

Qioptiq Singapore Pte Ltd

Night Vision



- Lens Assembly Modules
- Night Weapon Sights
- Night Vision Goggles
- Lens Accessories: x3 Magnification x3 and x5 Afocal

Fire Control System & Vehicle Display



- Fire Control Systems
- Tank Driver's Viewer
- Reflex/Aiming sights

Scanning



Lasonar

- 80mm F Theta Lens
- 100mm F Theta Lens
- 160mm F Theta Lens
- 240mm F Theta Lens
- 300mm F Theta Lens

Customised Beam Expanders

Scan Mirrors

Beamsplitter and Lenses for Lasers

Medical & Instrumentation & Life Science



- Custom Lens assemblies
- Custom Optical Components
- Medical Couplers
- Ocular Assemblies
- Toroidal Mirrors
- Aspheric Lens

Projection & Telecoms



- TIR & Philip Prisms
- Condenser Lens
- Integrating Rod (Hollow & Solid)
- PBS Cube, PCA, X Cubes
- UV/IR Cutoff Filters
- Cold and Hot Mirrors
- Dichroic Filters (RGB)

Design / Development

Highly Skilled optical designers, Opto-mechanical and Coating designers.

Optical Design Software:

- Zemax
- Code-V

Coating Design Software:

- Film Star
- TF Calc

Mechanical Design Software:

- Autodesk and Solidworks

Optics Fabrication

Lens

Ø4 ~ Ø250mm
2(0.3) Fringes
0.8 ' CE
SF: 20/10

Aspheric Lens:

SF 3 x 0.25
Profile Error: 1 micron
Slope Angle: 1 arc minute

Prisms & Windows

3x3x3mm ~
240x110x110mm
Flatness: Lambda/20
Angular: 2 arc sec
Pyramidal: 15 arc sec
Roof Angle: 1 arc sec
SF: 20/10

TOROIDS

Ø20mm ~ Ø100mm
R40mm ~ R400mm

Mechanical Components



Precision Machining

Material Type:

Aluminium, brass, Steel stainless steel, plastics.

Job Size:

800mm x 500mm,
Diameter upto 300mm.

Dimensional Accuracy:

+0.02mm to 0.005mm

**COMPONENTS
PER MTH: 180,000**

Assembly



Highly skilled, stable and dedicated workforce.

Defence and civil applications.

Modular assemblies.

System assemblies.

Custom or designed.

**ASSEMBLIES
PER MTH: 16,000**

Metrology / Testing



Sophisticated QC systems and High Tech inspection technologies to ensure ongoing consistent quality output.

Full range of environmental testing machines.