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Tender

## **Micro Transfer Printing System**

UNIVERSITY OF SHEFFIELD

F02: Contract notice

Notice identifier: 2022/S 000-028295

Procurement identifier (OCID): ocds-h6vhtk-037407

Published 7 October 2022, 3:46pm

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

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

UNIVERSITY OF SHEFFIELD

Western Bank

SHEFFIELD

S102TN

#### **Contact**

David Middle

#### **Email**

[dave.middle@sheffield.ac.uk](mailto:dave.middle@sheffield.ac.uk)

#### **Telephone**

+44 1142221560

#### **Country**

United Kingdom

**Region code**

UKE32 - Sheffield

**Charity Commission (England and Wales)**

X1089

**Internet address(es)**

Main address

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

Buyer's address

<https://in-tendhost.co.uk/sheffield/aspx/Home>

**I.3) Communication**

The procurement documents are available for unrestricted and full direct access, free of charge, at

<https://in-tendhost.co.uk/sheffield/aspx/Home>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://in-tendhost.co.uk/sheffield/aspx/Home>

Tenders or requests to participate must be submitted to the above-mentioned address

**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**

Micro Transfer Printing System

Reference number

3509/DM/22

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

- 31712000 - Microelectronic machinery and apparatus and microsystems

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

Supplies

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

The EPSRC National Epitaxy Facility (NEF) at the University of Sheffield supplies a wide range of III-V semiconductor materials and devices primarily to the UK academic research community. The NEF also engages in significant activity researching and developing new materials and structures. A key direction in this area is the heterogeneous integration of III-V and silicon based photonic and opto-electronic devices.

For this purpose the NEF requires a full, turn-key micro transfer printing (MTP) system suitable for highly-accurate, large-scale, parallel transfer of devices from a source wafer to a target wafer. This system must meet all the essential technical requirements set out within the tender documents.

#### **II.1.5) Estimated total value**

Value excluding VAT: £650,000

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

This contract is divided into lots: No

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

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

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

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

NUTS codes

- UKE32 - Sheffield

Main site or place of performance

Centre for Nanoscience and Technology, The EPSRC National Epitaxy Facility (NEF)

At The University of Sheffield

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

It is essential that the tool is easily configured to accommodate all standard wafer sizes up to 6 inch, and that the placement accuracy is +/- 2?m or better. The system must also come with at least 3 application-specific stamps. These can be collaboratively developed with NEF staff once the order for the tool is placed.

Technical capabilities that extend beyond the minimum essential specifications would be welcomed where possible. Of particular interest is training and support to enable the EPSRC NEF to produce their own custom-designed application-specific stamps. Higher level of automation of the process is also desirable, including automatic cleaning of stamps and alignment of source and target patterns during transfer-printing.

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

Price is not the only award criterion and all criteria are stated only in the procurement documents

### **II.2.6) Estimated value**

Value excluding VAT: £650,000

### **II.2.7) Duration of the contract, framework agreement or dynamic purchasing system**

Start date

2 January 2023

End date

30 November 2023

This contract is subject to renewal

No

#### **II.2.10) Information about variants**

Variants will be accepted: Yes

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

Options: Yes

Description of options

As described within the tender documents

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### **Section III. Legal, economic, financial and technical information**

#### **III.1) Conditions for participation**

##### **III.1.2) Economic and financial standing**

Selection criteria as stated in the procurement documents

##### **III.1.3) Technical and professional ability**

Selection criteria as stated in the procurement documents

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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: Yes

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

#### **IV.2.2) Time limit for receipt of tenders or requests to participate**

Date

7 November 2022

Local time

1:00pm

#### **IV.2.4) Languages in which tenders or requests to participate may be submitted**

English

#### **IV.2.7) Conditions for opening of tenders**

Date

8 November 2022

Local time

12:00pm

Place

The University of Sheffield, Finance Department

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## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **VI.2) Information about electronic workflows**

Electronic ordering will be used

Electronic invoicing will be accepted

Electronic payment will be used

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

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

The University of Sheffield

Sheffield

S10 2TN

Country

United Kingdom