



OPTOGAMA



# Optogama

April 2022

EPIC AGM, Vilnius





## About us

Optogama, established in 2015, is a high-tech company that designs, develops and commercializes custom and unique laser products. The company develops technologies and components for laser manufacturers, laser material processing applications, analytical and spectroscopy instrumentation, automotive, sensing, medical industries.

Optogama also has a division "4Lasers" created in order to supply high-quality laser and nonlinear crystals, optical elements, beam delivery devices, accessories and laser setups.

### Why you should choose us

- Over 15 years of experience in the laser and photonics industry
- >70% of staff is with a technical background in Laser Physics
- Strength in custom design and production of optical components, beam delivery devices
- Highly efficient communication and short lead time even for custom production
- Assurance of standardized production and quality according to ISO9001
- Guaranteed superior price-performance ratio



### 2022

#### NEW PREMISES

New office space for the team expansion, brand new dedicated production facilities, ISO7 class metrology, assembling and R&D labs.

#### IMPLEMENTED ISO 9001 STANDARD

Bureau Veritas Certification Holding SAS – UK Branch certified the Management System of the Optogama in accordance with the ISO 9001:2015 requirements.

### 2021



### 2020

#### FAST COMPANY GROWTH

Financial Times announced Optogama as one of Europe's fastest-growing companies with an absolute growth rate - 250,2%.

#### NEW LASERS

Compact "eye-safe" 1,54 µm wavelength nanosecond lasers "KAUKAS" series and Nd:YAG passively q-switched DPSS laser WAVEGUARD were introduced to the market.

### 2019



### 2018

#### NEW COMPANY DIVISION

Opening of "4Lasers" - new company division for Laser Components supplying.

#### METROLOGY AND QUALITY ASSURANCE LAB

Newly set up laboratory improved quality management system that allows us to give relevant, reliable and timely test results.

### 2017



### 2016

#### FIRST R&D PROJECTS

- 1) Compact "eye-safe" 1,54 µm wavelength nanosecond lasers "KAUKAS" series.
- 2) ASGARD - a source for gas analysis and real time detection.

#### COMPANY ESTABLISHMENT

Young and ambitious team was gathered in order to design, develop and commercialize custom and unique laser products.

### 2015





**1,54 um “eye-safe”** range mJ energy ns lasers

CW 1,54 um “eye-safe” range lasers

**1064 nm or 532 nm sub-ns** stabilized wavelength microchip lasers



**Beam expanders and reducers**

MEX with divergence compensation

**Laser power attenuators**

**Beam delivery** devices BDS

Laser beam divergence compensators



Laser and Nonlinear **crystals**

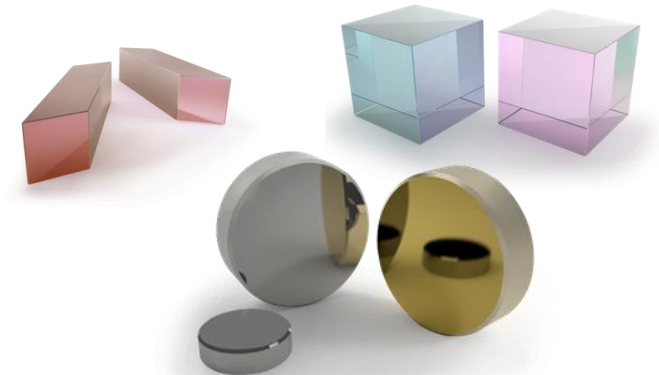
**Laser optics**

Polarization optics

Laser accessories

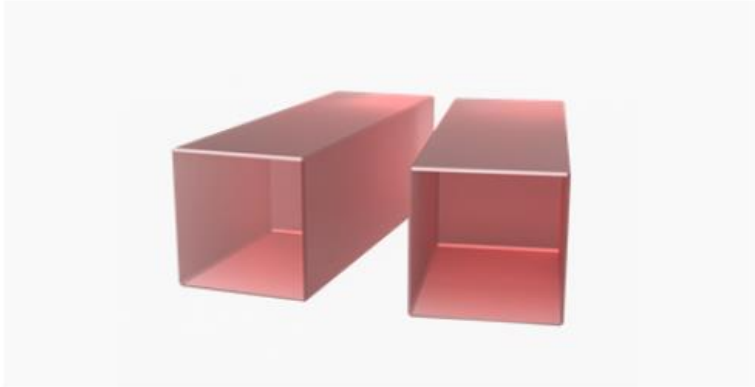


**4 LASERS**





# Laser components – “4Lasers.com”



Crystals



Laser components



Polarization optics



Beam delivery devices



Laser accessories



# Laser beam delivery and beam shaping devices



Compact motorized beam expanders MEX



High-power motorized beam expanders MEX-HP



Variable laser beam expanders and reducers VEX



Fixed ratio laser beam expanders FEX



Motorized laser power attenuators LPA



Advanced motorized laser power attenuators LPA-A



Motorized polarization rotator MRO



Manual laser power attenuators LPA-M



Laser power attenuators LPA-OEM



Flat top converter FTC



Manual 4 axis translation stage



# Compact lasers



Nd:YAG passively q-switched DPSS lasers "Waveguard"



"Eye-safe" 1,54  $\mu\text{m}$  ns lasers "KAUKAS 0.3"



"Eye-safe" 1,54  $\mu\text{m}$  ns lasers "KAUKAS 2"



"Eye-safe" 1,54  $\mu\text{m}$  ns lasers "KAUKAS 3"



"Eye-safe" 1,54  $\mu\text{m}$  ns lasers "KAUKAS HR"



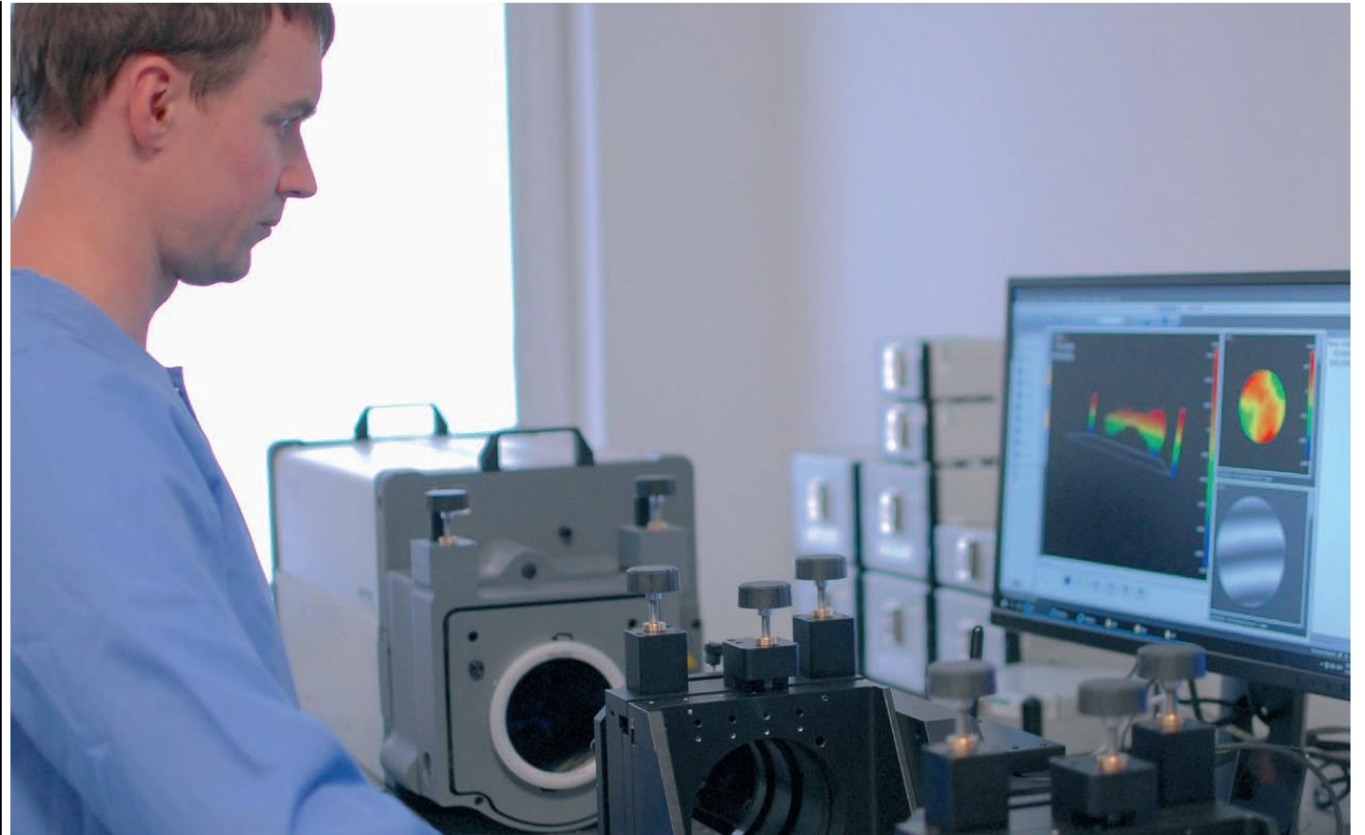
"Eye-safe" 1,5  $\mu\text{m}$  lasers "KAUKAS CW"



# Optical metrology

In-house optical metrology instruments to guaranty every specified optics parameter:

- ZYGO Verifire 4inch interferometer including full set of spherical references
- Spectrophotometers Photon RT and HighFinesse WS6
- Optical benches with multiple laser sources
- Environmental chambers
- Stereo zoom microscopes Olympus SZX7
- X-ray crystallograph/refractometer
- M2 metter and set of cameras for laser beam quality measurements





# Contact us

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