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Planning

Supply, Delivery and Installation Sinter Bonding Capability

University of Strathclyde

F01: Prior information notice

Prior information only

Notice identifier: 2025/S 000-066666

Procurement identifier (OCID): ocds-h6vhtk-05cfa9

Published 20 October 2025, 12:20pm

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

Additional information can be obtained from the above-mentioned address

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 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.1.6) 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.3) Estimated date of publication of contract notice

5 November 2025

Section IV. Procedure

IV.1) Description

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

The procurement is covered by the Government Procurement Agreement: Yes

Section VI. Complementary information

VI.3) Additional information

The deadline for expressing interest to this PIN is 27th October 2025.

NOTE: To register your interest in this notice and obtain any additional information please visit the Public Contracts Scotland Web Site at

https://www.publiccontractsscotland.gov.uk/Search/Search_Switch.aspx?ID=813517.

(SC Ref:813517)