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Tender

4950.AM.GM - Laser Wire Directed Energy Deposition (Lw-DED) System

UNIVERSITY OF SHEFFIELD

UK4: Tender notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2026/S 000-005834

Procurement identifier (OCID): ocds-h6vhtk-060c6d

Published 22 January 2026, 2:53pm

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Scope

Description

4950.AM.GM Laser Wire Directed Energy Deposition (Lw-DED) System

The University of Sheffield wishes to invite tenders for a Laser Wire Directed Energy Deposition (Lw-DED) System on behalf of the Advanced Manufacturing Research Centre, North West.

Scope of Requirement

The proposed investment in a laser wire Directed Energy Deposition (Lw-DED) system would represent a complementary capability, rather than a duplication of existing infrastructure. A laser wire DED platform would enable lower heat input compared with wire-arc systems, improved dimensional accuracy, precise repair applications and wide range of material processing capability, including refractory materials.

The addition of a Lw-DED system would significantly enhance AMRC's additive manufacturing capability by enabling coverage across the full spectrum of DED

processes, from high deposition rate applications to highly-controlled, precise deposition. This would strengthen the AMRC ability to support process development and accelerate the industrial adoption of DED technologies.

Tender Process and Documentation:

This procurement is an open procedure conducted in accordance with the Procurement Act 2023.

The ITT can be downloaded by registering and expressing your interest on the University's e-tendering system <https://in-tendhost.co.uk/Sheffield>

If you have any questions or comments in relation to this tender they must be submitted via the In-tend System, this can be accessed at <https://in-tendhost.co.uk/Sheffield>

Completed tenders must be returned through the same e-tendering system.

Closing date for receipt of tenders: Monday February 16, 2026 at 12 noon (UK time).

Total value (estimated)

- £248,000 excluding VAT
- £310,000 including VAT

Above the relevant threshold

Contract dates (estimated)

- 4 March 2026 to 31 July 2026
- 4 months, 28 days

Main procurement category

Goods

CPV classifications

- 38636100 - Lasers
- 38636110 - Industrial lasers
- 42000000 - Industrial machinery
- 42610000 - Machine tools operated by laser and machining centres
- 43700000 - Machinery for metallurgy and associated parts

Contract locations

- UKE - Yorkshire and the Humber

Submission

Tender submission deadline

16 February 2026, 12:00pm

Submission address and any special instructions

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Tenders may be submitted electronically

Yes

Languages that may be used for submission

English

Award decision date (estimated)

23 February 2026

Award criteria

Name	Description	Type	Weighting
Quality	75%	Quality	75%
price	25%	Price	25%

Other information

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Open procedure

Documents

Associated tender documents

<https://in-tendhost.co.uk/Sheffield>

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Contracting authority

UNIVERSITY OF SHEFFIELD

- Companies House: RC000667

Firth Court, Western Bank

Sheffield

S10 2TN

United Kingdom

Contact name: Ghulam Mujtaba

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Website: <https://www.sheffield.ac.uk/>

Region: UKE32 - Sheffield

Organisation type: Public authority - sub-central government