standards • Frequency Distribution • GNSS Simulators



### Pickering Interfaces

[www.pickeringtest.com](http://www.pickeringtest.com)

High-quality modular signal switching and simulation for use in electronic test and verification for PXI , LXI, USB & PCI applications



### Pulse Research Lab

[www.pulseresearchlab.com](http://www.pulseresearchlab.com)

Coupling & Termination Modules, Differential Line Drivers/Receivers, ECL/PECL Terminators, Fanout Buffers, Logic Level Translators, Long Line Drivers; Custom rack-mounted systems



### Quantifi Photonics (Formerly Coherent Solutions)

[www.coherent-solutions.com/](http://www.coherent-solutions.com/)

Coherent optical receivers/transmitters; tunable lasers; optical switches, VOA, OSA and others in PXI, benchtop and rackmount



TABOR ELECTRONICS

### Tabor Electronics

[www.taborelectronics.com](http://www.taborelectronics.com)

RF, pulse, function & arbitrary waveform generators/transceivers, high-voltage amplifiers, waveform & modulation creation software



inTEST Thermal Solutions  
an inTEST Company

### Temptronic/Sigma Systems (inTEST Company)

[www.intestthermal.com/](http://www.intestthermal.com/)

Thermal Shock • Fast Temp Cycle • Thermal Stress Screening • Test Chambers Temp. Characterization • Temperature Testing • Environmental Chamber Solutions • Thermal Platforms & Controllers



### Transcat

[www.transcat.com](http://www.transcat.com)

Sales & Rental of reconditioned Test & Measurement Equipment • New Equipment & Distribution Sales • Surplus Equipment Purchases • Calibration & repair services



formerly AEROFLEX

### VIAVI Solutions

[www.viavisolutions.com/en-us](http://www.viavisolutions.com/en-us)

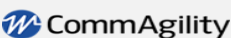
Fiber Optic Tools, Testers, Optical Power Meters, Light Sources, Fiber Optic Inspection and Cleaning, OTDR, MTP MPO Testing



### VTI Instruments

[www.vtiinstruments.com](http://www.vtiinstruments.com)

Data Acquisition for noise/vibration/temperature/strain • Turnkey DAQ software • Modular Instrumentation/LXI/PXI/PXIe/VXI/VME • RF, Microwave & DC/LF switching • RFUIs



### Wireless Telecom Group – Boonton, Comm Agility, Holzworth, Noisecom

[www.wirelesstelecomgroup.com](http://www.wirelesstelecomgroup.com)

**Boonton:** Peak/CW RF Power & Volt Meters • Audio & Modulation Analyzers

**CommAgility:** Embedded Signal Processing • RF Modules • LTE PHY/Stack Software for 4G & 5G

**Holzworth:** UltraSmall Footprint, UltraLow Phase Noise RF Synthesizers; Multi-tone Test Sets • PhaseNoise Test Sets

**Noisecom:** RF Noise Diodes & Components • Pkg Noise Modules • Programmable Noise, GPS Sources • NPR • Testers • EbNO



### Yokogawa Corporation of America

[www.yokogawa.com](http://www.yokogawa.com)

Power Meter & Analyzer • Digital Storage Oscilloscopes • I2C CAN Bus & SPI Analysis • Time Interval Analyzer • Data Acquisition • Function Generators • Recorders • Custom Sys • Optical Test & Measurement • Universal Timer/Couplers



## EMBEDDED SYSTEMS GROUP

8/12/22



### AIM-USA, LLC

[www.aim-online.com](http://www.aim-online.com)

Avionics Test & Simulation Products for MIL-STD-1553, STANAG3910/ EFEX, ARINC429, AFDX/ ARINC664P7, PANAVIA Serial Link, Fibre Channel & MIL-STD-1760 applications.



### Concurrent Technologies

[www.gocct.com](http://www.gocct.com)

Long life cycle high performance computer & switched fabric modules in AMC, 6U/3U CompactPCI, OpenVPX, PMC/XMC, & VME/ VXS form factors for critical commercial & military applications.



### Emcor Enclosures

[www.emcorenclosures.com](http://www.emcorenclosures.com)

Modular Enclosure Systems including 19 & 24" Electronic Racks, Seismic & EMI/RFI Cabinets, Application Specific Consoles & Workstations, plus Data Center Solutions.



### Gigatronics

[www.gigatronics.com](http://www.gigatronics.com)

Real-Time Synthesizers • Legacy Synthesizers & Services • RF Radar Simulator products • Broad & Up/Down /converters



### I2R Electronics

[www.i2relectronics.com](http://www.i2relectronics.com)

Integrated RF & microwave assemblies, modules & components. Performance goals stress achieving optimum size, weight & power (SWaP) at the targeted cost through custom design, vertical integration, automated assembly & rigorous test processes.



### Mercury – previously Pentek

[www.mercury.com](http://www.mercury.com)

RF Signal Generations, High speed Analog & Digital I/O modules & recording systems, software radio & data acquisition applications, High Speed digital & analog interfaces & RFSoc, FPGAs in AMC, XMC, FMC, PMC, cPCI, PCIe, & VPX form factors suitable for both COTS & rugged environments.



### MilPower Source

[www.milpower.com](http://www.milpower.com)

COTS, MOTS and Custom Power Solutions • Inverters • Power Distribution Units • 3U and 6U VPX VITA 62/SOSA Aligned Power Supplies • Rugged Uninterruptable Power Supplies (UPS) • Ruggedized managed & Unmanaged Military-Grade Ethernet Switches & Routers • C41SR & Battlefield Communications • Aerial, Ground, UAV, Solider-Carry Applications



### New Wave Design & Verification

[www.newwavedv.com](http://www.newwavedv.com)

High-Performance Digital Interface & FPGA Coprocessor modules for Real-time streaming, cyber security monitoring, & record & Playback Systems • IP Cores for 1394B, Ethernet, Fiber Channel, ARINC 818 & More • PCIe & XMC cards for Real Time 10/25/40/100G Ethernet, 1394B & EPON



### Protex Solutions LLC, USA

[www.protexfoam.com](http://www.protexfoam.com)

Custom, high-quality foam inserts for all professional applications



### Safran Data Systems

[www.safrandatasystems.com](http://www.safrandatasystems.com)

Flight Test Instrumentation, Data Acquisition and Recorders. Mission Recorders and Servers. Avionic & Mission Systems hardware. Telemetry Transmitters, Receivers and Antennas, Launcher (Missile Testing) & Satellite Connectivity solutions.



### Trenton Systems

[www.trentonsystems.com](http://www.trentonsystems.com)

High-performance computing capabilities into hardware systems deployable at the edge for those with distinct development requirements & challenges spanning hardware, software, connectivity, platform integrations, & security.



## EMBEDDED SYSTEMS GROUP



### Wolf Advanced Technology

[www.wolf.ca](http://www.wolf.ca)

Rugged video graphics modules for capture, process, display, & AI inference. Solutions operate in harsh aerospace & defense environments using the high-speed processing available from advanced NVIDIA & AMD GPUs. Products include COTS, MCOTS or full custom designs, using VPX, XMC & MXM/MXC architectures.



### Zero Manufacturing

[www.zerocases.com](http://www.zerocases.com)

Deep-drawn & fabricated aluminum & molded plastic cases, enclosures & assemblies for the defense, aerospace, industrial, medical, electronics & telecommunications markets.

## RF/MICROWAVE & PHOTONICS COMPONENTS



### Emcore/Ortel

[www.emcore.com](http://www.emcore.com)

Fiber Optic Delay Lines • EDFA's • Custom system packaging • Photo Detectors • Laser Diodes • External cavity lasers • Transceivers • Passive Components • E/O & O/E, RF Analog Links



### Microwave Town

[www.microwavetown.com](http://www.microwavetown.com)

Waveguide components, coax adapters & antennas from DC to 110 GHz



### NoiseCOM (Wireless Telecom Group Company)

[www.noisecom.com](http://www.noisecom.com)

RF Noise Diodes & Components • Package noise modules • Programmable Noise Sources



### Storm (Division of Teledyne)

[www.teledynedefenseelectronics.com/stormmicrowave](http://www.teledynedefenseelectronics.com/stormmicrowave)

RF & Microwave cables & cable assemblies through 110GHz • Flexible & semi-rigid, low loss, phase/temp-stable, & miniaturized versions, Ruggedized & armor options.



### Teraxion

[www.teraxion.com](http://www.teraxion.com)

Narrow line width lasers • Frequency Stabilized Lasers • Master / Slave Lasers • Dispersion compensators • Fiber Bragg Gratings • Tunable dispersion compensation stimulation units



### Territory Coverage

California  
Nevada  
Hawaii

[www.warddavis.com](http://www.warddavis.com)

### Southern California Office (Headquarters)

2623 Manhattan Beach Blvd.  
Redondo Beach, CA 90278  
(310) 643-6977  
(310) 643-6035 FAX

### Northern California Office

1155 North First Street, Suite 205  
San Jose, CA 95112  
(408) 213-1090  
(408) 213-1091 FAX