



# OPTICOELECTRON

PRESENTATION 2026

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

Get Started





About Opticoelectron – THE BIGGEST  
OPTICAL MANUFACTURER ON  
THE BALKANS SINCE 1971

# CERTIFICATES

ISO 9001, ISO 27001, ISO 18001, ISO 14001,  
AQAP 2110, NATO SECRET, ECOVADIS

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# NUMBERS & CODES

NATO MANUFACTURER CODE – NCAGE 000  
DU DUNS CODE – 65 456241 NATIONAL  
CLASSIFIED INFORMATION – B621209-001-05  
NATO SECRET PERSONAL NUMBER – N621209-  
001-73

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Opticoelectron Group JSCo is one of the most advanced companies specialized in optomechanical, optoelectronic and laser devices and systems for defense and security, medicine, device-building, machine-building. The company has more than 50 years old history and traditions, and it is considered as a leader of optical devices production in Bulgaria, as well as an international market leader.



100%

PRIVATE COMPANY

650

EMPLOYEES INCL.

150

HIGH-QUALIFIED  
ENGINEERS

95%

VOLUME EXPORT

45

COUNTRIES EXPORT

# Optical Production

## MACRO AND MICRO OPTICAL ELEMENTS:

1. Spherical Optics;
2. Rod Lenses / Stablinsen;
3. Plano & Parallel Plates;
4. Filters, Mirrors, Prisms;
5. Cylindrical Optics and Micro Optics
6. Optical Micrometer Scales;
7. Reflection & ANTI-Reflection Coating;
8. Precision Glass Molding

## OPTICAL RETICLES (3 TYPES):

- Non transparent chromium patterns on transparent background
- Transparent patterns on non transparent chromium background
- Edged and filled with TiO or ZrO patterns on transparent background

## PRODUCTS FOR IR RANGE:

Opticoelectron has available excellent production facilities with modern equipment and technological know-how for manufacturing of precise IR optical components in various forms: - IR materials : Ge, Si, ZnS, ZnSe, CaF<sub>2</sub>, GASIR, IG6, others - Diamond turning of parts up to 250mm diameter by SPDT on Ultra-precision diamond turning lathe - Surface machined by SPDT: plano, spherical, aspherical, aspheric-diffractive surfaces, free form - Traditional polishing of IR lenses and protective windows with round and non-round shapes - HEAR IR coatings for MWIR and LWIR ranges - DLC coating on Ge and Si components for MWIR and LWIR ranges



## PRECISION GLASS MOLDING:

PLANT FOR OPTICS have built new production facility for the replicative fabrication of precision glass optics using glass mold press machine Toshiba GMP-311V(CE) (vacuum type). Machine is working in clean room environment (class10 000) to avoid any dirty contaminations over molded lenses and molding tools.

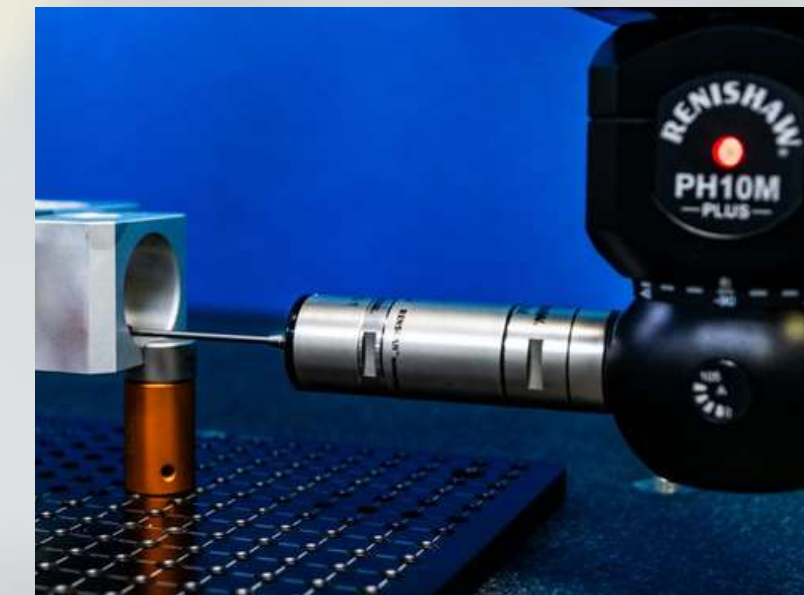


# Optomechanical Production

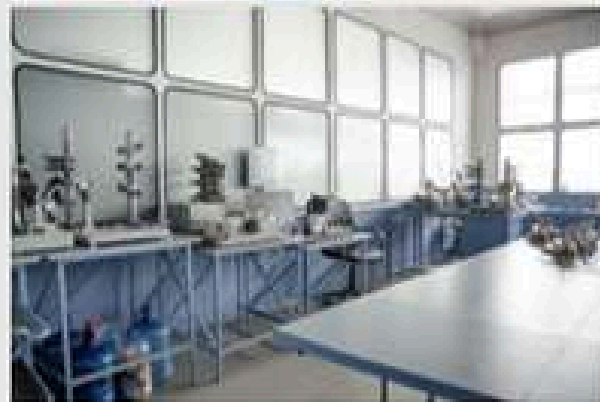
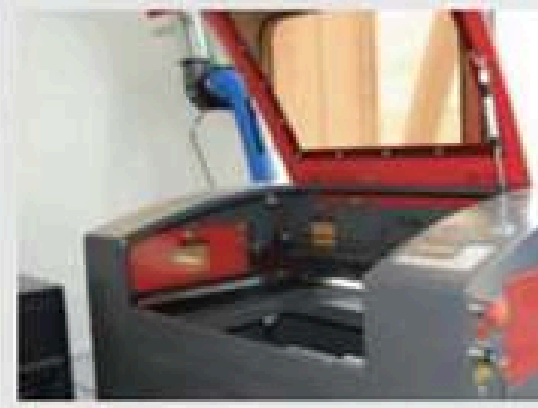
Opticoelectron manufactured parts and assemblies in the field of precision mechanics and optomechanical civil proceedings, and defense industry. The company has a programming workshop equipped with high-tech CNC Machines for the production of parts with complex geometric configuration and accuracy 0,002 mm.

## PRODUCTION:

1. Prismatic hull and rotary parts;
2. Cylindrical and bevel gears from module 0,2 to the module 4 in series production, in single parts to module 6;
3. Rack - rails to module 1,25 a length of 400 mm;
4. Automatic details;
5. Galvanic and lacquer and paint coatings;
6. Standard equipment;
7. Mechanical units;
8. Tooling.
9. Powder coating
10. Welding
11. Laser cuttin



# Assembling and Testing



**Opticoelectron** is specialized in assembly and testing of **optomechanical** and **optoelectronic** devices, lens and subassembly production, including:

- Day and Night Sights;
- Thermal Sights
- Collimating sights;
- Magnifiers;
- Laser pointers;
- Laser Range Finders;
- Multisensory Systems
- Microscopes and etc.

**Opticoelectron** has its own built and highly equipped laboratory for testing, according to NATO standards.

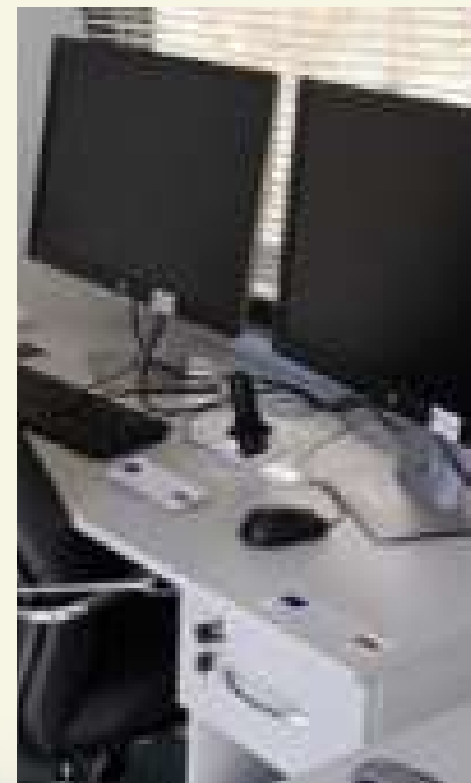
The lab includes:

- ORI Station;
- Climate Chambers;
- Collimators;
- Pressure Chambers
- Vibration Stand
- Shooting Simulator
- Transport Simulator

# Stationary Post for Border Security



# Semi-Stationary Post for Border Security



# Mobile systems for border security



# Mobile systems for border security



# Structure of Military Production

## ARTILLERY

Optical Sights for Artillery Systems  
Optical Sights for Grenade Launchers  
Gunner Devices and Accessories  
Grenade Launcher Containers  
Reconnaissance and Distance Measuring Devices

## FIRE ARMS

Optical Sights for Fire Arms  
Night Vision sights, Monoculars and Goggles  
Collimating Sights and Red Dot Sights  
Laser Target Designators and IR Searchlight  
Tactical Laser Flashlights  
Thermal Sights and Imagers  
SWIR Lenses

## VEHICLES

Surveillance and Observation Systems  
Armored Vehicles

## DRONE TECHNOLOGIES

# Artillery Optical Sights



**Unified Mortar Sight  
MUM**



**Optical Sight For Grenade Launcher  
SAG-17**



**Mechanical sight D726-45 1/6000  
Mechanical sight D726-45 1/6400**



**Base for PG-1M**



**Optical Gun Sight  
2-OSG-122**



**Combined Artillery Optical Sight  
SBOK-9M**



**Artillery Optical Sight  
OS 4M - 35/45**



**Anti-Aircraft Automatic Sight  
ZAP 23**

# Grenade Launchers Optical Sights



**Combined Grenade Launcher  
Optical Sight SGO-K9 (PGO K9)**



**Grenade Launcher Optical Sight  
With Night vision Attachment  
SGO-7VNU + MNV-50**



**Grenade Launcher Optical  
Sight SGO-7VPM**



**Grenade Launcher Optical  
Sight SGOK-9 (PGOK-9)**



**Grenade Launcher Optical  
Sight SGO 100 3X**

# Artillery Measuring Devices



**Periscope Artillery Aiming Circle  
PAB 2 AM**



**Forward Artillery Observer Post  
LARTOS**



**LASER RANGE FINDER  
LBD**

# Grenade Launcher Containers

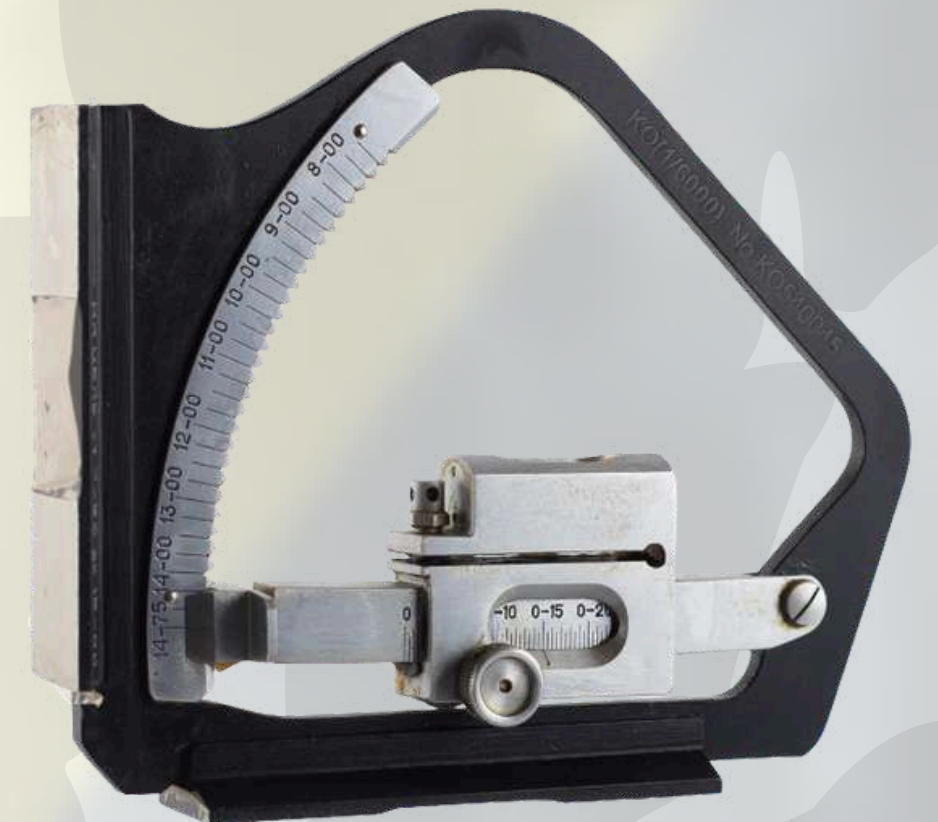


**Disposable Grenade Launcher  
BULSPIKE**

# Artillery Gunner Devices



**Gunner Collimator  
K-1**



**Gunner Quadrant  
KO**

# Optical Sights for Fire Arms



**Optical Sight For Fire Arms  
OS4XL**



**Optical Sight For Fire Arms  
OS6XL**



**Telescopic Optical Sight  
1 OS 8**

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# Collimating Sights for Fire Arms



**Red Dot Sight  
RDS 22**



**Red Dot Sight  
MK 30**



**Red Dot Sight  
QCS 22 UBGL**



**Collimating Sight  
KV-L**



**Collimating Sight  
K10-T**

# Laser Target Designators



**Tactical Laser-  
Flashlight For Pistols  
PCP-2**



**Laser Target Designator  
LTD-Y**



**High Infrared Laser Target  
Designator H1-ILTD-1**



**Red / Infrared Laser Pointer  
And Illuminator OE RIRW4**

# Bore Sighting Devices

<b>Bore-sighting model</b>	<b>Caliber</b>
<b>THP P 7-80</b>	<b>7.62</b>
<b>THP P 7-135</b>	<b>7.62</b>
<b>THP P 7-195</b>	<b>7.62</b>
<b>THP P 12-80</b>	<b>12.65</b>
<b>THP P 12-150</b>	<b>12.65</b>
<b>THP P 14-350</b>	<b>14.49</b>
<b>THP P 23-350</b>	<b>23</b>
<b>THP P 30-515</b>	<b>30</b>
<b>THP P 90-650</b>	<b>90</b>



# Thermal Vision



**Thermal Imaging Riflescope  
TERECON50-640**



**Thermal imaging  
TM 640-19**



**Thermal and Night Vision  
OE-TNF 320**



**Thermal Imaging Riflescope  
TERECON35-640**

# Night Vision



**Night Vision Goggles  
Nirecon**



**Night Vision Goggles  
OENAG**



**Night Vision Goggles  
OE NVG-40**



**Night Vision Goggles  
OE PVS-7**



**Night Vision Monocular  
MNV-50**

# Night Vision



**Night Vision Monocular  
OE PVS-14**



**Night Vision Scope  
NOS4B for SPG 9**



**Night Vision Scope  
NOS4D**



**Night Vision Scope  
NOS6D**

# SWIR



**SWIRECON 100**



**SWIRECON 50**



**SWIRECON 25**



**SWIRECON 14**



**SWIRECON 12,5**

## MAIN APPLICATIONS

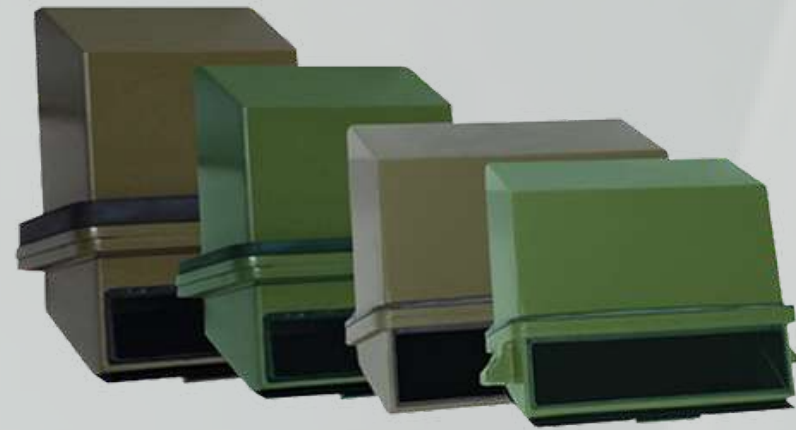
1. Perimeter surveillance
2. Border and Port security
3. Low-light level imaging in the conditions of night glow irradiance.
4. Imaging through fog, dust & etc.
5. 24 hours day and night surveillance
6. 633, 850, 1064 and 1550 nm laser line detection
7. UAVs airborne payload
8. Driver vision enhancement
9. Detecting beacons and covered illumination
10. Muzzle Flash detection
11. Forest fires detection
12. Hostile fire detection system

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## KEY ADVANTAGES

1. Specially designed and coated for high resolution/quality SWIR cameras
2. Athermalized design for harsh environment
3. Compact size and low weight
4. VIS extended spectral band 600-1700 nm
5. Special design for flare removal

# Armored Vehicles Sights



**Periscopes**  
**M-27; PC-1; PO-1; EP-20 ;**  
**EP-27 ; EP-32 ; EP-35 ; EP-45**



**Driver Passive Night Vision**  
**Device TVN-M2**



**Gunner Passive Night**  
**Vision Periscope BRAN**



**MUSON20 T55**



**Commander Night Vision**  
**Device BDIN**

# Armored Vehicles Sights



**OE LRF5 T55**



**Thermal Imaging Device  
TVN-2BT**



**Tank Rangefinder  
OE LRF5 T72**



# **OPTICOELECTRON**

**WE ARE LOOKING FORWARD TO FURTHER FRUITFUL COOPERATION IN  
DEVELOPMENT AND IMPLEMENTATION OF VARIOUS PROJECTS!**

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