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Award

## **DLSITT1072 - Supply of a Fizeau Interferometer for Diamond Light Source**

DIAMOND LIGHT SOURCE LIMITED

UK6: Contract award notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-060420

Procurement identifier (OCID): ocds-h6vhtk-058a87 ([view related notices](#))

Published 29 September 2025, 11:20am

### **Scope**

### **Reference**

9002631

### **Description**

Located on the Harwell Science and Innovation Campus in Oxfordshire, Diamond Light Source (DLS) is a leading-edge facility for science, engineering and innovation. Diamond allows researchers from academia and industry to investigate the structure and behaviour of the world around us at the atomic and molecular level.

To continue delivering the world-changing science that Diamond enables, the facility is being upgraded to Diamond-II, a co-ordinated programme of development that combines a major machine upgrade with new instruments and complementary improvements to optics, detectors, sample environment and delivery capabilities, and computing, as well as integrated and correlative methods. This will be transformative in speed and spatial resolution and will offer users streamlined access to enhanced instruments for life and physical sciences.

The scope of this contract is to Supply, deliver, install and commission a Fizeau laser interferometer, subject to the performance specification. The specification details the

requirements for a Fizeau interferometer to accurately measure the surface quality of Xray optics for Diamond's beamlines in the Optics Metrology Lab (OML).

The Optics & Metrology group at Diamond requires a Fizeau interferometer with a ~ 150 mm diameter exit laser beam to measure the slope and figure error of synchrotron X-ray

mirrors and crystals. Such optics are manufactured from single-crystal silicon, often with a metallic coating to enhance X-ray reflectivity.

Advances in optical production technology, including ion beam figuring and elastic emission machining, mean that it is now possible to produce X-ray optics with figure errors less than 1 nm rms. To accurately characterise such optics, a measurement tool is required with an accuracy and repeatability.

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## **Contract 1. 9002631 - Supply of a Fizeau Intererometer for Diamond Light Source**

### **Supplier**

- LAMBDA PHOTOMETRICS LIMITED

### **Contract value**

- £213,500 excluding VAT
- £256,200 including VAT

Above the relevant threshold

**Award decision date**

29 September 2025

**Date assessment summaries were sent to tenderers**

29 September 2025

**Standstill period**

- End: 8 October 2025
- 8 working days

**Earliest date the contract will be signed**

9 October 2025

**Contract dates (estimated)**

- 9 October 2025 to 16 March 2026
- 5 months, 8 days

**Main procurement category**

Goods

**CPV classifications**

- 38636000 - Specialist optical instruments

## **Contract locations**

- UKJ14 - Oxfordshire
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## **Information about tenders**

- 2 tenders received
  - 2 tenders assessed in the final stage:
    - 2 submitted by small and medium-sized enterprises (SME)
    - 0 submitted by voluntary, community and social enterprises (VCSE)
  - 1 supplier awarded contracts
  - 1 supplier unsuccessful (details included for contracts over £5 million)
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## **Procedure**

### **Procedure type**

Open procedure

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## **Supplier**

**LAMBDA PHOTOMETRICS LIMITED**

- Companies House: 01332370
- Public Procurement Organisation Number: PLZC-1136-LQGN

Lambda House

Harpenden

AL5 5BZ

United Kingdom

Email: [contact@lambdaphoto.co.uk](mailto:contact@lambdaphoto.co.uk)

Website: <http://www.lambdaphoto.co.uk>

Region: UKH23 - Hertfordshire

Small or medium-sized enterprise (SME): Yes

Voluntary, community or social enterprise (VCSE): No

Supported employment provider: No

Public service mutual: No

Contract 1. 9002631 - Supply of a Fizeau Interferometer for Diamond Light Source

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## **Contracting authority**

### **DIAMOND LIGHT SOURCE LIMITED**

- Companies House: 04375679
- Public Procurement Organisation Number: PNGG-3778-PWBM

Diamond House

Didcot

OX11 0DE

United Kingdom

Email: [procurement@diamond.ac.uk](mailto:procurement@diamond.ac.uk)

Region: UKJ14 - Oxfordshire

Organisation type: Public authority - central government