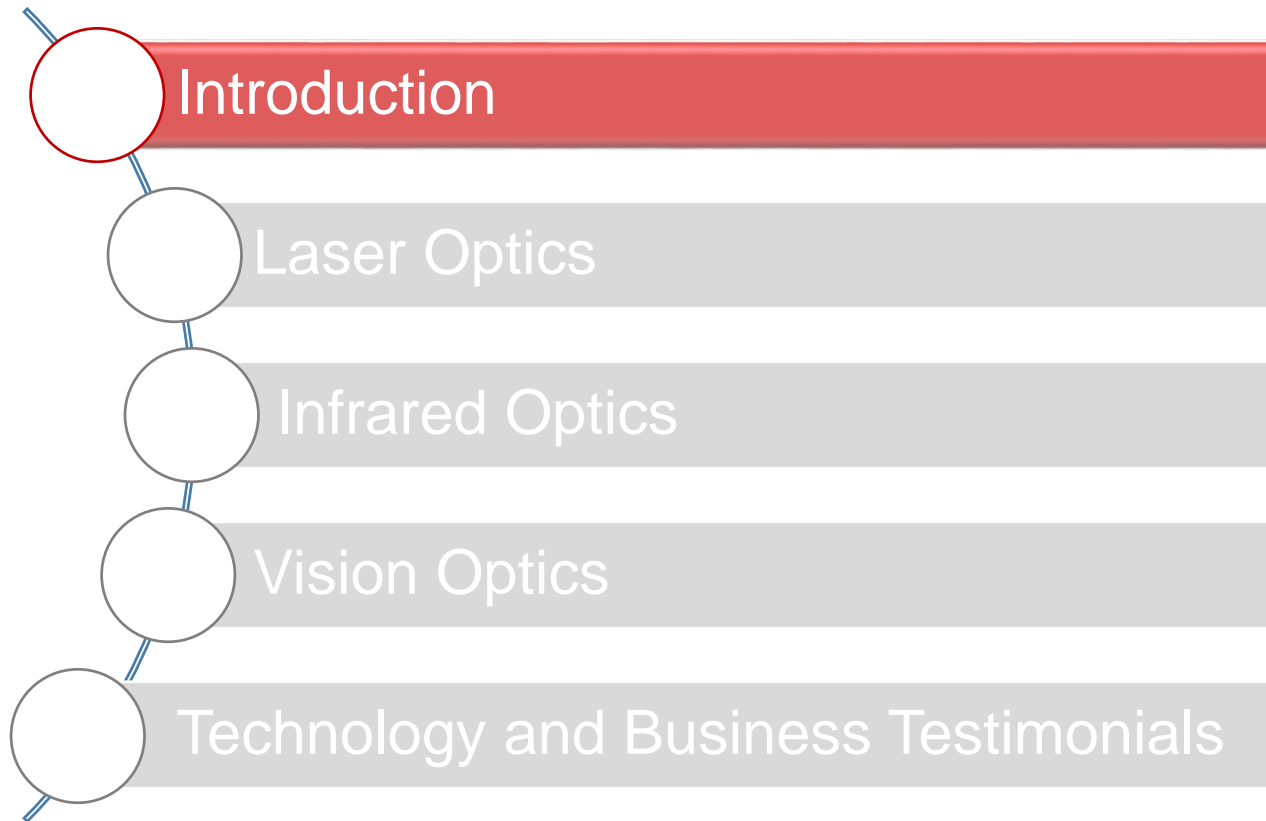




Corporate Presentation 2022



Company Introduction

- Established in August 2002
- ISO9001 certified since 2004
- 550 total staff
- 10,000 m² production footprint
- 1,500 m² cleanroom for class 100k
- 1,000 m² cleanroom for class 10k

Vision

To be the major player
in the global electro-
optical industry

Mission

A global company providing
fully integrated, high quality
and best value electro-
optical solutions

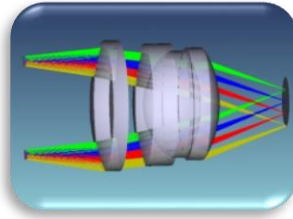
Values

Innovation
Teamwork
Excellence
Customer Focus

Full Solution from Materials to Systems



Optical Material



Optical Design



Optics Manufacturing



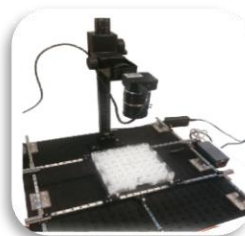
Coating



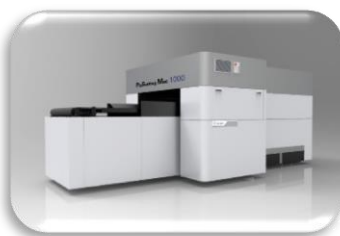
Module Assembly



QA/QC



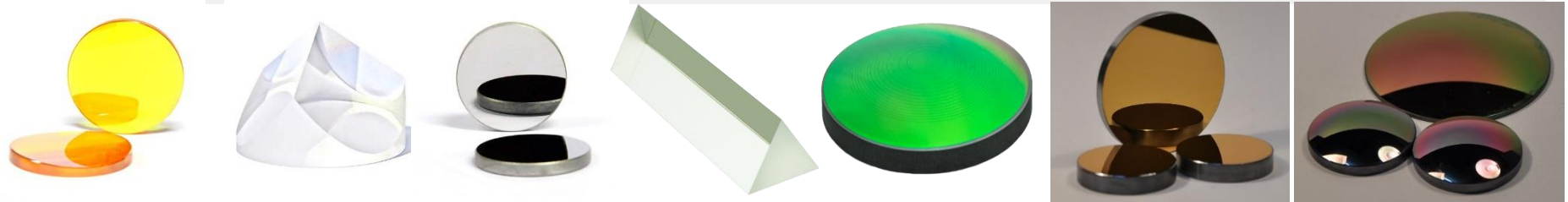
System Prototype



System Integration

Manufacturing Capability

Glass Material	Optical glass , Fused Silica
Crystal Material	ZnSe, ZnS , Ge, GaAs, CaF2, BaF2, MgF2,Si,Sapphire etc.
Metal Material	Cu, Mo, Al
Plastic Material	PMMA ,Acrylic
Diameter Range	0.8mm-400mm
Type of Lens Shapes	Plano, Spheric, Dome, Mirror, Aspheric, Cylindrical, Axicon, Prism, Freeform, Diffraction etc.
Type of Coatings	AR, HR, PR, BC, BS,, Filter For IR optics, AR, HR, PR, Filter, DLC etc
Coating wavelength	193nm – 16um
Best Tolerance	Diameter:+0/-0.02 , Center thickness:±0.02mm , Surface: 10/5, Flatness L/10 , PV0.2(aspheric),Decentering can be <=40"
Customization	Optical Design / Mechanical Design / Opto-Electronic Solution
Quality Management System	ISO9001



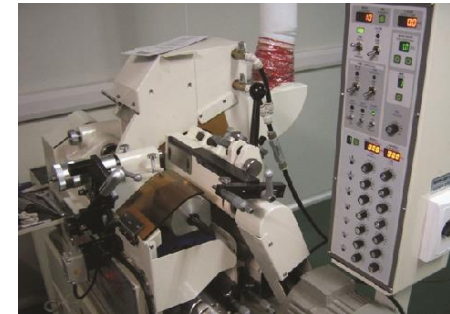
Optical Manufacturing Facility



Lens Polisher
60 units



OptoTech Aspheric Generator
3 units



Edging Generator
6 units



**Nanoform 5-axis
Diamond Turning**
10 units(1 in SG)

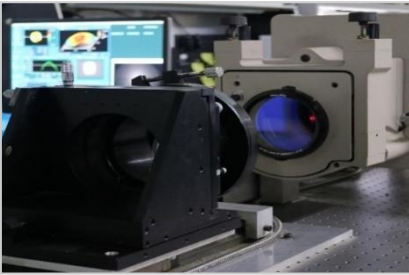


SPS Machine
4 units(2 in SG)



Coating Machine
21 units(1 in SG)
1 IBS coater

Full Range of QA/QC Facility



Interferometer



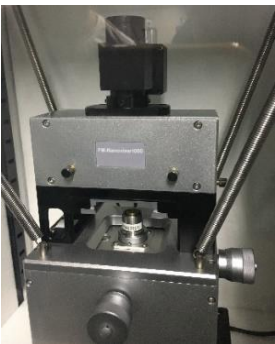
Spectrometer



Focal Meter



Lens MTF Measurement



AFM



Temperature tester



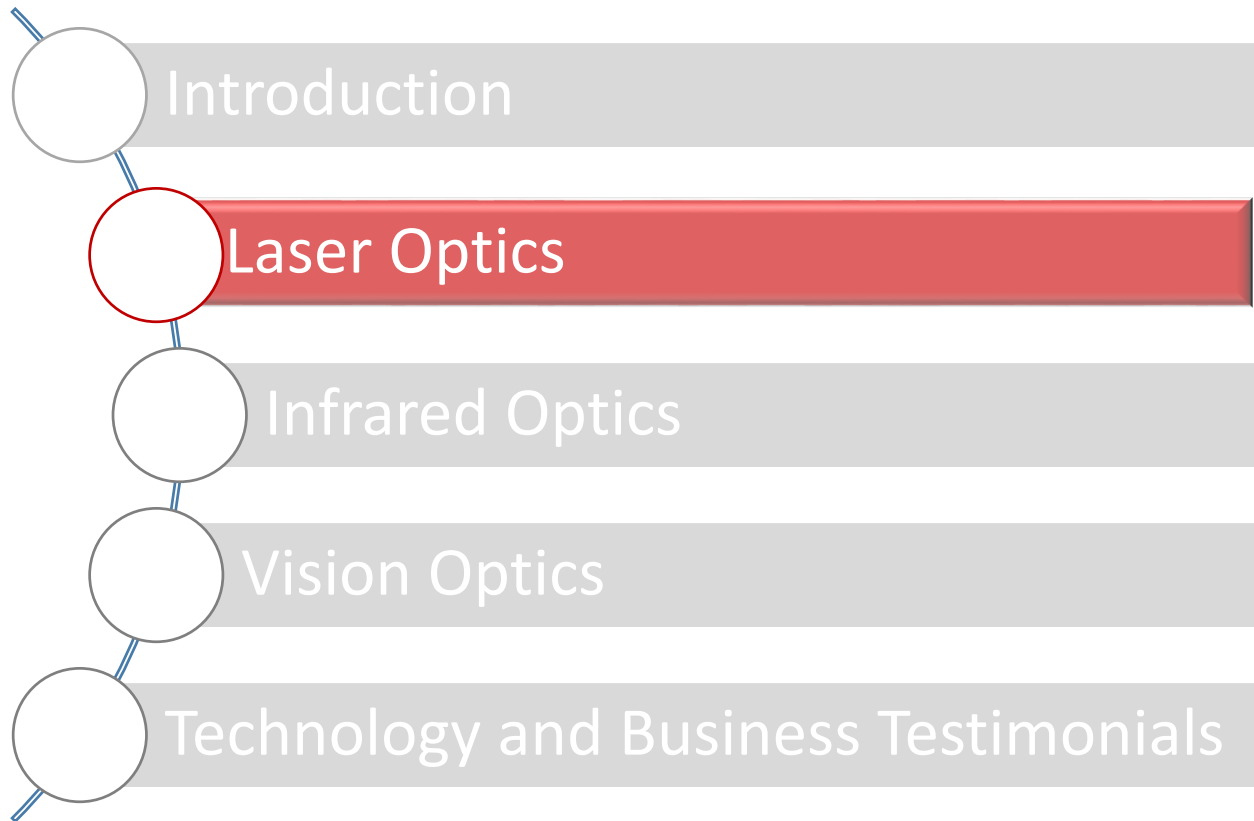
CMM



Profiler



Center Deviation Tester



Key Elements of Laser Optics



F-theta Scan Lens



Telecentric Scan Lens



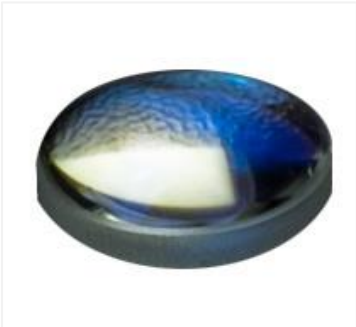
Beam Expander



Beam Shaper



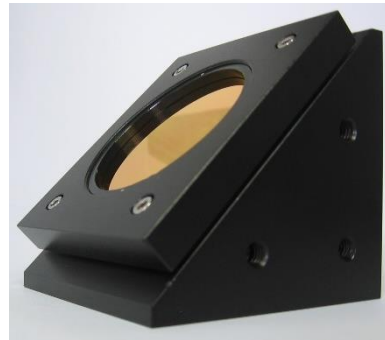
Thin Film Polarizer



Lens



Scanning Mirror

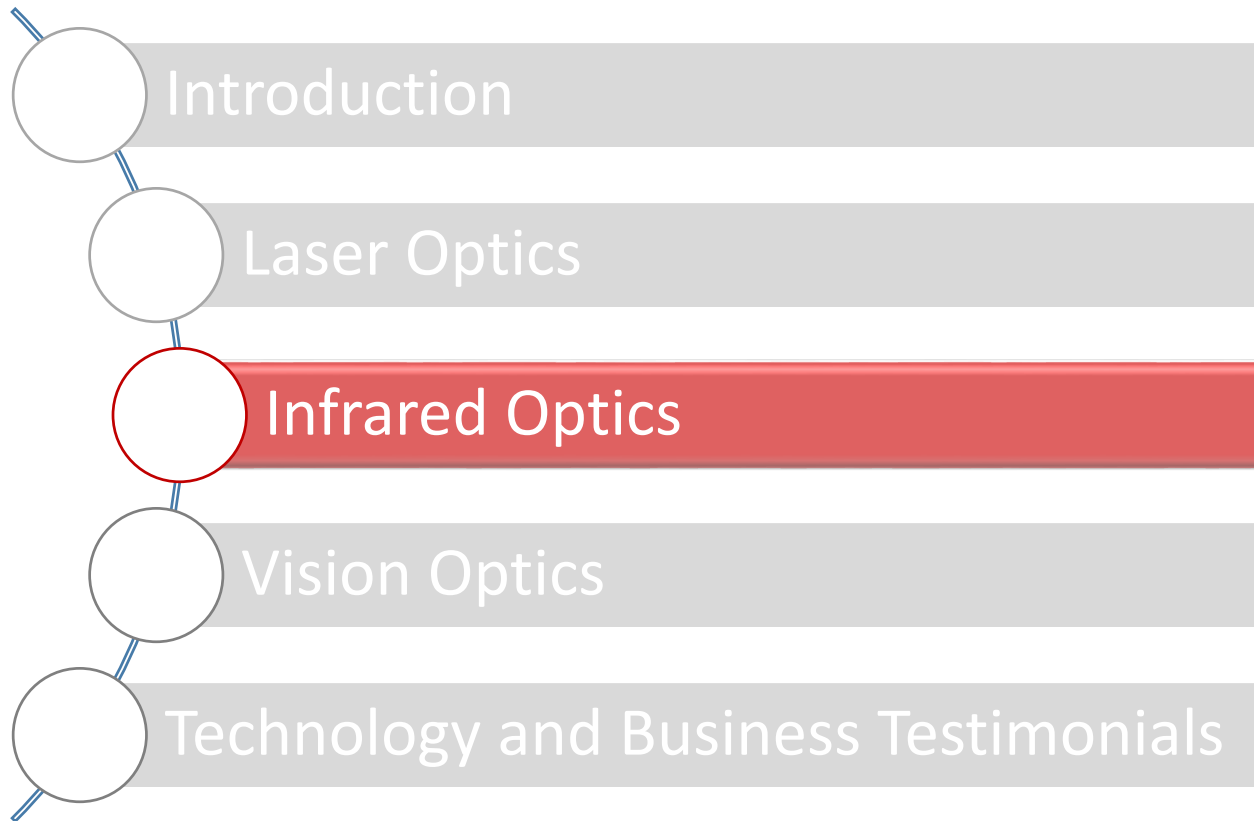


Beam Combiner



Laser Attenuator

(Cylindrical, axicon, aspheric)



Key Elements of Infrared Optics



SWIR 0.9 - 2.3um

MWIR 3 - 5um

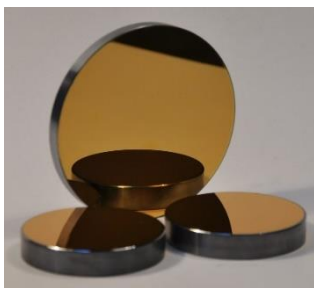
LWIR Lens 8 - 14um

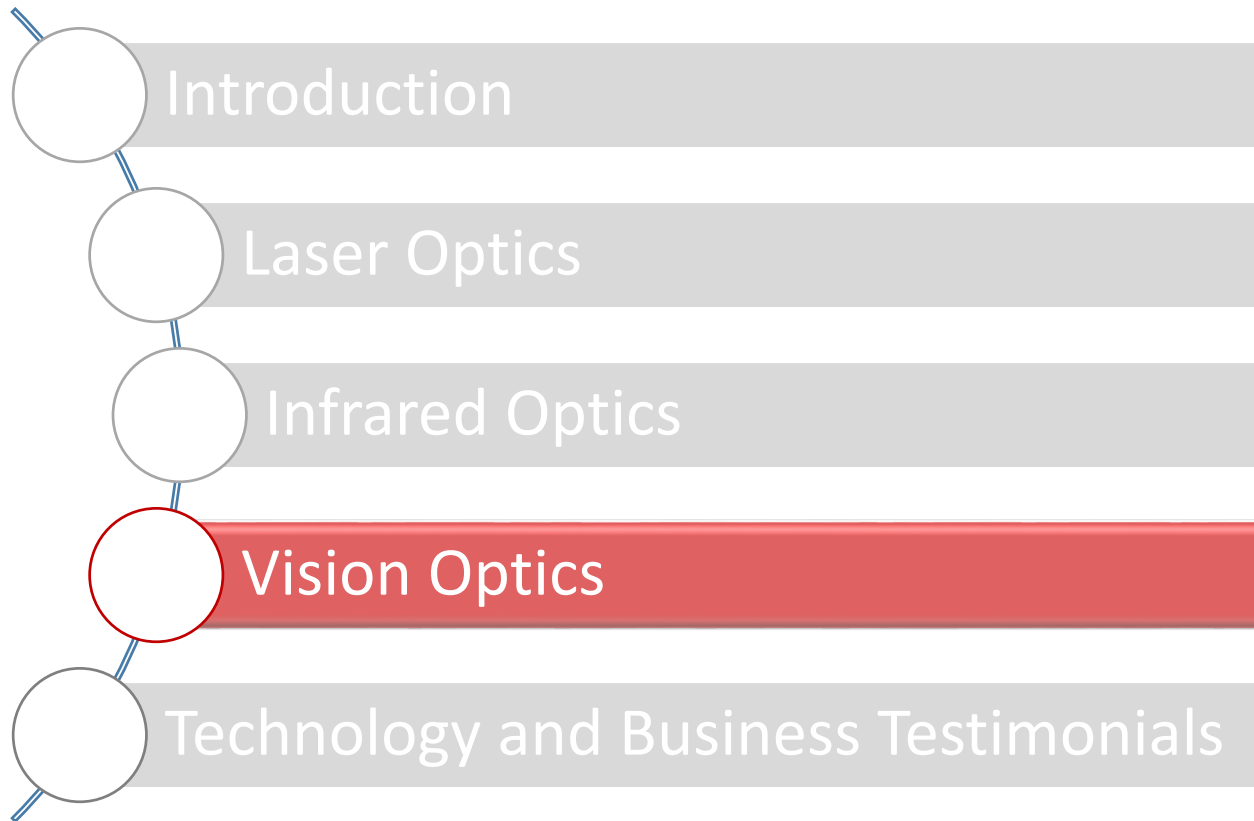
IR Cooled Lens

Double FOV Lens

Motorized

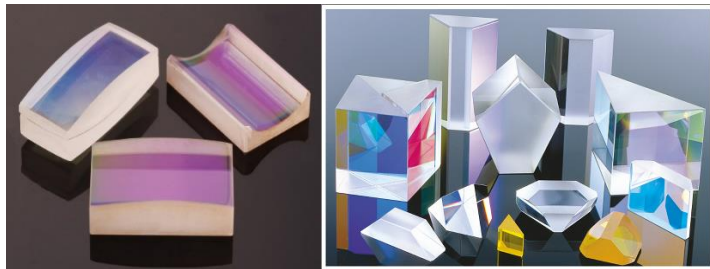
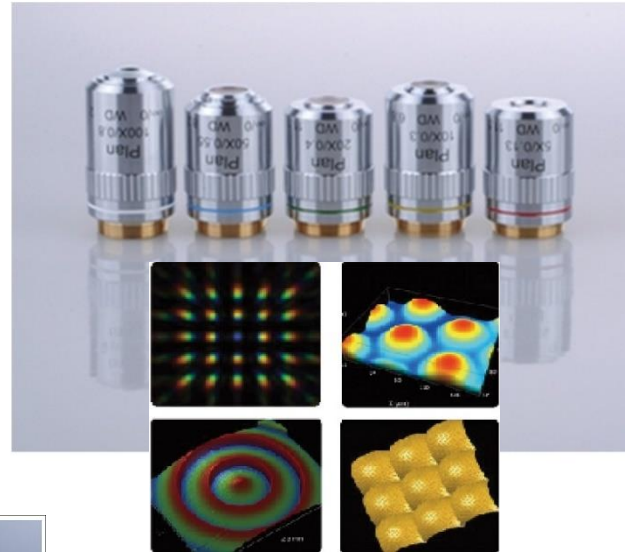
- Ge / GaSi / ZnSe / ZnS / Si Lens
- CaF₂ / BaF₂ / Ge window / Dome
- Aspheric Lens/Diffractive Optics
- DLC Coating
- Band Pass Filter and Long Pass Filter
- Broadband Quarter / Half Wave Plate





Key Elements of Vision Optics

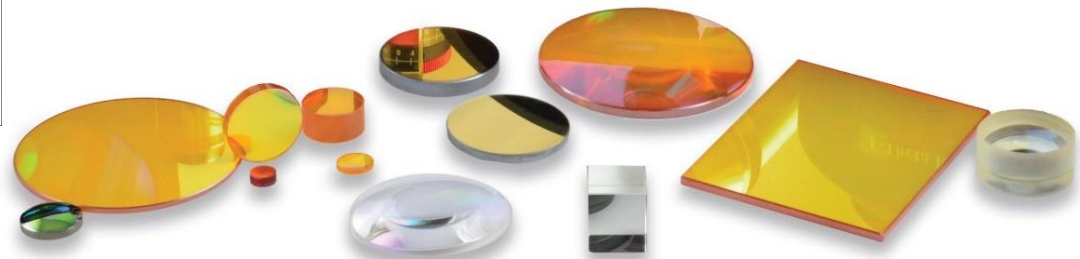
- Cylindrical lens
- Prisms
- Objective Lens
- Tube lens
- Doublet/Triplet
- Filters



Cylinder Lens

Prisms

Diffractive Optical Element (DOE)



Key Elements of Vision Optics

- Ability to design/customize as per customer request

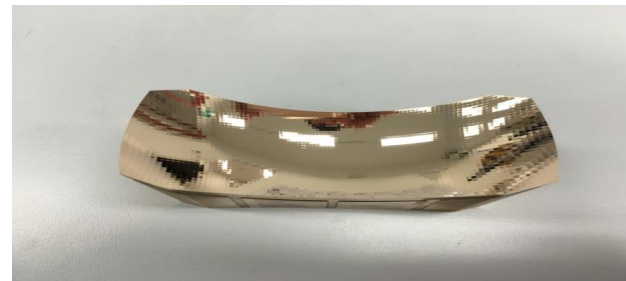
Medical lens



surveillance camera lens



Aspherical & free form lens



TOF Lens



Scan lens



Moulding lens

