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Contract

Mira 3 SEM X-ray detection system upgrade

University of Northumbria at Newcastle

UK7: Contract details notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2026/S 000-007726

Procurement identifier (OCID): ocds-h6vhtk-061139

Published 28 January 2026, 4:05pm

Scope

Description

Northumbria University requires upgrade and replacement of X-ray detection hardware and software for existing Tescan Mira 3GM SEM. Updating the detectors with the last generation sensors will ensure future support and repairability in the next 10 years. This contract covers the provision of high-resolution X-ray detectors (EDS), integrated signal processing electronics, and the associated proprietary software suite. The procurement is a technical upgrade to the existing Tescan Mira 3GM Scanning Electron Microscope (SEM). It ensures the replacement of obsolete components with current-generation technology to maintain the instrument's analytical capabilities and structural integrity.

Proprietary Integration: The existing Tescan Mira 3GM architecture uses a specific interface and software kernel owned by Oxford Instruments. Only Oxford Instruments can provide detectors that are natively compatible with this system without requiring unverified and high-risk modifications to the microscope's vacuum chamber and electronic bus.

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<https://www.delta-esourcing.com/delta/viewNotice.html?noticeId=1010164284>

Contract 1

Supplier

- Oxford Instruments NanoTechnology Tools Ltd

Contract value

- £92,911 including VAT

Below the relevant threshold

Date signed

19 December 2025

Contract dates

- 16 February 2026 to 18 May 2026
- 3 months, 3 days

Main procurement category

Goods

CPV classifications

- 38511100 - Scanning electron microscopes
- 38947000 - X-ray microanalysers
- 48461000 - Analytical or scientific software package

Contract locations

- UKC - North East (England)

Procedure

Procedure type

Below threshold - without competition

Supplier

Oxford Instruments NanoTechnology Tools Ltd

Oxford Instruments, Halifax Road

High Wycombe

HP12 3SE

United Kingdom

Email: Paul.Edwards@oxinst.com

Region: UKJ13 - Buckinghamshire CC

Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Contract 1

Contracting authority

University of Northumbria at Newcastle

- Public Procurement Organisation Number: PNBP-4638-XHJP

Sutherland Building, College Street

Newcastle upon Tyne

NE1 8ST

United Kingdom

Contact name: Laura Rizaeva

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Region: UKC22 - Tyneside

Organisation type: Public authority - sub-central government

