

BIOS EXPO new products debuting

Andover Corp. Booth #8500

New Product: Light Sources and Accessories



500-1000W Light Sources: Mercury, Xenon, Halogen, Deuterium, Halogen and IR. 500-1000W.

ASI / Applied Scientific Instrumentation Booth #8735

New Product: CRISP Auto Focus System



Maintain focus at the nm level over time & while scanning samples.

AUREA Technology Booth #8207

New Product: SPD_B: AUREA short-NIR wavelengths high-performance single photon counter.



SPD_B is an ultra-low-noise and high QE single photon counter for BIO.

B&W Tek, Inc. Booth #8401

New Product: NanoRam™



Sensitive and repeatable handheld Raman spectrometer for material identification/verification.

Becker & Hickl GmbH Booth #8330

New Product: DCS-120 MACRO



Confocal fast scanning FLIM system with 15 mm scan field.

BWT Beijing Ltd. Booth #8913

New Product: 793nm 2.5W~12W Pumping Source



105µm/0.22NA Fiber for Tm doped Fiber laser pump.

Calmar Laser, Inc. Booth #8218

New Product: Cazadero High Pulse Energy Femtosecond Fiber Laser



Cazadero fiber laser CPA 1030nm, 20µj, 500fs, tunable repetition rate.

Cambridge Technology Booth #8701

New Product: High speed Resonant Scanner Set



Scanning set for microscope applications. New "1/8th size driver. 4-12kHz scan rate.

Changchun New Industries Optoelectronics Tech.Co., Ltd. Booth #8307

New Product: Single Longitudinal Mode 561nm Laser



Compact dimension, perfect beam quality, longer lifetime.

Cobolt AB Booth #8632

New Product: High performance diode laser modules & DPSS laser 561nm 500mW



High performance diode laser modules, 405-640nm, completing portfolio. Power scaling 05-01nm, 500mW.

CVI Melles Griot Booth #8426

New Product: Monolithic Light Engine



Multi-line output 405nm to 640nm with pointing < 5 microrads/C.

DiCon Fiberoptics Booth #8731

New Product: MEMS Biomedical Optical Switch



Optical switches for biomedical applications such as Diffuse Optical Tomography.

New Product: Fluorescence Microscope Illuminator



Fluorescence Microscope LED-Illuminator with Customizable Wavelengths for all scope platforms.

Electro Optical Components Booth #8404

New Product: MY-133



MY Polymers coating with refractive index of water (1.33) for bio-photonic applications.

Headwall Photonics, Inc.

Booth #8903

New Products: Hyperspec RECON Handheld Imaging Sensor



New handheld Hyperspec RECON imaging sensor for remote sensing.

Honeywell Safety Product formerly Sperian Protection

Booth #8300

New Product: Honeywell Rome Frame



New Honeywell Rome Frame for all of today's lasers.

Horiba Scientific Booth #8200

New Product: Mini-CCT+



Miniature Raman OEM Spectrometer with high sensitivity VIS-NIR CCD.

New Product: VS-7000+



Mini-Spectrometer (UV-VIS-NIR) with high dynamic range back-illuminated CCD. Targets OEM applications.

New Product: Xplora INV



Xplora INV – Inverted Raman Microscope for life science spectroscopy and imaging.

ID Quantique Booth #8330

New Product: id220 Negative Feedback InGaAs/InP APD photon counting module.



Free-running photon counter with very low dark count rate.

IMM Photonics GmbH Booth #8404

New Product: Wavelength-Stabilized Laser Diode Modules for Biophotonic Applications



IMM-Modules used in laser confocal microscopy, flow cytometers, with DNA sequencers and with FRET.

Innovative Photonic Solutions Booth #8509

New Product: High Performance OEM Raman Spectroscopy Engine



Fully integrated laser, probe and spectrometer for Raman Spectroscopy.

InPhenix, Inc. Booth #8625

New Product: Semiconductor Optical Amplifier



850nm/1050nm/1300nm swept light source; wavelength repetition rate 100KHz over 100nm

New Product: Swept Light Source



880nm/1050nm SOA swept light source; wavelength repetition rate 100KHz over 100nm.

Laser-compact Co. Ltd. Booth #8827

New Product: SLM-series green and IR DPSS lasers (SLM-417, SLM-427)



All-in-one, single-frequency, low-noise lasers with possibility of power adjustment.

BIOS EXPO

LightSmyth Technologies Booth #8636

New Product: Hyperspectral Transmission Diffraction Grating



270 grooves/mm high efficiency low cost visible range transmission grating.

LIMO Lissotschenko

Mikrooptik GmbH Booth #8319

New Product: L-Mount with replaceable window function



L-Mount laser with replaceable window protects the actual fixed window from damage & easy replaceability is possible.

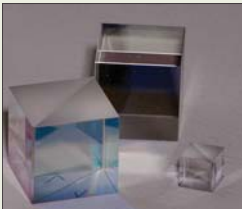
Meadowlark Optics, Inc. Booth #8410

New Product: Polymer Film Retarder



130 μ m thin polymer retarder can be customized in retardance, shape, size. AR coatings available.

New Product: Very Broadband Beamsplitter Cube



Wire Grid based polarizing beamsplitter cube provides extremely broadband performance.

Micro Laser Systems,

Inc. Booth #8825

New Product: Fermion III Fiber Coupled Lasers



Turnkey Fiber Coupled Lasers, 375-1064nm, 0.1- 5 Watts.

nPoint, Inc. Booth #8505

New Product: NPBio XYZ Stages



Stages for microscopy with ranges from 100 μ m to 300 μ m.

OFS Fitel Booth #8302

New Product: Medical Grade Composite Cables and Assemblies



Metal and optical channels—power and data—in one package.

Optikos Corp. Booth #8235

New Product: LensCheck™ LWIR Lens Measurement Instrument



A unique, cost-effective solution to your infrared lens qualification needs.

Optoelectronic Components/ Micro Photon Devices

Booth #8733

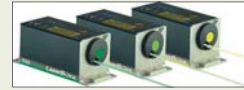
New Product: PDM-R



Photon counting detector module with high efficiency and <100ps timing resolution.

OXXIUS SA Booth #8413

New Product: LaserBoxx



Oxxius introduces the 532, 553 and 561nm high power DPSS lasers on industry standard package of 100x40x40mm size. Available powers are from 25mW up to 500mW.

Photon etc. Booth #8405

New Product: Raman Hyperspectral Imager RIMA



High-end Raman global imaging hyperspectral platform.

Photon Technology

International Booth #8305

New Product: EasyRatioPro HD



High Definition Fluorescence Imaging System

Power Technology, Inc. Booth #8919

New Product: CK Laser Module



CK Instrument Quality Laser Module with On-Board Microprocessor, 375-785nm, 1-100mW.

Raptor Photonics Booth #8631

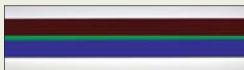
New Product: Osprey Scientific CMOS



4.2 MP cooled Scientific CMOS, 7 σ -noise, 12 bit, 37.5Hz.

Reynard Corp. Booth #8512

New Product: Gapless Photolithography



Multiple filter coatings with no gap and overlap between filters.

SCANLAB America, Inc. Booth #8726

New Product: dynAXIS[®]f Galvanometer Scanners



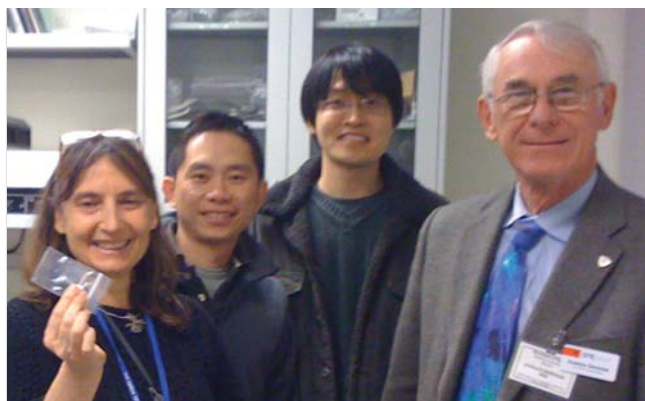
dynAXIS[®]f – low-drift, wide-angle galvo series for 6–30 mm aperture.

World Star Tech Booth #8806

New Product: "Compact RS-232/USB Laser with LCD Display and Programmability"



COMPACT RS-232 laser is designed with integrated laser & electronics in a single box.



SPIE Membership

A long-term investment that pays off

Join or renew your SPIE Membership

and receive 10 SPIE Digital Library downloads, and 1 complimentary online course.

1-year-\$105 | 3-years-\$297 | Lifetime-\$995

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help@spie.org
+1 360 676 3290
Fax: +1 360 647 1445



Photonics West

new products

AdValue Photonics Booth #931

New Product: High Power 2 Micron Mode-Locked Fiber Laser



10kW peak power, 35nJ pulse energy, picosecond pulses, single-mode output.

New Product: High Power 2 Micron Q-Switched Fiber Laser



200μJ pulse energy, 10kW peak power, nanosecond pulses, single-mode output.

Advanced Fiber Resources (Hongkong), Ltd. Booth #4116

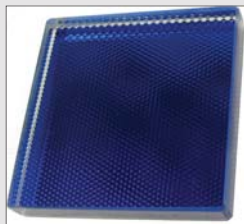
New Product: Unidirectional Integrated Tap Power Detector



It applies for channel power monitoring in DWDM system, in-line optical network switching protection monitoring (OLP), re-configurable optical add/drop multiplexer (OADM), and gain/attenuation monitoring in EDFA, etc.

Advanced Microoptic Systems GmbH Booth #2309

New Product: Monolithic microlens array with pinholes on the back side



MLA thickness up to 8mm, pinhole size down to 5μm, lithographic alignment preciseness of lens/pinhole optical axis.

ALIO Industries Booth #2035

New Product: 6-D TrueNano™ Motion System



Evolutionary Six-Axis Motion System for the TrueNano™ World.

AllMotion, Inc. Booth #4945

New Product: Servo Stick



Servo Stick Fully intelligent servo motor driver+controller, housed in a USB Stick.

Andover Corp. Booth #500

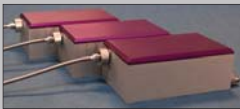
New Product: 10.6μm Bandpass Filters



Custom bandpass filters in the 10.6μm range.

Apollo Instruments, Inc. Booth #405

New Product: High-Power, High-Brightness Fiber-Coupled Laser Diode Modules



250W/0.1mm fiber and 1kW/0.2mm fiber. Application: Material Processing, DPSSL and more!

Arbor Photonics, Inc. Booth #210

New Product: HiPERAmp



50W HiPERAmp 3C-based fiber amplifier for polarized, single-mode pulsed lasers.

Archer OpTx, Inc. Booth #3014

New Product: P4002-370



New PerfectLens™ P4002-370 collimator and SIVA 10MP imaging lens.

ARCOptix S.A. Booth #3064

New Product: FTIR-Rocket NIR Spectrometer



Compact cost effective fibered FTIR spectrometer with 4cm⁻¹ resolution.

Argus International, Ltd. Booth #4414

New Product: Bi-Convex Asphere Lens – UV Grade Fused Silica



High-precision aspheric lens – effective in eliminations of spherical aberrations.

Arjae Spectral Enterprises, Inc. Booth #4443

New Product: High resolution, high throughput spectrometer



Spectrometer that eliminates the classic tradeoff between resolution and throughput.

Asahi Spectra USA Inc. Booth #2625

New Product: Monochromatic illuminator



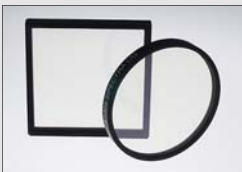
Monochromatic illuminator for sensor measurement

New Product: Solar simulator for CPV



Solar simulator for concentrator solar cell

New Product: UV & IR Optical filters.



UV high transmission bandpass filters - 254nm, 365nm. IR bandpass filter for gas analysis - 3460nm

B&W Tek, Inc. Booth #401

New Product: NanoRam™

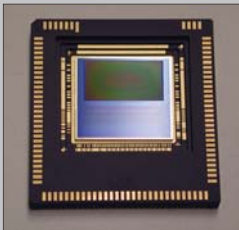


Sensitive and repeatable handheld Raman spectrometer for material identification/verification.

BAE Systems Imaging Solutions Booth #4727

Formerly Fairchild Imaging

New Product: Fairchild Imaging CIS1021 sCMOS Sensor



New 2.1MP/HD format sCMOS high sensitivity sensor, monochrome or color.

Berliner Glas KGaA Herbert Kubatz GmbH & Co. Booth #2228

New Product: Electronics design development and manufacturing



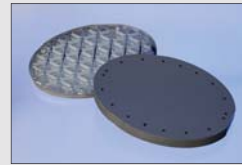
OEM electronics design development and manufacturing for medical applications at Berliner Glas.

New Product: Coating Competencies expanded



Broadband monitoring allows production of highly sophisticated optical layers for fluorescence applications.

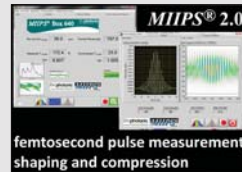
New Product: Anodic Bonding



Adhesive free, high rigidity, extremely stable, flatness 15 nm rms, high imaging quality.

BioPhotonic Solutions, Inc. Booth #5109

New Product: MIIPS® 2.0



femtosecond pulse measurement, shaping and compression

MIIPS®2.0 for automated pulse characterization, compression, interferometric autocorrelation and shaping.

Bridger Photonics, Inc. Booth #5215

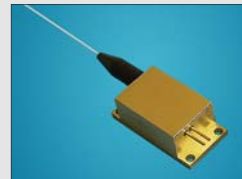
New Product: MIR Laser



Compact pulsed mid-IR laser, 1.4-5.0 microns, >1mJ, no water cooling.

BWT Beijing Ltd. Booth #913

New Product: High Brightness 976nm 9W Wavelength Stabilized Pump



9W, 0.5nm spectrum width ideal for fiber laser pump.

New Product: High Brightness 976nm 25W Wavelength Stabilized Pump



25W, 0.5nm spectrum width ideal for fiber laser pump.

Calmar Laser, Inc. Booth #8218

New Product: Cazadero High Pulse Energy Femtosecond Fiber Laser



Cazadero fiber laser CPA 1030nm, 20µj, 500fs, tunable repetition rate.

Cambridge Technology, Inc. Booth #1801

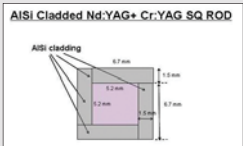
New Product: Enclosed 2-Axis Scanning System



New fully enclosed 50mm 3-Axis scanning system for large FOV applications.

CLaser Photonics Inc. Booth #5230

New Product: AISi Cladded Bonding Crystal



Laser crystal with AISi cladding, to improve much of thermal conductivity. We can make the assembled crystals with Nd:YAG, Nd:YAG+Cr:YAG, Nd:YVO₄ crystals. We hope this design will improve our laser system.

Cobolt AB Booth #1500

New Product: High performance diode laser modules & DPSS 561 nm 500 mW



High performance diode laser modules, 405-640 nm, completing portfolio. Power scaling 05-01 561nm 500mW.

CVI Melles Griot Booth #4801

New Product: Large Optics for Ultra Fast Applications



Customer and standard offerings up to 18" diameter.

DataRay Inc. Booth #2300

New Product: BeamMap2-PY



Beam Profiling and M-Squared continuously from UV to 10 µm. The BeamMap2 is now available with a Pyroelectric detector Measure, divergence, and Beam Profiling. Resolution to 1.0 microns!

Deposition Sciences, Inc. Booth #402

New Product: Long Wavelength Infrared (IR) Thin Film Coatings



DSI's MicroDyn[®] Sputtering Deposition Provides Long Wavelength Infrared Optical Coatings.

DiCon Fiberoptics, Inc. Booth #729

New Product: Fluorescence Microscope Illuminator



Fluorescence Microscope LED-Illuminator with Customizable Wavelengths for all scope platforms.

New Product: MEMS Biomedical Optical Switch



Optical switches for biomedical applications such as Diffuse Optical Tomography.

DPSS Lasers, Inc. Booth #1540

New Product: Samurai UV Marking System



UV (355nm) marking, micro-machining system for consumer, pharmaceutical, industrial applications.

eagleyard Photonics GmbH Booth #1500

New Product: Tempered Amplifier Diodes at 640, 650, 660, and 670 nm now



eagleyard expands its Tempered Amplifier family by adding more wavelengths.

EKSMA Optics Booth #1031

New Product: DKDP and BBO Pockels Cells



Compact Design, reliable Pockels cells with high contrast ratio.

Electro Optical Components Inc. Booth #4821

New Product: Mid-IR LED's & Photodiodes



IBSG introduces a range of Mid-IR LED's and Photodiodes from 1.6µm to 4.8µm.

Element Six Technologies US Corp. Booth #4932

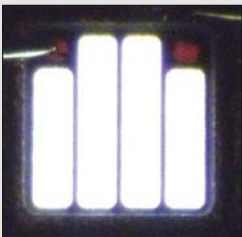
New Product: CVD Single Crystal Diamond



CVD Single Crystal Diamond for cooling of intra-cavity laser crystals.

Epitex Inc. / Marubeni America Corp. Booth #3048

New Product: High Power UV LED Chip (365 – 375 nm)



Epitex UV LED chip outputs 1 W at 365 nm.

FEMTO Messtechnik GmbH Booth #4821

New Product: DDPKA-300



Sub-Femtoampere Current Amplifier DDPKA-300, variable gain 1E4 to 1E13 V/A

Fiberpro USA Booth #4631

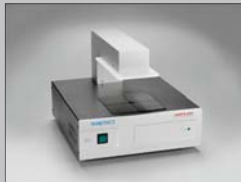
New Product: Optical Wafer Thickness Microgauge (OWTM)



OWTM measures Thickness, Bow/Warp and TTV of Wafer, Glass, etc.

Filmetrics, Inc. Booth #5526

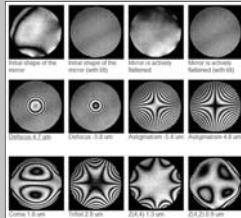
New Product: PARTS-EXR



Model free measurement of thickness, n, and k of single-layer films.

Flexible Optical B.V. Booth #6036

New Product: Deformable mirror



Deformable mirror directly controlled by Zernike coefficients.

Foctek Photonics, Inc. Booth #4527

New Product: Lens Assemblies, Optical & Mechanical Assemblies



Lens Assemblies, Optical & Mechanical Assemblies. Custom-made, OEM, ODM, Design Service.

Frankfurt Laser Co. Booth #600

New Product: HQML 3 Askion Laser Diode Module



FLC introduce HQML 3 high performance laser diode module.

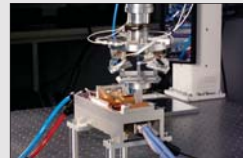
New Product: Mid IR LEDs



FLC introduce a new line of Mid IR LEDs which are ideally suited for use in gas measurement.

Fraunhofer Institute for Production Technology IPT Booth #4601

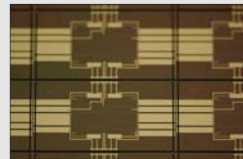
New Product: Commander6 Assembly Cell



Flexible Assembly cell with high-precision micromanipulator (Commander6) for laser optics assembly.

Fraunhofer IPMS Booth #4417

New Product: Electro-optical liquid crystal multiplexer



Next-generation switching and multiplexing through our on-chip electro-optical liquid crystal multiplexer.

Photonics West

Genia Photonics Inc. Booth #4401

New Product: Picosecond Tunable MOPA



Versatile Picosecond MOPA Tunable in Wavelength and Pulse Width.

Gentec Electro-Optics, Inc.

Booth #4909

New Product: HP60A-10KW-GD



Measure up to 10 kW with very small beams.

New Product: UP55N-VR



Measure power of highly energetic pulsed lasers with large beams.

New Product: FLASH-500-55-W-IPL



Handheld IPL Probe with Quartz window for gel-coupled handpieces.

Gigaoptics GmbH Booth #2610

New Product: TACCOR



Turn-key femtosecond laser with 1GHz repetition rate, up to 1.5W output.

HC Photonics Corp. Booth #404

New Product: fs-SHG Mixer



Plug & Plug, high efficiency PPXX mixers for fs lasers.

Headwall Photonics, Inc. Booth #903

New Products: Hyperspec RECON Handheld Imaging Sensor



New handheld Hyperspec RECON imaging sensor for remote sensing.

Helioworks, Inc. Booth #330

New Product: High Power Infrared Source, Model EP-4317



Compact High Power Density 10 Watt Infrared Source in To-8.

HighFinesse GmbH Booth #3066

New Product: TS:fast



TS:fast for broad and fast wavelength-scanning in spectroscopy / OCT.

Honeywell Safety Product

formerly Sperian Protection Booth #300

New Product: Honeywell Rome Frame



New Honeywell Rome Frame for all of today's lasers.

HORIBA Jobin Yvon Inc. Booth #4104

New Product: Mini-CCT+



Miniature Raman OEM Spectrometer with high sensitivity VIS-NIR CCD.

New Product: VS-7000+



Mini-Spectrometer (UV-VIS-NIR) with high dynamic range back-illuminated CCD. Targets OEM applications.

id Quantique SA Booth #330

New Product: id210 Advanced system for single photon detection



High speed infrared photon counter up to 100MHz, also working in free-running mode.

New Product: id220 Negative Feedback InGaAs/InP APD photon counting module.



Free-running photon counter with very low dark count rate.

ILX Lightwave Corp. Booth #2600

New Product: LDT-5910C 32W Thermoelectric Temperature Controller



32W Temperature controller with intuitive operation, unmatched performance and value.

Imagine Optic / Axiom Optics Booth #4534

New Product: LASERDEC CO₂ LASER BEAM PROFILE



Easy, Fast Imaging and Characterization of CO₂ Laser Beams.

IMM Photonics GmbH Booth # 4601, 4821

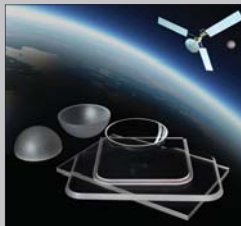
New Product: Wavelength-Stabilized Laser Diode Modules for Biophotonic Applications



IMM-Modules used in laser confocal microscopy, flow cytometers, DNA sequencers.

IMPEX High-Tech GmbH Booth #5041

New Product: Sapphire Components



Large area sapphire components with high precision surface finish.

IMRA America, Inc. Booth #604

New Product: Dual-Wavelength Femtolite HX-150 Femtosecond Fiber Laser



Continuous power adjustment between 810nm (max.150mW) and 1620nm (max. 200mW).

Industrial Technology Research Institute Booth #5102

New Product: Mode-locked fiber laser comb



The highest repetition rate mode locked fiber laser comb on the market.

InnoLight GmbH Booth #4531

New Product: MEPHISTO MOPA 55W IR AND 10W VIS



AtomicTraps, Ti:Sapphire pumping; Ultra-Stable single-frequency CW laser with highest output power in its class.

Innovative Photonic Solutions Booth #509

New Product: 638 nm Wavelength Stabilized, Single Frequency HeNe Laser Replacement



High Reliability Diode Laser for Metrology & Raman Spectroscopy

InPhenix, Inc. Booth #2604

New Product: Semiconductor Optical Amplifier



880nm/1050nm SOA Semiconductor Optical Amplifier, Wide Band, High Gain

Photonics West

International Light Technologies

Booth #831, 5433

New Product: A803 Multiplexer/Datalogger Accessory for ILT1700 Radiometer

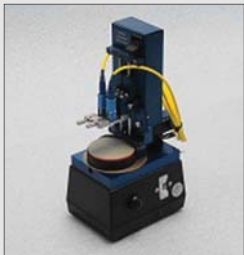


Converts ILT1700 Radiometer into multi-input datalogging radiometer for 8 detectors.

Krell Technologies

Booth #4100

New Product: Rev 2 Micro Polisher



Automated micro-polisher for processing optical connectors and bare fibers.

Kugler of America Ltd.

Booth #310

New Product: Kugler RT – Rotary Table family / RT 264



Kugler air-bearing rotary table 0, 1 arc sec for micro machining.

Lambda Research Corp.

Booth #1010

New Product: TracePro. 7.1



TracePro 7.1 now includes 3D irradiance plots for system visualization.

Lambert Instruments BV

Booth #4534

New Product: HiCATT full control intensifier



HiCATT intensified high speed camera attachment features programmable gating down to 3ns

Lasence Inc.

Booth #6034

New Product: G532005-8-1.7-(-30-50)



G532005-8-1.7-(-30-50): DIA8 Wide Temperature Range (-30 to 50°C) Green Laser Module.

Laser-compact Co. Ltd.

Booth #827

New Product: High-stable DPSS CW green and IR lasers: DTL-413 and DTL-423



Low-noise lasers with power adjustment: 1.5 W@527 nm and 2.5W@1053 nm.

Laser Components USA, Inc.

Booth #517

New Product: COUNTblue - Blue Enhanced Single Photon Counting Module



<20 Dark Counts and >60% Detection Efficiency at 405nm.

Laser-Export Co. Ltd.

Booth #827

New Product: Green and IR Q-switched lasers for micro-processing: DTL-419QT and DTL-429QT



Lasers provide excellent pulse-to-pulse stability and high beam quality.

Laser Operations LLC / QPC Lasers

Booth #2304

New Product: BrightLase® Ultra-500 200W 1470nm fiber coupled module



200W 1470nm fiber-coupled module for materials processing and surgical applications.

Lattice Electro Optics, Inc.

Booth #533

New Product: Coating for Extremely High Temperature Environment

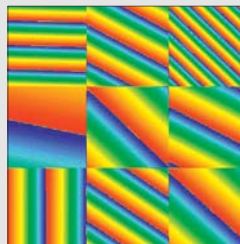


Coating Technology was up to 850 °C; Viewport & Special Cell Application.

LightTrans Virtual Lab UG

Booth #4601

New Product: VirtualLab 5 Lighting Toolbox by LightTrans



For design and simulator of non-paraxial optics systems (LED setups).

Litron Lasers Ltd. Booth #4209

New Product: Nano DP



Compact Diode Pumped Nd:YAG OEM Laser
80mJ@532nm 100Hz. Up to 200Hz.

Lumina Power, Inc. Booth #5300, 5301

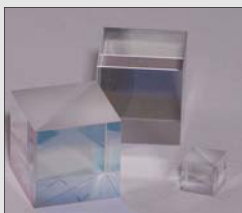
New Product: LDY Series CW/QCW Laser Diode Drivers



LDY laser diode drivers 600 to 1500watts,
100amps max.output.

Meadowlark Optics, Inc. Booth #2032

New Product: Very Broadband Beamsplitter Cube



Wire Grid based polarizing beamsplitter cube
provides extremely broadband performance.

New Product: Polymer Film Retarder



130µm thin polymer retarder can be
customized in retardance, shape, size. AR
coatings available.

MeshTel - INTELITE Booth #6052

New Product: UV-BLUE Laser Diode Module



UV - BLUE Laser
Vop: 5 VDC

MeshTel®

High Stable Output Power/Wavelength, Circular
Beam, 5VDC Vop.

Micro Laser Systems, Inc. Booth #825

New Product: Multimode Fiber Collimator



Fiber collimator for 0.22NA fibers with focusing
adjustment.

Micro Photon Devices

S.r.l. Booth #4721

New Product: PDM-R



Photon Counting Detector module with
high detection efficiency and <100ps timing
resolution.

Mightex Systems Booth #4409

New Product: Multi-Wavelength Fiber-Coupled LED



Multi-Wavelength Fiber-Coupled LED,
any pre-defined wavelength combination,
no moving parts.

Moxtek Inc. Booth #2406

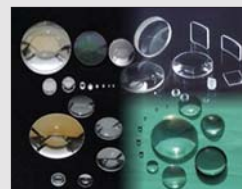
New Product: UVC240 Polarizer



The UVC240 Polarizer has high contrast at
240nm wavelength for use a Glan-Taylor
replacement.

MPA Crystal Corp. Booth #4612

New Product: Sapphire lenses: Plano-Convex, Piano-Concave, cylindrical lenses, meniscus



Sapphire/Fused Silica lenses: Plano-Convex,
Piano-Concave, cylindrical lenses, meniscus.

Nanonics Imaging

Ltd. Booth #1022

New Product: Nanocharacterization Workstation for Silicon & Plasmonic Photonics



Nano/microcharacterization photonic device
from Si waveguides to plasmonic/photonic
band-gap structures.

nanoplus Nanosystems and Technologies GmbH Booth #2523

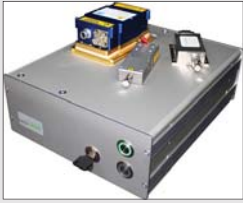
New Product: DFB laser diodes from 2900 nm to 3400 nm.



DFB laser diodes between 2.9µm and 3.4µm
for turnable diode laser spectroscopy

neoLASE GmbH Booth #4601

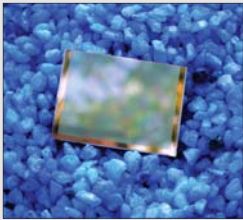
New Product: Laser diode controller



New turn-key, stand-alone laser diode controller including heat sink.

New Imaging Technologies SAS Booth #2211

New Product: NSC1101



The new High Dynamic Range Read out Circuit (<120dB – 640 x 480 pixels).

New Infrared Technologies, Ltd. Booth #5313

New Product: LUXELL 128 Core with LVF for Spectroscopy



Linear FPA System (128 Element) with LVF for Spectroscopy in 3–4.5 Microns uncooled performance, high speed.

Norcada Inc. Booth #4307

New Product: Mid-IR Semiconductor Laser



TLDas, Gas Sensing Wavelength 1900–3600nm, 10nm turning.

nPoint, Inc. Booth #505

New Product: nPBio XYZ Stages



Stages for microscopy with ranges from 100µm to 300µm.

Nutfield Technology, Inc. Booth #1634

New Product: QS-12-OPD Galvanometer with Optical Position Detector



QS-12-OPD Galvos Deliver <70ppm/°C Drift plus Excellent RF Noise Immunity and Dynamic Performance.

OEwaves, Inc. Booth #4632

New Product: Ultra-Narrow Linewidth Laser Plus



Compact 300 Hz linewidth laser up to 60mW optical power.

Optical Building Blocks Corp. Booth #303

New Product: Tunable PowerArc



Compact Inexpensive Tunable Milliwatt Illuminator from 250 to 1,100 Nanometers.

Optical System Integrator Ltd. Booth #733

New Product: Medical Head Mount Illumination Module



Medical Head Mount Illumination Module for surgery system which is >15000 Lux and has 80% uniformity.

OptiGrate Corp. Booth #1932

New Product: Ultra-low absorption (ULA) VBG



ULA-VBGs enable ultimate wavelength accuracy of stabilized diode lasers.

Optikos Corp. Booth #2329

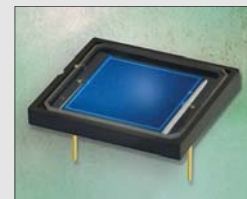
New Product: LensCheck™ LWIR Lens Measurement Instrument



A unique, cost-effective solution to your infrared lens qualification needs

Opto Diode Corp. Booth #2238

New Product: Absolute X-Ray Photodiode - IRD AXUV 100GX

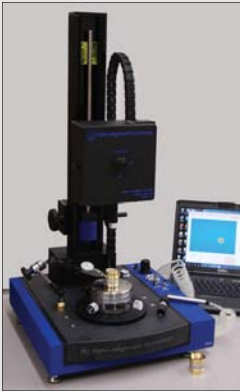


IRD AXUV-100GX Absolute X-Ray Photodiodes—Ideal for solar spectrum studies.

Opto-Alignment Technology, Inc.

Booth #5014

New Product: LAS-BT

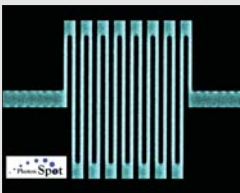


LAS-BT benchtop laser reflection based lens-centering station for lens-assembly & cementing.

OptoElectronic Components

Booth #4721

New Product: Super Conducting Nanowires for Photon Counting



Photon Counting Detector systems based on super conducting nanowires.

Optoskand AB

Booth #4221

New Product: Asymmetrical Collimating Optics



Asymmetrical collimating optics for square and rectangular beam shapes.

New Product: QD Fiber Optic Cable



Low loss connector with active sensors for extreme high power

Oxide Corp.

Booth #933

New Product: Speckle Contrast Measurement System for RGB laser display.

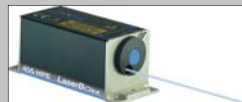


World's first product for quantitative evaluation of speckle noise.

OXXIUS SA

Booth #411

New Product: LaserBoxx



Oxxius introduces the 375, 405 and 445nm high power multimode laser diode modules.

Pangolin Laser Systems Inc.

Booth #1938

New product: LASORB "392" Series for High Power Red Laser Diodes

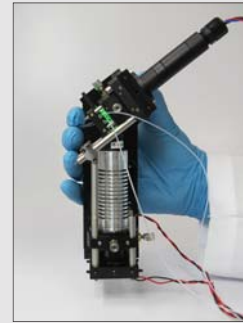


LASORB - "392" component designed to protect high power red laser diodes.

PARC, a Xerox Company

Booth #5539

New Product: Novel Handheld Flow Cytometry Technology



Compact, Point-of-Care Flow Cytometry: Licensing and Custom Development.

New Product: PARC LED and Laser Diode Services

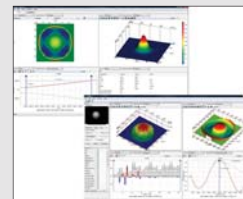


Comprehensive Custom Services to Accelerate Development: LEDs, LDs, Related Processes.

PhaseView

Booth #4226

New Product: Wavefront Measurement Software

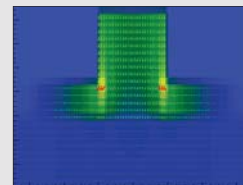


Digital wavefront technology turns any camera into powerful wavefront sensor.

Photon Design

Booth #427

New Product: HaroldXY



2DXY MQW laser diode and SOA simulator, even hybrid lasers!

Photonics West

Photon etc. Booth #4515

New Product: Raman Hyperspectral Imager RIMA



High-end Raman global imaging hyperspectral platform.

Photonics Industries International, Inc. Booth #1615

New Product: SN Series Laser



High Pulse Energy and High Repetition Rate Sub Nanosecond Lasers.

Photron USA, Inc. Booth #2013

New Product: FASTCAM SA7 High Speed Camera



Fastcam SA7 provides full HD resolution 1,500 frames per second.

PicoQuant GmbH Booth #4721

New Product: LDH-P-FA-530XL



Green picosecond pulsed diode laser with >200mW average power.

Power Technology Booth #917

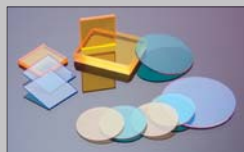
New Product: CK Laser Module



CK Instrument Quality Laser Module with On-Board Microprocessor, 375-785nm, 1-100 mW.

Precision Glass & Optics Booth #4333

New Product: Precision Thin Film Coatings



PG&O's Precision Thin Film Coatings for R&D and Commercial Applications.

Princeton Lightwave, Inc. Booth #4203

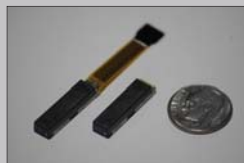
New Product: PGA-600HSX 100 MHz Single Photon Receiver



100MHz operation with high PDE and low dark count rate.

QD Laser, Inc. Booth #5307

New Product: QLD0593



Compact green laser module, >50mW, spectral single mode, high-speed modulation.

QGLex Inc. Booth #4401

New Product: PFL High Power Pulsed Fiber Laser



PFLs deliver maximum 10W power, 10kW peak power, nanosecond pulse.

Raptor Photonics Ltd. Booth #231

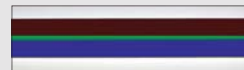
New Product: OSPREY Scientific CMOS



4.2MP cooled Scientific CMOS camera, 7e- noise, 12 bit, 37.5Hz

Reynard Corp. Booth #512

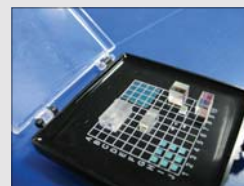
New Product: Gapless Photolithography



Multiple filter coatings with no gap and overlap between filters.

Rising Electro-Optics Ltd. Booth #5205

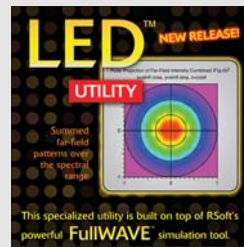
New Product: Telecom Optics



Etalon, FTTx Filter, PBS & Waveplate Apply for Telecom Optics.

RSoft Design Group Booth #2023

New Product: LED Utility



Accurately simulates novel LED structures and all materials involved.

SCANLAB America, Inc. Booth #2123

New Product: intellicube® 14



Ultra-compact, state-of-the-art digital-servo scan head for laser making.

SCD – Semi Conductor Devices Booth #4421

New Product: XENON



Powerful Pumping Module, NEONs-based for Fiber Laser or Direct Light.

New Product: NEON



Multi-Emitter, 60W, Fiber Coupled Laser for Pumping or Direct Light

Shanghai Optics Inc. Booth #2423

New Product: Coating Chemicals & Sputtering Targets



Ultra pure & consistent coating chemicals for precision optics market.

Shimadzu Corp. Booth #2640

New Product: BEAM MATE – LN HK – 5616



BEAMMATE, Green Laser, Low noise, compact, built – in microcontroller.

New Product: Spectro Sensor OSS – 0081



Spectro Sensor, High SN ratio, Low stray light.

Simphotek Inc. Booth #2611

New Product: SimphoSOFT-Optim



Accurate simulation and optimization of photo-activated materials; fit experimental data.

Snake Creek Lasers Booth #236

New Product: MiniGreen Plus Series



100 mW-Class Green DPSS Laser with High Temperature Insensitivity.

Solid State Cooling Systems Booth #2105

New Product: ThermoRack 800W Thermolectric chiller



ThermoRack 800W offers precision cooling for large diode laser applications.

Spectronix Corporation Booth #4914

New Product: A New Family of Picosecond Fiber Lasers: LYF-P series



All-fiber ultra-stable picoseconds laser LYF-P0001 and its master oscillator module.

SPOT Imaging Solutions Booth #4428

New Product: SPOT 8MP Xplorer



Introducing the new SPOT 8MP Xplorer using the new Kodak KAI-08050 Interline CCD Sensor.

TEM Messtechnik GmbH Booth #4601

New Product: μAligna



The auto-alignment system “μAligna” compensates drifts of any Laser beam.

Texas Instruments DLP Booth #2415

New Product: DLP® LightCrafter™



DLP® LightCrafter™ is the drop-in module for integrating light into industrial applications.

Thermo Scientific – CIDTEC Booth #2223

New Product: ColorRAD digital radiation hardened camera

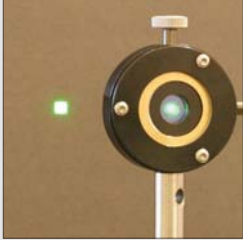


High performance color and monochrome CID radiation hardened cameras for inspection within radiation environments.

Photonics West

TOPAG Lasertechnik GmbH Booth #4601

New Product: Gauss to Top Hat Beam Shaper



Gauss to top hat beam shaper for laser material processing.

Toshiba America Information Systems, Inc. Booth #5523

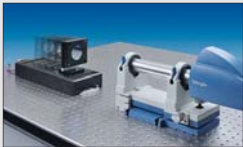
New Product: Compact CMOS HD Camera - for Microscopy



Compact, One-Piece CMOS HD Video Camera with USB Output.

TRIOPTICS GmbH Booth #1823

New Product: TriAngle 3D



Precise roll, pitch and yaw angle measurement with a single autocollimator.

Typonetq Co. Ltd Booth #4543

New Product: iLens™ 1610



iLens™ 1610, the King of Night, sees more!

Valley Design Corp. Booth #1841

New Product: Precision Shims, Spacers, Rings, Submounts of various materials



AlN, Fused Silica, Glass, from 250µ square up to 450mm, as thin as 25µm thick.

Voltage Multipliers Inc. Booth #5323

New Product: OZ150SG



New 15kV opto-diode from VMI featuring High Voltage, High gain.

Vortran Laser Technology, Inc. Booth #5434

New Product: Stradus 532-50



A 532nm, 50mW highly stable laser for demanding applications.

New Product: Stradus Multi-Laser



Up to 4 colors of output (405nm-660nm) out of a single small footprint package.

Wavelength Electronics, Inc. Booth #2103

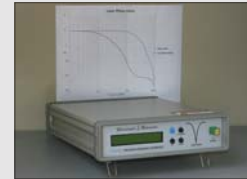
New Product: USBKIT USB Interface for Laser Diode and Temperature Controllers



OEM USB control of precision laser diode driver and temperature controller.

Wavelength References, Inc. Booth #4411

New Product: Clarity-NLL Line Narrowed Locked Laser



Combines absolute accuracy with linewidth reduction for interferometric sensing.

Wavelength Technology Singapore Pte. Ltd. Booth #2334

New Product: Laser Cutting Head



Laser Cutting Head is used for precision cutting in material.