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Contract

## **Short Pulse Laser**

UNIVERSITY OF SHEFFIELD

F03: Contract award notice

Notice identifier: 2025/S 000-000504

Procurement identifier (OCID): ocds-h6vhtk-049c36

Published 8 January 2025, 1:22pm

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

UNIVERSITY OF SHEFFIELD

WESTERN BANK

SHEFFIELD

S102TN

#### **Contact**

Rachel Hirst

#### **Email**

[r.e.hirst@sheffield.ac.uk](mailto:r.e.hirst@sheffield.ac.uk)

#### **Telephone**

+44 1142157590

#### **Country**

United Kingdom

**Region code**

UKE32 - Sheffield

**Companies House**

RC000667

**Internet address(es)**

Main address

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

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

Education

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Short Pulse Laser

Reference number

4232/AMRC/RH/24

#### **II.1.2) Main CPV code**

- 42000000 - Industrial machinery

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

4232/AMRC/RH/24 - Short Pulse Laser

The University of Sheffield wishes to invite tenders for a Short Pulse Laser on behalf of the

Advanced Manufacturing Research Centre Factory 2050, Sheffield Business Park,  
Europa

Avenue, Sheffield, S9 1ZA

The Advanced Manufacturing Research Centre (AMRC) are looking to replace their SPI redPOWER QUBE 2kW continuous-wave laser currently located at Factory 2050. The main

application of this new laser will be further cutting trials with thin sheets of electrical steel for the production of electrical machine laminations, initially to produce perforations.

A remote laser cutting is being investigated as an alternative to traditional gantry-mounted fusion laser cutting. The perceived benefits of this method of cutting are that the cut rate is

increased (the scanner is capable of speeds of up to 8,000 mm/s) and that the thermal damage (measured in terms of electromagnetic performance, not physical material properties) is reduced, both with reference to the traditional fusion cutting baseline. Materials being investigated are high-silicon steel (e.g. NO20) and cobalt iron (e.g. Hiperco50 - 49% cobalt content). Sheet thicknesses could range from 0.35 mm down to 0.1 mm.

#### Tender Process and Documentation:

This procurement is an open procedure.

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: 21st October 2024 at 12 noon (UK time).

#### **II.1.6) Information about lots**

This contract is divided into lots: No

#### **II.1.7) Total value of the procurement (excluding VAT)**

Value excluding VAT: £250,000

### **II.2) Description**

#### **II.2.2) Additional CPV code(s)**

- 38636100 - Lasers

- 38636110 - Industrial lasers

### **II.2.3) Place of performance**

NUTS codes

- UKE - Yorkshire and the Humber

Main site or place of performance

AMRC Factory 2050, Sheffield Business Park, Europa Avenue, Sheffield, S9 1ZA

### **II.2.4) Description of the procurement**

4232/AMRC/RH/24 - Short Pulse Laser

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#### **II.2.5) Award criteria**

Quality criterion - Name: Scope and specification / Weighting: 80

Price - Weighting: 20

#### **II.2.11) Information about options**

Options: No

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## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.1) Type of procedure**

Open procedure

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: No

### **IV.2) Administrative information**

#### **IV.2.1) Previous publication concerning this procedure**

Notice number: [2024/S 000-029996](#)

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## **Section V. Award of contract**

### **Title**

Short Pulse Laser

A contract/lot is awarded: Yes

### **V.2) Award of contract**

#### **V.2.1) Date of conclusion of the contract**

7 January 2025

#### **V.2.2) Information about tenders**

Number of tenders received: 3

Number of tenders received by electronic means: 3

The contract has been awarded to a group of economic operators: No

#### **V.2.3) Name and address of the contractor**

IPG PHOTONICS (UK) LIMITED

Hawkfield Business Park

Bristol

BS14 0BY

Country

United Kingdom

NUTS code

- UK - United Kingdom

Companies House

04132272

The contractor is an SME

No

#### **V.2.4) Information on value of contract/lot (excluding VAT)**

Initial estimated total value of the contract/lot: £250,000

Total value of the contract/lot: £193,171.79

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## **Section VI. Complementary information**

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

University of Sheffield

Sheffield

Country

United Kingdom