

לשנה טובה מכל הלב

[תבקשו מאתנו](#)

לוח שנה מיד שרה-איי  
אל פוטוניקס

[קישור לחדשות בעברית](#)

Links to Topics

[Opto-Mechanics](#)

[Lasers](#)

[Optics-Cleaning](#)

[Cameras](#)

[Optics](#)

[Beam Profiling](#)

[Spectrometer](#)

[Detectors/Electronics](#)

[Soldering Paste](#)

[Interferometer](#)

[Vibration Isolation](#)

[Solar Cells QE systems](#)

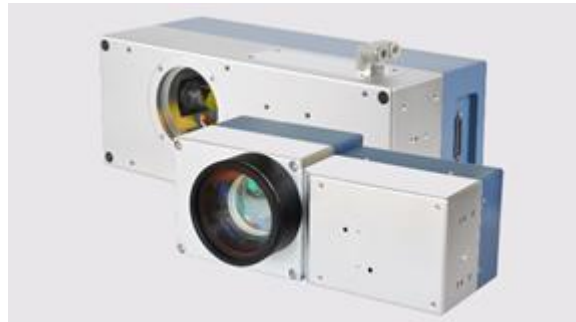
[Jobs/Employees/Site at IL Photonics](#)

[Exhibition](#)

[Featured Company \(EOT\)](#)

### 🌀 Opto-Mechanics

1D, 2D and 3D **scanning** solutions from [www.ray-motion.com](http://www.ray-motion.com) are now distributed in Israel by IL Photonics.



The portfolio includes complete 2D and 3D scanning solutions as well as single galvanometers. High quality at a very reasonable price.



Lasers

**OPCPA-HE**

High Energy OPCPA Systems



- Up to 45 mJ of output energy at 1 kHz
- Front end is based on field-proven PHAROS laser

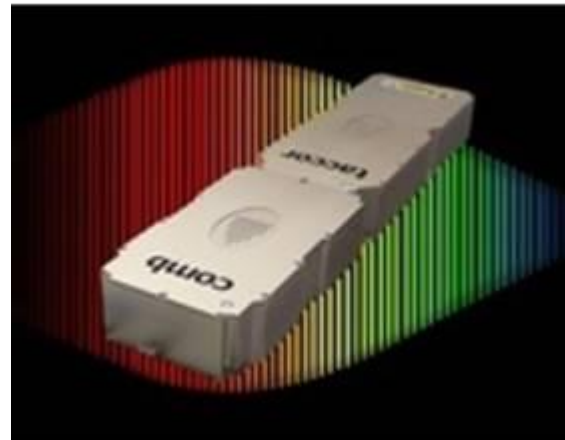
- Passive CEP stabilization with a temperature stabilized Optical Parametric Amplifier (OPA)
- High temporal contrast in picosecond time scale

Femto-Second 20W  
Average power **laser**.  
Soon to be increased  
till 40W



In 2017 the price decreased for most lasers of Light Conversion.  
Ask for your updated quote.

Benefits of gigahertz mode spacing for frequency comb applications'.  
Register here, and join [LQ's webinar](#)



### 🌀 Optics cleaning

Cleaning liquid for optics  
from [purosol](#) now

[Ask for a sample.](#)

distributed in Israel by IL Photonics. This Fluid that has been developed for NASA received best feedback from optical experts.



## 📷 Cameras



New USB3 and GigE cameras:

### [USB3](#)

IMX255, CMOS GS, 8.9 MP, 42 FPS, 4112x2176, 1", 3.45  $\mu\text{m}$ , Mono+ Color

IMX267, CMOS GS, 8.9 MP, 32 FPS, 4112x2176, 1", 3.45  $\mu$ m, Mono + Color

IMX253, CMOS GS, 12.4 MP, 31 FPS, 4112x3008, 1.1", 3.45  $\mu$ m, Mono + Color

IMX304, CMOS GS, 12.4 MP, 23 FPS, 4112x3008, 1.1", 3.45  $\mu$ m, Mono + Color

### [GigE](#)

**IMX267**, CMOS GS, 8.9 MP, 13 FPS, 4112x2176, 1", 3.45  $\mu$ m, Mono + Color

**IMX304**, CMOS GS, 12.4 MP, 10 FPS, 4112x3008, 1.1", 3.45  $\mu$ m, Mono + Color



### Optics

10nm [tunable filter](#)  
over 400-2500nm  
depending on the  
coating.







Small optical isolators  
for 500-800nm  
1-100 mw type diode lasers

Isolators for up till 400 W fiber laser, possibly OK till 1kW.

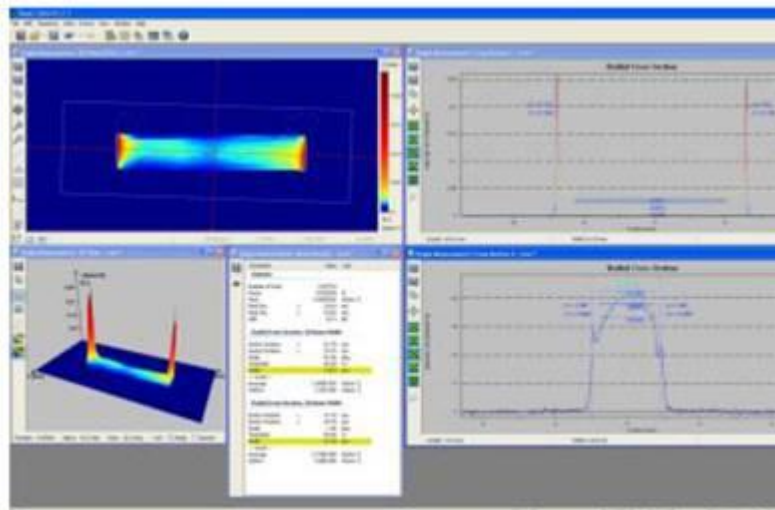
HOLO/OR has developed  
LeanLine™, a novel system that  
turns a multimode laser beam into  
a narrow line

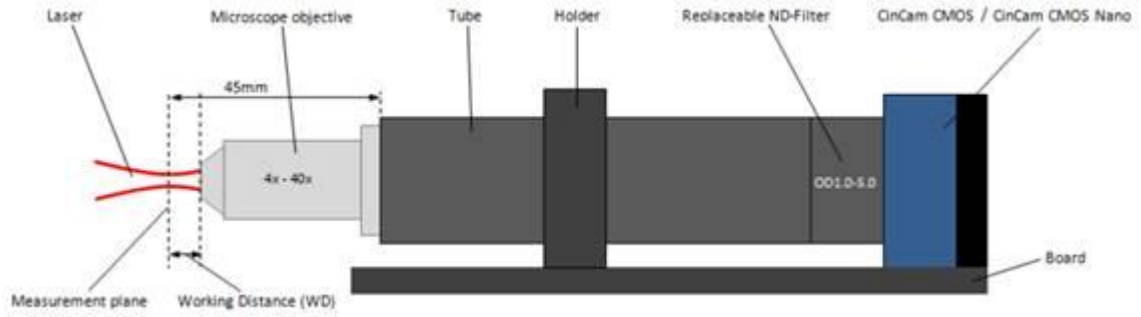
[http://www.holoor.co.il/Diffractive\\_optics\\_Solutions/LeanLine.php](http://www.holoor.co.il/Diffractive_optics_Solutions/LeanLine.php)



## 🌀 Beam Profiling

Beam  
profilers  
For  
[long lines](#),  
[Nearfield](#)  
and  
[beam focus](#).





## 🌀 Spectrometer

Micro-spectrometers 400-950nm and 400-1700nm



## 🌀 Detectors and Electronics





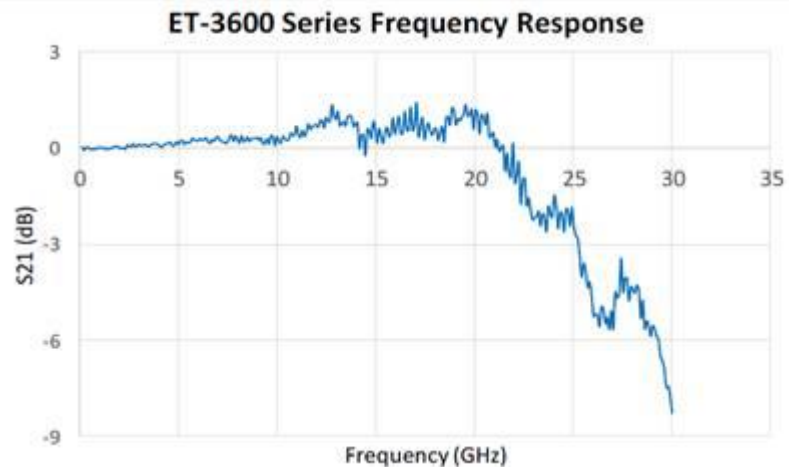
## ID281 Superconducting Nanowire

ID281 SINGLE-PHOTON DETECTOR WITH 80% QUANTUM EFFICIENCY AND FASTEST ELECTRONICS

- Detection range: 400-2500 nm
- Best-in-class quantum efficiency: 80%
- Jitter: 50 ps (FWHM)
- Closed-cycle cryostat
- Agile control and data recording electronics

### [22GHz](#)

Detector 800-1700nm  
InGaAs PIN  
now available,  
at attractive  
prices.

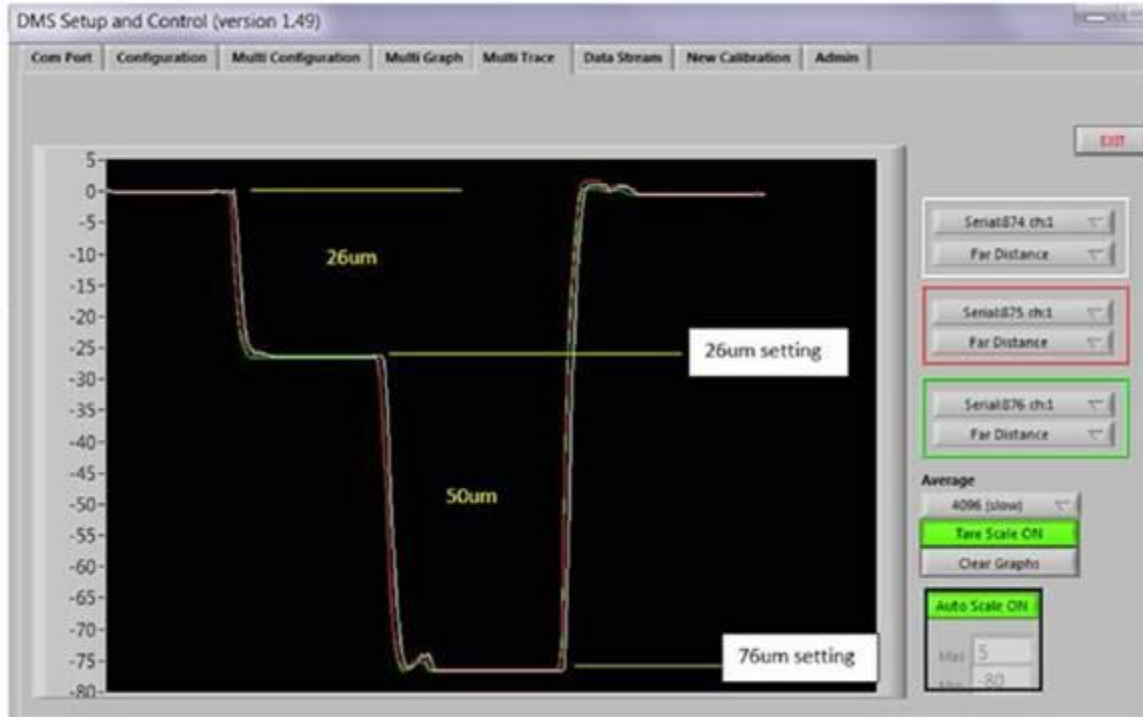


[TIMING, DELAY AND PATTERN GENERATION](#) ALL WITH 20 PICOSECONDS PRECISION, up till 64 channels



## ID900 Time Controller

3 of [Philtec digital FOS](#), gap + tilt + parallelism of 2 planes in any mechanical system can be monitored in real time:



New pricing in 2017 for detectors of [www.eotech.com](http://www.eotech.com) Some decreased in price, others increased.



## ☀ Soldering Paste

A Nanomaterial based alternative material to AuSn solder, with improved performance and heat conductivity, available from IL Photonics.

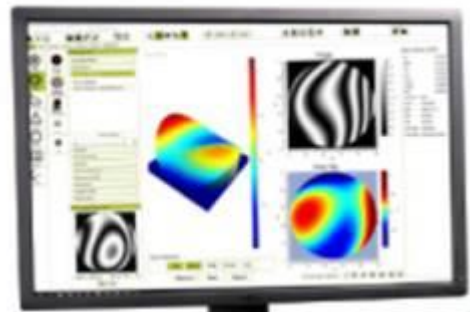
### Paste properties comparison

	DOWA's nano Ag Paste PL-LT-3000 series	AuSn(20) Solder Paste	Conventional silver Paste (curing type)
Process Temperature °C	>175	320-350	150-200
Volume Resistivity $\mu\Omega \cdot \text{cm}$	<5	?	>10
Thermal Conductivity W/m·K	<230	50-60	<10
Shear Strength Mpa	>30	?	<5

Above data is not guaranteed values.

## ☀ Interferometer

Your FREE  
[maintenance guide](#)  
to get the most from your  
Interferometer



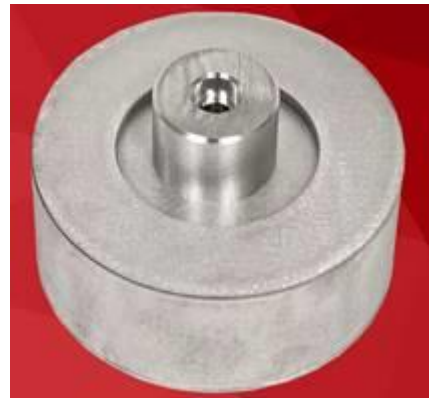
## 🌀 Vibration Isolation



A new Site Survey tool  
from

<http://www.Herzan.com>

New [MicroDamp](#) Series  
vibration isolators  
affordable and efficient means  
of vibration isolation.



## 🌀 Solar Cell QE Systems



Quantum Efficiency  
Metrology Tools as in  
[http://abet-  
technologies.com/qe-  
systems/](http://abet-technologies.com/qe-systems/) are now  
available

## 🌀 Jobs/Employees/Site at IL Photonics

IL Photonics is expanding. We are looking for a Sales Engineer with background in Physics/Electro Optics.

English and Hebrew should be at a high level. Please forward your CV with an application letter if this can be of your interest.

With deep sadness we inform that Meir Chazon

מאיר ישראל חזון בן יעקב וולף ז"ל

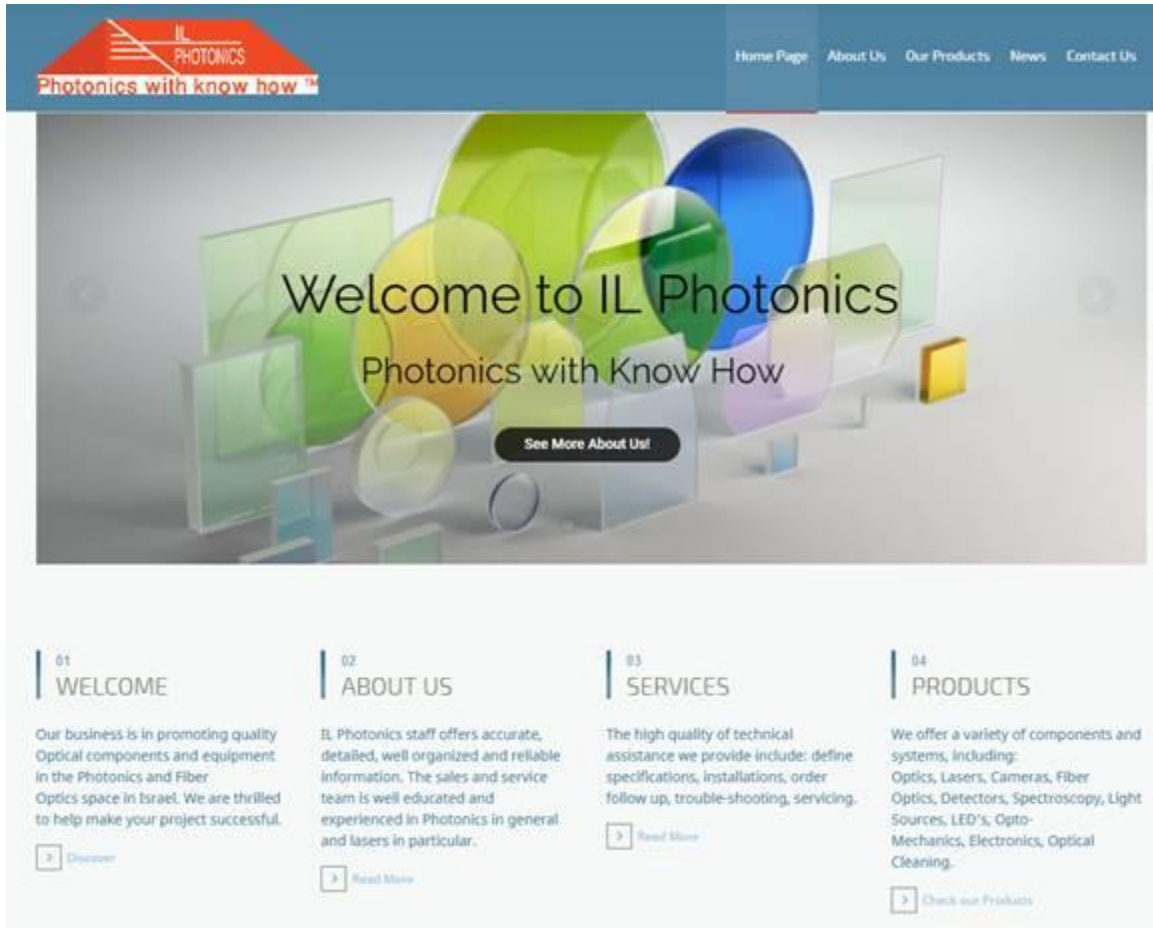
past away earlier this year.

תנצב"ה

Assaf Levanon joined IL Photonics as freelance laser engineer.

Chanan Raber joined IL Photonics as Sales engineer with Sales Support.

IL Photonics is to release a new website soon. A preview is shown below



## 🌟 Exhibition

IL Photonics will exhibit in the <http://www.new-techevents.com/new-tech-exhibition/> ... May 29th and 30th in Tel Aviv.

*Featured Company*

**EOT**<sup>®</sup>  
Electro-Optics Technology, Inc.



# The Leader in Optical Isolators for High Power Lasers

Electro-Optics Technology (EOT) has been supplying enabling components and diagnostic equipment worldwide for manufacturers and users of high power laser systems since 1987. Electro-Optics Technology (EOT) specifically focuses on OEM and custom applications utilizing an experienced group of engineers and technicians that work closely with customers from the beginning of the customer's project and all the way through to production. Additionally, Electro-Optics Technology (EOT) has the facilities, equipment, and quality systems necessary to ensure that products meet critical customer specifications. Current products include [Faraday rotators](#) and [optical isolators](#) for use with laser diodes, [fiber lasers](#), solid-state lasers, and QCLs. We also stock a complete line of [photodetectors](#) used to monitor the output of pulsed, mode-locked and externally modulated CW lasers, and [fiber collimators](#) for high power lasers.



Pavos Series 1010-  
1045nm High Power  
Optical Isolators - Small  
Aperture ( $\leq 5\text{mm}$ )



Pavos Series 1045-  
1080nm High Power  
Optical Isolators - Small  
Aperture ( $\leq 5\text{mm}$ )



Makros Series 2000-  
2100nm High Power  
Optical Isolators





Mesos Series 4500- 4600nm Mid-IR Optical Isolators	<b>ET-6000 - 1.5-5<math>\mu</math>m PbSe</b> <b>Large Area Power</b> <b>Detectors</b>	22GHz InGaAs Photodetectors
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Follow us on **twitter** <http://twitter.com/ilphotonics>

If not advised otherwise the prices are DDP, Israel and don't include 17% VAT,

Special actions may be conditioned as long as in stock or till a certain date.  
Ask for a quote on any product.

Most likely you have actively subscribed to our newsletter (to either IL Photonics or to RM Photonics).

However it can be that you actively requested other information and we replied with this requested information that we assume that you are interested to receive our Monthly newsletter or very targeted updates, and gave you the option to advise us that you do not wish to receive this.

To **unsubscribe** send an e-mail to: [moshe@ilphotonics.com](mailto:moshe@ilphotonics.com) and write in the subject field "unsubscribe".

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**Photonics with Know How**