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 48 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.

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

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

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

100%
PRIVATE COMPANY

580
EMPLOYEES INCL.

150
HIGH-QUALIFIED ENGINEERS

95%
VOLUME EXPORT

45
COUNTRIES EXPORT
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

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, CaF2, 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

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

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 cutting
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
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
Optical sights for Artillery Systems

**UNIFIED MORTAR SIGHT MUM-706M**

Unified Mortar Sight MUM is designed for sighting 60mm, 81mm, 82mm and 120mm mortars during direct fire and from covered positions as well as for observing the battlefield.

For operation under low visibility conditions (in dusk or night), there is a system for illumination of the scales, included in the sight set.
Optical Sights for Grenade Launchers

- GRENADE LAUNCHER OPTICAL SIGHT PGO-7V
- GRENADE LAUNCHER OPTICAL SIGHT PGO-7VMU
- GRENADE LAUNCHER OPTICAL SIGHT PGO-7VMU WITH NIGHT VISION ATTACHMENT MNV-50
- AUTOMATIC GRENADE LAUNCHER OPTICAL SIGHT MAG-17
- OPTICAL SIGHT FOR GRENADE LAUNCHER SGO 100 3X
- GRENADE LAUNCHER OPTICAL SIGHT SGO-9DA
Gunner Devices and Accessories

- GUNNER COLLIMATOR K-1
- GUNNER QUADRANT KO

Grenade Launcher Containers

- CONTAINER 6G-18 FOR ANTI-TANK DISPOSABLE GRENADE LAUNCHER RPG-22
- CONTAINER DREBG 7 FOR ANTI-TANK DISPOSABLE GRENADE LAUNCHER
Optical Sights for Fire Arms

Optical Sight for Fire Arms OS4XL

Optical Sight for Fire Arms OS6XL

Telescopic Optical Sight 1 OM 8

Telescopic Optical Sight 1 OM 81

Rifle Scopes - Telescopic Optical Sights for Hunting Purpose OM Series
Night Vision sights, Monoculars and Goggles

NIGHT VISION SCOPE NOS4D / NOS4B

NIGHT VISION MONOCULAR MNV-50

NIGHT VISION SCOPE NOS6D

NIGHT VISION MONOCULARS MNV Serie

NIGHT VISION GOGGLES ONV Serie

NIGHT VISION GOGGLES OENAG

NIGHT VISION GOGGLES NIRECON NVG
Collimating Sights and Red Dot Sights

- RED DOT SIGHT RDS 22
- RED DOT SIGHT MK 30
- REDDOT SIGHT QCS 22 UBGL
- COLLIMATING PRISMATIC SIGHT MKP-3
- QUADRANT COLLIMATING SIGHT FOR UNDERBARREL GRENADE LAUNCHER OF “MILKOR” QCS 22-MK
- COLLIMATING SIGHT KV-L
- COLLIMATING SIGHT K10-T
Laser Target Designators and IR Searchlights

- **RED / INFRARED LASER POINTER AND ILLUMINATOR**: OE RIRW4
- **INFRARED LASER TARGET DESIGNATOR**: H1-ILTD-1
- **GREEN LASER TARGET DESIGNATOR**: HGLTD-1
- **RED LASER TARGET DESIGNATOR**: RLTD-1
- **IR LASER TARGET DESIGNATOR**: ILTD-1
- **IR LASER TARGET DESIGNATOR**: HILTD-1
- **RED AND IR LASER TARGET DESIGNATOR**: R&IR ILTD
- **IR FLASHLIGHT AND IR TARGET DESIGNATOR**: PSR-IR
- **TACTICAL LASER FLASHLIGHT FOR PISTOLS**: PCP-2
- **LASER TARGET DESIGNATOR**: LTD-Y SERIES
### 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

### SWIRECON 14
- **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

### SWIRECON 25

### SWIRECON 50

### SWIRECON 100
**Drone Technology**

**SENSORS**

**MAIN SPECIFICATIONS**

1. Carbon fiber frame
2. Carbon fiber propeller
3. Carbon fiber shield
4. Aluminum radiators
5. Brushless motors
6. Carbon fiber legs
7. HD video recorder
8. Brushless gimbal
9. FPV camera
10. Laser radar (LiDAR)
11. Telemetry
12. IP Thermal camera
13. Green and red direction lights
Contact Information

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We are looking forward to further fruitful cooperation in development and implementation of various projects!