This is a published notice on the Find a Tender service: <a href="https://www.find-tender.service.gov.uk/Notice/000504-2025">https://www.find-tender.service.gov.uk/Notice/000504-2025</a>

#### 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

## **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

# **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 etendering

system <a href="https://in-tendhost.co.uk/Sheffield">https://in-tendhost.co.uk/Sheffield</a>

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 <a href="https://in-tendhost.co.uk/Sheffield">https://in-tendhost.co.uk/Sheffield</a>

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

# 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: <u>2024/S 000-029996</u>

## 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