

1. About the Company

1976:

- Started with 4 people in a 1,000 sq ft facility
- Production of high precision flats and prisms for the Scottish laser industry

Today:

- More than 40 employees in a 20,000 sq ft facility
- One of the largest independent optics manufacturers in the UK
- Offering a wide range of optical components



1. About the Company

Product Line:

- Flats, prisms, spherical lenses and cylinders, aspheres, MRF service, sub assembly
- Various glass materials (Schott, Ohara, Hoya, Sumita, CDGM) and quartz
- IR materials: Si, Ge, ZnS, ZnSe, CaF2...
- Coatings available on request



Served Markets: Metrology, military, medical, aerospace, photographic...

Flats and Prisms:

- Various prisms (Porro, Dove, Penta, ...)
- Flats for laser applications, graticules, windows
- 🗯 Flat mirrors
- Various filters
- Modern twin lapping for precise parallelism
- Cementing of parts on request

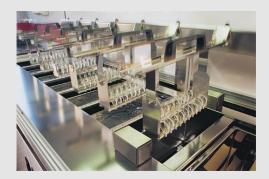




Spherical Lenses:

- Diameters from 2mm to 500mm
- Repeatability to precise tolerances
- CNC edging for complex geometrical forms
- Cementing of parts on request
- Inspection with Zygo type interferometers
- Cleaning with 7 stage ultrasonic





Aspheres from glass and quartz:

- Concave, convex, bi-aspherical
- Diameters from 5mm to 140mm

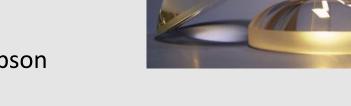
Aspheres from IR materials:

- Concave, convex, bi-aspherical
- Diameters from 2mm to 200mm

Inspection:

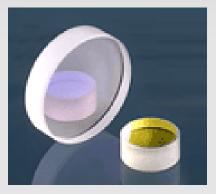
- QED SSIA interferometers or
- tactile systems PGI1250-A from Taylor Hobson





Mirrors:

- Flat: diameters from 4mm to 500mm
- Spherical: diameters from 2mm to 500mm
- Parabolic: diameters from 5mm to 140mm
- Surface quality: Commercial to Laser Grade
- CNC edging for complex geometrical forms





IR Optics:

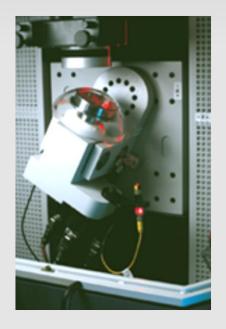
- CO2 optics
- Various prisms and lenses
- Precision filters and flats
- High precision Germanium polishing unit
- Cleaning with 7 stage ultrasonic
- Packed in easy to use boxes





Magnetorheological Finishing (MRF):

- Correction of lenses and plano surfaces
- Sizes up to 200mm diameter
- Quality of Lambda/60 p-v achievable
- Various materials: visible and IR optics
- Every optic tested for quality using Zygo and QED SSIA Interferometer



Sub Assembly Service:

- Assistance with all stages of the design and procurement cycle
- Source of customised components (metalwork, plastics, control circuitry)
- Source of components both locally and globally for short lead times and continuity of supply





3. Contact Spanoptic

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Thank you for your attention.

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