



## Products

Valued Colleague

IL Photonics Markets and distributes Electro-Optical components and systems in Israel, and provides value added solutions to local companies in this space. We will be glad to help you with the following Products (the products released this month are displayed in **red**):

Fiber Optics	Couplers	WDM 980/1310/1480/1550
		Multi Mode
		Single Mode C, L, S
		Modules: 16 or more couplers in one module
		Polarization Maintaining
		CWDM
	Fibers	Fused Silica
		Capillaries
		Tapers
		Bundles
		Specialty: Erbium Doped, Ge Doped, Custom doping, small NA.
		SMF-28 Special coated
		Multi-Mode
		Fiber Bundels
		Harsh Environment
		1060 fibers
		Double Clad
	Integration	Custom Modules according to a given production file
	Isolators	
	Switches	
	Circulators	
	Attenuators	
	OADM	CWDM / DWDM
Polarizers		
Faraday Mirrors		
Connectors	FC/LC/SC/LX.5 etc.	
Patch Cords		
VECSL		
Pump Lasers	Cooled, uncooled	
Fiber coupled Multimode Lasers		
EDFA	Uncooled, Cooled. Single Channel, Multichannel	



## Products

		Custom, Off the shelf
	Tunable Lasers	For OEM telecom High power for testing
	Transceivers	CWDM, 1X9, PDH
	TOSA/ROSA	
	Fiber Lasers	Till 20W1000-1500nm
Spectroscopy	Spectrometer	PDA-UV-VIS-NIR
		Line CCD Based Detector
		InGaAs Array
		PbS Array 1100-3000nm
		MPP CCD UV-VIS-NIR
		2-Channels
	Raman	Reflection - Transmission
		Complete Raman System
		Probes
		Notch Filters
	LED	SLM Lasers
	FTIR	Near-IR Mid-IR
	Pharmaceutical Monitors	Blending and Dryer Monitor
	Spectrophotometer	
	Fluorometer	
	Laser diodes	Near-IR Mid-IR
	Photodiodes	Near-IR Mid-IR
	Photomultipliers	UV-VIS-NIR
	Tunable Lasers	Solid-State, Fiber and Semiconductor
	Monochromators	From 40 till 1000mm
		Imaging and non-imaging 1 and 2 channels
	Gratings	Up till 6000 lp/mm
Cuvettes		
AOTF spectrometers	NIR	
Fluorescence	Complete Fluorometer	
	Filter sets	
Cameras-Scientific Grade	1024X256-4096X4096 pixels	
	No-Very deep cooling	
	Slow Scan	
	X-Ray	
Optics	Plastic	Injection mold
		Filters
		Coating
		Stock-Off the shelf



## Products

	Diffractive Optics (Global)	Top-Hat												
		Beam Splitter												
		Beam Sampler												
		Lenslet Arrays												
		Homogenizers												
		Dual-Triple Focus												
		Pattern Generators												
		Dual Wavelength Optics												
		Elongated Focal length												
		Diffusers												
		Vortex Lenses												
	Substrates	BK7, K9, Fused Silica, ZnSe, Sapphire, CaF <sub>2</sub> , Silicon, Copper, Zerodur, ZnS, Molybdenum, Heraeus Quartz, LiF, GaAs, Calcite etc.												
			Blanks/Ingots	ZnSe, ZnS CaF <sub>2</sub> , Si, Fused Silica, Quartz, Germanium.										
					Hard Materials	Sapphire, Alumina, Agate, Aluminium Nitride, Ferrite, Glass, Macor, Quartz, Ruby, Silicon, Silicon Carbide, Silicon Nitride, Tungsten Carbide and Zirconia								
							Lenses	Pl/Cx, Achromates, Cylindrical, aspherical, Ball and all regular formats, High and low pressure lenses for CO <sub>2</sub> lasers, Replacement parts for Trumpf, Prima.						
								Telecentric						
									Coatings	Ar/Ar, Hr, Beamsplitting, etc. from Deep UV till FAR etc				
										ITO				
										Dielectric, Gold, Silver, Aluminum, MgF <sub>2</sub> , Interference				
											Phase retarders	For CO <sub>2</sub> Lasers		
													Mirrors	Hot-Mirror, Cold Mirror, Float-Glass
														For CO <sub>2</sub> Laser
	Prisms													Corner cube-Retroreflector, Dove, Penta, Roof,



## Products

		Anamorphic, Right angle,
	Cuvettes	
	<b>Beam Expanders</b>	
	Polarizing optics	Waveplates, Glan-Taylor Prisms, Glan-Laser Prism, Glan-Thompson Prism, Rochon Prism, Foster, Glazebrook, Wollaston beamsplitter, Bravais compensator, C-polarizers
	Filters	Interference, Fluorescence, ND Filter, Etalons, Bandpass 980/1310/1550nm, Notch, GFF
	Crystals	NLO: SKTP, KTA, RTP, KTP, LBO, BBO, KD*P, BIBO, LiNbO <sub>3</sub> , AgGaS <sub>2</sub> , AgGaSe <sub>2</sub> . Laser: Nd:YAG, Nd:YVO <sub>4</sub> , Nd:GdVO <sub>4</sub> , Ti:Sapphire. Q-switch: Cr:YAG, E-O Crystals, Q-Switch.
		<b>Diffusion bonded Crystals</b>
	Laser Optics	High Quality windows, lenses, mirrors, output couplers, Harmonic separators etc.
	Beam splitters	Narrow and Broad Band, Plate and Cube, Polarizing and non Polarizing
	Holograms	
	IR-UV Beam visualizer	
	Isolators free space	
	Pockel Cells	
	Glass Capillary Arrays	Fused Silica and Sapphire
	Cleaning Liquid	For rough and dirty surfaces
	Protecting Layer	On all kind of optical surfaces
Lasers	He-Ne	From 0.5mW till 80mW
	Fiber Lasers	SM flexible pulse
	CO <sub>2</sub> Lasers	Low Power
	<b>Excimer lasers</b>	
	<b>SLM lasers for RAMAN</b>	
	Solid State	Nd:YAG, 213-1064nm, Tunable, Double pulsed. OPO



## Products

		Raman Shifter <b>Ti: Sapphire</b>
	Sub-Systems	Pockel's cells
		Power Supplies
		Pump Chambers
		Q-Switch Drivers
		Crystal oven
		Beam Expanders
		Objectives
	Laser diodes –High Power	Single Mode 785-1480nm
		Multi Mode 785-1480nm
		Fiber coupled high power
	Laser Diodes Low power	635,650, 5-60mW
	Laser diodes > 1.6um	From 1600nm till 3800nm
	<b>Protection Eye-Wear</b>	<b>Goggles, curtains</b>
	<b>Beam Expanders</b>	
	Diode modules	Spots/lines cross-Hair
		VIS/NIR / high/low power
Modulated		
DPSS	266nm, 355nm	
	457nm, 473nm, 501nm,	
	532nm, 556nm, 671nm	
	946nm, 1053nm, 1064nm. 1319nm, 1342nm, 1444nm	
Spare Parts	Optics	
	Nozzles	
	Ceramic Discs	
	Power Probes, etc.	
Opto-Mechanics	Optical mounts	Mirror, prisms, gimbal, 4-axis, lens, self centering, beam steering sets
	Stages	Ball bearing, v-grooved, crossed roller bearing. Dovetail, X, XY, XYZ, Z. Tilt, 1, 2, 3 axis.
	Motion Systems	Controllers, motion control stages
	Post & Components	Posts, Post risers, clamps, Rails, Base Plate, magnetic base, angle bracket, screws, micrometer, fiber positioner, fiber couplers, rods, laser



## Products

		holder, Spatial filter, Iris diaphragm holder, pinhole Custom and Stock, pinhole mount, optical slit
	Optical Table	Honeycomb desktop, honeycomb breadboard, vibration isolators, solid aluminum bread-boards
	Filter wheel	
	Educational systems	11 topics like Fabry Perot Etalon, Fourier Optics.
	Encoders	
	Shutter	
LED	Modules / Arrays	360nm-1600nm
	Ultra-Bright	
	LED to Fiber Coupler	
	Ring Lights	
	Backlight	
	Traffic Lights	
	LED Baton	
	LED IR	700-4600nm
Systems	Laser Welding System	Packaging Optical Modules
	Laser Engraving Systems	
	Laser Beam Deflectors	
	LED Lamp Tester	
	<b>FTIR</b>	
	<b>Micro-RAMAN</b>	
	<b>Solar Simulator</b>	
	Laser Beam Modulators	
	Laser Noise reduces	
	Laser Autocollimator	
	<b>Laser Marking System</b>	
	Laser Element Analyzer	
	Scanning Confocal Microscope	
	Blender Monitor	
	Dryer Monitor	
	Tachometer	
	Stroboscopes	
<b>Interferometers</b>		
High Voltage Power Supply		
Detectors	Photodiodes	800nm-3800nm InGaAs
		Quadrant InGaAs



## Products

		Silicon Pin and APD
		Ge PN
		Ge Avalanche
		Two color Detectors
	Photomultipliers	UV-VIS-NIR
	FPA	900-1700nm 256*320/512*640
	MCP	Imaging, Detection Grade
	MCP-PMT	From 2X2 till 8X8
	Single Photon Detectors	NIR
	Streak tubes	
	<b>Light Detectors</b>	<b>With A/D and various sensors (Si/InGaAs/etc)</b>
	Electron Multipliers	
	GCA	
	Thermopile	Single Channel 1 Dimensional array 2 Dimensional array
	PSD (Position Sensitive)	1-Dim, 2-Dim 1064nm enhanced, UV enhanced
R&D Services	Electro-Optics	Spectroscopy
		Ocular related
		Laser Beam Delivery
		Diffraction optics
		Prototype Building
		Creating of Production File
	State of the art screening	
	Patents	Assistance with Preparation and drawings.
	Lab Services	Test and measurement
Lithography		
Wet and Reactive ion Etching		
Profilometry		
Imaging	Camera	CCD-High Resolution
		USB2 / Fire wire / <b>Camera Link</b>
		Tiny (1X1mm till 8X8mm)
		ICCD's
		Scientific Grade (see Spectroscopy)
		X-Ray
Day-Night Camera's		



## Products

		C-MOS-High Resolution
		OEM Engines
		Board, Low cost
		Ultra fast: 500fps Mpixel
		<b>EM-CCD</b>
		<b>NIR</b>
	Telecentric	Lenses
	Illuminators	
CCTV Lenses	Fixed, vis and nir (850-940nm), DC, Zoom, Board, C-mos, DSC	
Streak Tubes		
<b>Image Intensifiers</b>		
<b>FPA</b>	<b>900-1700nm</b>	
Light sources (NON LED/LAser)	Stroboscopes	Xe Flash Point
		Xe-Flash Line
	IR Sources	3-5um 1-30 Hz
	<b>Xenon</b>	<b>50-300 Watt CW</b>
	<b>Mercury</b>	
	<b>Halogen</b>	
	<b>Deuterium</b>	
	<b>Solar Simulator</b>	
	<b>Ringlight</b>	
	<b>Backlight</b>	
<b>Super Diode Luminescence</b>		
Solar	Panels	
	Cells	
	Ingots	
	<b>Solar Simulator</b>	
<b>X-Ray</b>	Source	4- <b>160</b> KeV
	Camera's	Direct detection
		Scintillator on FOP on CCD
		Image Intensifier
	Scintillator	
Beryllium windows		
Protection	<b>Laser Protection</b>	<b>Eyewear</b>
		<b>Curtains</b>