

## Optical/Comms Test & Measurement



- Optical/Protocol Transport Test (400G)
- CFP/CFP2/CFP4/QSFP+/QSFP28 Stress Test
- Optical Switching, Mfg. Lab Test
- Optical Field Test
- Fiber inspection and test



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

- Optical spectrum analyzers / 350nm-3.4um
- Wavelength meter
- Multi Application Test System (MATS) – Grid Tunable Laser, LD, Optical Switches, VOA, Optical Sensor
- OTDR, OTLS



- WaveShaper Family of Products (1ch – 16ch, C/L band)
- WaveAnalyzer – high resolution spectrum analyzer
- WaveShaper 1000/SP 1µm Programmable Single-Polarization Filter
- Ultraspan high-performance Optical Amplifiers
- LightSmyth Pulse-Compression Gratings



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

- Optical Vector Analyzer (OVA)
- High Resolution Backscatter Reflectometers (OBR)
- Tunable Lasers (Instrument and components)



[www.bristol-inst.com](http://www.bristol-inst.com)

- Wavelength Meters – fastest on the market
- Laser Spectrum Analyzers



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

- Optical Cross Connect Switches, non-blocking
- Compact form factor, SM and MM
- 4x4 up to 384x384 matrices available



- Fiber Lasers – CW and Pulsed: Green, 1064nm, 1550nm and 2000nm
- Amplifiers – CW and Pulsed: 1064nm, C&L Band (SM, PM), 2000nm
- Broadband Sources – 1064nm, ASE, Raman, 2000nm



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

- Polarization Controllers, Scramblers and Analyzers
- PMD & PDL generators and emulators
- OCT modules and components (MDL, PD, Couplers etc.)
- OFDR-1000 Hi-Resolution Reflectometer



- Optical Multi-Format Transmitter & Automatic Mach Zehnder BIAS Control
- Tunable lasers for C, L, C+L bands with narrow line widths
- Polarization maintaining multiplexer
- Optical DWDM decorrelator for XPolM and Coherent systems testing
- Low Cost Optical Spectrum Analyzer



- High resolution optical spectrum analyzer 10 MHz & dynamic range > 80 dB, C, C+L, L Band
- Option 230 – Measure spectrally-resolved state of polarization
- BOSA Lite with 20 MHz & > 80 dB dynamic range



- Tunable chromatic dispersion emulator, compensator
- Chromatic Dispersion Emulator (up to 45,000 ps/nm)
- Narrow line width tunable laser (<1 kHz)



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

- Layer 2-3 Gigabit Ethernet traffic generation
- Covers rates from 1GE up to 100GE, supports CFP4, QSFP28, QSFP+, CXP
- Gigabit TCP testing platform

Turn for more solutions...

## Components

### FINISAR



- 100 GHz packaged photodiodes (Photodetectors)
- Combined with integrated TIA (Photoreceivers)
- Coverage both optical windows: 1310 nm and 1550 nm

### eagleyard photonics



- High-power laser diodes
- Wavelengths range 630 nm to 1120 nm
- Broad Area Laser, Tapered Laser, Ridge Waveguide Laser/Fabry Perot Laser, DFB/DBR Laser

### LUMENTUM

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

- Pump laser 980nm and 14xx Raman
- VOA
- MOMEX switch
- Photo detectors and receivers
- Isolator arrays

### monocrom



- Laser Diode Modules
- Laser Bar Assemblies
- Diode Pumped Solid State Lasers
- Laser Electronics

### Sercalo microtechnology ltd



- Optical MEMS switches and VOAs
- Switches: SM, MM, 1xN and MxN
- 2-D Galvanometers
- Rackmount, benchtop and component



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

- RF-over-Fiber Experts
- 50 GHz Analog Fiber Optic Links
- Antenna Remoting

### kYLia



- Delay Lines Interferometers
- 90° optical hybrids, Variable Optical Delay Line
- DWDM and Modal Mux/Demux
- Optical Switches. Custom optical assembly

### Gooch & Housego

ENABLING PHOTONIC TECHNOLOGIES



- Fiber-Q™ Modulators and Drivers
- DFB Lasers and Modules
- Fiber Coupled Pump Laser
- Fused Fiber Optic Components

### optoscribe



- FCX – Fiber coupled InterconneX
- 3D Optofan Series
- 3D MMux Photonic Lantern



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

- >100 GHz Phase Modulator
- High-power Photo-diode to 40 GHz
- Custom integrated millimeter-wave modules

## Services

### Electro Rent Corporation

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

- Equipment rentals and used equipment sales
- Viavi rental and lease partner



Communication Components, Equipment and Services

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

- A Small Woman Owned Business Offering Distribution, Import and Reselling services
- Distributor for Finisar, ID Photonics, Aragon, Teraxion, eagleyard, monocrom, Sercalo, Kylia, Introspect, Pico, Optoscribe, Viavi handhelds and inspection equipment, Teledyne LeCroy and G&H

## Digital, Electrical & RF/ $\mu$ wave Test



- SerDes Tester and BERT Functions, Pattern Generator Functions - 8 or 32 lanes, up to 28 Gbps, handheld form-factor, USB Controlled, Software-Defined
- Transport testing according to SATA, USB 3.0, MIPI M-PHY/D-PHY/C-PHY
- MIPI DSI-2 Protocol Analyzer



- Modular electrical BERT Platform 2G - 28G (Quad)
- Clock Sources, Pattern Generators, Error Detectors, Clock Recovery, O/E, VOA and OPM
- OIF and IEEE Stress Receiver test with their DJ/RJ/VEC Stress Generator module



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

- Leader in PXI and LXI switching solutions from DC-Light
- Resistor cards and Battery Simulators
- PCI switch solutions



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

- Expert in Boundary Scan Test and Programming solutions
- 1149.1 and 1149.6 analog support
- PXI, Ethernet and USB Controllers



- USB Oscilloscopes up to 20 GHz
- Low-cost and high-performance solutions



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

- QuickSyn RF Signal Generators 10-20GHz (OEM modules)
- mmW Synthesizer Modules - 27 to 40 GHz, 50 to 67 GHz, and 76 to 82 GHz
- Fast switching and Low Phase Noise



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

- Real-time RF Spectrum Record and Playback solutions
- Record DC-40GHz with up to 6GHz instantaneous BW
- Works in conjunction with Keysight, Tektronix or R&S



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

- Low cost USB RF Synthesizers, Attenuators and Switches
- 50MHz to 20GHz
- GUI provided and Remote controllable



[www.ladybug-tech.com](http://www.ladybug-tech.com)

- USB RF Power Sensors (CW, Pulsed)
- 9 kHz to 40 GHz
- Fast (2,000 rdgs/sec), no-zero, no-cal