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Tender

Supply, Delivery and Installation of Sinter Bonding Capability

University of Strathclyde

F02: Contract notice

Notice identifier: 2025/S 000-083991

Procurement identifier (OCID): ocds-h6vhtk-05f82e

Published 17 December 2025, 3:52pm

Section I: Contracting authority

I.1) Name and addresses

University of Strathclyde

Learning & Teaching Building, 49 Richmond Street

Glasgow

G1 1XU

Contact

Anna Sanina

Email

anna.sanina@strath.ac.uk

Telephone

+44 7811592949

Country

United Kingdom

NUTS code

UKM82 - Glasgow City

Internet address(es)

Main address

<http://www.strath.ac.uk/>

Buyer's address

https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA00113

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

I.3) Communication

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

<https://www.publictendersscotland.publiccontractsscotland.gov.uk/esop/pts-host/public/pts/web/login.html>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://www.publictendersscotland.publiccontractsscotland.gov.uk/esop/pts-host/public/pts/web/login.html>

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

Supply, Delivery and Installation of Sinter Bonding Capability

Reference number

UOS-39043-2025

II.1.2) Main CPV code

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.1.3) Type of contract

Supplies

II.1.4) Short description

National Manufacturing Institute Scotland (NMIS) is in the process of expanding its manufacturing capability into the semiconductor advanced packaging area with specific focus on power electronic semiconductors. To support this expansion, NMIS intends to procure equipment that is flexible to support a wide variety of power electronic semiconductor designs and packaging requirements. A solution is required to form sintered bonds between: dies on substrates in multi-die packages with different component heights; substrates on heat sinks; clips, spacers and interconnection parts; double-sided cooling packages.

II.1.5) Estimated total value

Value excluding VAT: £900,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKM82 - Glasgow City

II.2.4) Description of the procurement

NMIS is in the process of expanding its manufacturing capability into the semiconductor advanced packaging area with specific focus on power electronic semiconductors. To support this expansion, NMIS intends to procure equipment that is able to support a wide variety of power electronic semiconductor designs and packaging requirements.

The concept design for the facility includes provision of equipment that is sufficiently flexible to support a wide variety of power electronic semiconductor designs and packaging requirements. The items procured will enable NMIS to set up a research facility for developing and scaling-up advanced packaging capabilities for power electronic semiconductors. The overall facility will have capability to prepare, dice/cut, bond, interconnect, package and test semiconductor products that are part of the power electronics sector. These stages will be carried out across dedicated research and development cells.

The focus of this procurement activity is to acquire a sinter bonding press that is versatile to support both R&D activities and medium volume production.

In the R&D context we require a capability that allows flexible exploration of tooling to achieve different package arrangements, while keeping tool costs at a minimum.

In the medium scale production context we require a capability that includes automated handling solutions such that it can be fed by a magazine unstacker, and can feed a magazine stacker.

In either context we require the ability to form bonds under inert atmosphere or forming gas, control the pre-heating and post-cooling ramp profile of sinter bonded assemblies and collect detailed sensor-driven time-histories of temperature and pressure for each bonding operation.

II.2.5) Award criteria

Quality criterion - Name: Quality / Weighting: 50

Price - Weighting: 50

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

Duration in months

This contract is subject to renewal

Yes

Description of renewals

12 months (if required maintenance and warranty)

II.2.10) Information about variants

Variants will be accepted: No

II.2.11) Information about options

Options: Yes

Description of options

The Contracting Authority reserves the right to request additional deliveries by the successful Tenderer, either intended as partial replacement of supplies or installations or as extensions of existing supplies and installations. The Contracting Authority may at its sole discretion exercise this option.

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.2) Economic and financial standing

List and brief description of selection criteria

4B 1.2 Turnover

Bidders will be required to have an average yearly turnover of a minimum of GBP1,800,000 GBP for the last 3 (three) years, to ensure the University is protected from any unforeseen financial risks that may impact the supplier or supply chain.

Minimum level(s) of standards possibly required

4B.5.1- 4B5.3 Insurances

Insurance requirements are in line with levels identified in the UOS standard Terms and Conditions.

It is a requirement of this contract that bidders can hold or commit to obtain prior to the commencement of any subsequently awarded contract, the types of insurance indicated below:

The Contractor shall maintain in force with reputable insurers

Employer's (Compulsory) Liability Insurance = GBP10m

Public and Product Liability Insurance = GBP10m

Professional Risk Indemnity Insurance = GBP2m

In respect of any one incident and unlimited as to numbers of claims

III.1.3) Technical and professional ability

List and brief description of selection criteria

4C.1.2 Previous Experience

Bidders will be required to provide three (3) examples that demonstrate that they have the relevant experience to deliver the equipment as stated in the Contract Notice.

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

26 January 2026

Local time

12:00pm

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

English

IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Duration in months: 4 (from the date stated for receipt of tender)

IV.2.7) Conditions for opening of tenders

Date

26 January 2026

Local time

12:00pm

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.3) Additional information

The buyer is using PCS-Tender to conduct this ITT exercise. The Project code is 30834.
For more information see:

<http://www.publiccontractsscotland.gov.uk/info/InfoCentre.aspx?ID=2343>

Community benefits are included in this requirement. For more information see:
<https://www.gov.scot/policies/public-sector-procurement/community-benefits-in-procurement/>

A summary of the expected community benefits has been provided as follows:

Please see Procurement documents for full details

(SC Ref:818603)

The buyer is using PCS-Tender to conduct this ITT exercise. The Project code is 30834.
For more information see:

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(SC Ref:818603)

VI.4) Procedures for review

VI.4.1) Review body

Glasgow Sheriff Court

1 Carlton Place

Glasgow

G5 9TW

Country

United Kingdom