

# COMPANY PROFILE

## Starna Scientific Ltd



Starna scientific

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A dynamic and fully-integrated manufacturing company with a unique range of skills, Starna Scientific Ltd (Starna) is a world-leading supplier of accessories for spectroscopy including Certified Reference Materials, cuvettes, and optical components. Customers include end users, distributors and most established manufacturers of spectrophotometers, fluorimeters and other analytical chemistry instrumentation.

### Traceable CRMs for Instrument Performance Validation (IPV)

With more than forty-five years' experience and continual development, Starna has accumulated a wealth of in-depth knowledge in the production of permanently flame sealed liquid UV/Visible/NIR CRMs, and solid glass or quartz filters. All references are traceable to NIST (USA) or other appropriate NMIs.

Starna CRMs are produced under UKAS accreditation as a Reference Material Producer (ISO 17034 held since 2006)

and as a Calibration Laboratory (ISO/IEC 17025 held since 2001). Pharmacopoeia compliant CRMs are supplied to facilitate IPV according to the latest requirements of all recognised Pharmacopoeias; including the European Pharmacopoeia 10.0 Chapter 2.2.25 and USP Chapter <857>.

Since 1970 Starna has carried out fundamental research and development in polymer and glass material production, to provide unique and bespoke fluorescent references for IPV. These are available for use in a wide range of instruments from reference fluorimeters and microplate readers to point-of-care devices.

The Starna Calibration Laboratory is also able to provide ISO/IEC 17025 certification for many third-party products. All recertifications are routinely processed within five working days from receipt of goods.

### Spectrophotometer, Fluorimeter & UHV Cells

Since the early 1960's when Starna pioneered the technique of fully fusing

both glass and quartz cells/cuvettes by heat alone, an ever-expanding range of spectrophotometer cells have undergone continual improvement and development. This development required the utilisation of a diverse range of skills and disciplines within the production facility, including cutting, grinding, polishing, ultrasonic drilling, fusing, CNC machining; as well as both metalised and multi-layer coating. Traceability is achieved through ISO 9001 process control and documentation.

The wide range of spectrophotometer cells includes standard cuvettes and flow cells with path lengths ranging from 0.01mm to 500mm.

### Optical components

Starna specialises in the manufacture of toroidal, spherical and cylindrical mirrors with reflectivity on metal coatings > 85% down to 150nm in the deep UV, as well as bespoke multi-layer 'V', 'W' & Broad Band coatings developed for UHV and other applications.

## Starna Scientific The Spectroscopy Specialists

### Certified Reference Materials

Deep UV to Infra-red

Fluorescence

Microvolume & microplate

Reference Material Producer - ISO 17034  
 Calibration Laboratory - ISO/IEC 17025

Lifetime Guarantee

Fast re-calibration service

Custom & OEM

### Specialist Optics

Toroid, Plano & Spherical Mirrors

Mirrors Certified for reflectivity

Deep UV coatings

Aluminium, Gold & Multi-layer coatings

### Quality Cells for Quality Results

Fully fused Spectrophotometer cells for all applications

Pathlengths from 0.01mm to 100mm

Far UV & NIR Quartz

Glass & Borosilicate

Customized cells

Competitive Prices



Starna

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