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 CLASIFIED 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
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
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
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 battle field.

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

ANTI-AIRCRAFT AUTOMATIC SIGHT ZAP-23

COMBINED GRENADE LAUNCER OPTICAL SIGHT SGL 9MA

ARTILLERY OPTICAL SIGHT OM 4M

COMBINED ARTILLERY OPTICAL SIGHT MBOK-9M

OPTICAL GUN SIGHT 1-OMG-122

PANORAMIC PERISCOPE SIGHT PG-1M
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 COLLIMATOR K-1

GUNNER QUADRANT KO

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

TELESCOPIC OPTICAL SIGHT 1 OM 8
and
TELESCOPIC OPTICAL SIGHT 1 OM 81

OPTICAL SIGHT FOR FIRE ARMS OS6XL

RIFLE SCOPES-TELESCOPIC OPTICAL SIGHTS FOR HUNTING PURPOSE OM SERIES
Collimating Sights and Red Dot Sights

- RED DOT SIGHT RDS 22
- RED DOT SIGHT MK 30
- RED DOT 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

LASER TARGET DESIGNATOR LTD-Y SERIES

TACTICAL LASER FLASHLIGHT FOR PISTOLS PCP-2

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
Thermal Series TERECON

- THERMAL SIGHT TERECON 35
- THERMAL SCOPE TERECON 100
- THERMAL SIGHT / CLIP-ON THERMAL SCOPE TERECON 75S / TERECON 75C

Thermal Imagers

- UNCOOLED THERMAL IMAGER OETHERMO 35FVA
- IP IMAGER OE THERMO IP SERIES
Short Wave Infrared (SWIR) Lenses

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

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
Drone Technology

S.E.N.S.O.R.S

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
Armoured Vehicles

PERISCOPE
M-27, PC-1, PO-1

COMMANDER NIGHT VISION DEVICE
BDIN

GUNNER PASSIVE NIGHT VISION PERISCOPE
BRAN

DRIVER PASSIVE NIGHT VISION DEVICE
TVN-M2
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We are looking forward to further fruitful cooperation in development and implementation of various projects!