

377893-2026 - Competition

Switzerland – Laboratory, optical and precision equipments (excl. glasses) – Integrated UHV Cluster for Pulsed Laser Deposition and Sputtering of Thin Films

OJ S 104/2026 02/06/2026

Contract or concession notice – standard regime

Supplies

1. Buyer

1.1. Buyer

Official name: ETH Zürich - Abt. Procurement & Export Services

Email: publictender@ethz.ch

Legal type of the buyer: Body governed by public law

Activity of the contracting authority: Education

2. Procedure

2.1. Procedure

Title: Integrated UHV Cluster for Pulsed Laser Deposition and Sputtering of Thin Films

Description: The Laboratory of Inorganic Chemistry at ETH Zurich plans to procure an integrated UHV cluster for pulsed laser deposition and sputtering of heterostructures containing oxide and metallic layers. The system will enable materials synthesis on oxide substrates up to 10 x 10 mm² in area. It shall comprise a PLD chamber, a sputtering chamber, a central UHV transfer/handling chamber, and a load-lock for sample and PLD target-carousel exchange without venting the process chambers. All chambers must have base pressures below 1 x 10⁻⁷ mbar. The PLD chamber must include a KrF excimer laser, in-situ high-pressure RHEED and be suitable for routine high-temperature epitaxial oxide growth around 1100 °C. The sputtering chamber must allow DC and RF magnetron sputtering of metallic and oxide layers, including reactive sputtering in Ar/O# atmospheres, with substrate heating up to at least 700 °C using a carrier concept compatible with PLD. The system must allow sample transfer to an external UHV vacuum suitcase, and retain UHV-compatible ports for future expansion of the cluster. Further details see specification document.

Procedure identifier: 13dcfc3d-4f30-4783-ab35-fef4567ee680

Type of procedure: Open

The procedure is accelerated: no

2.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

2.1.2. Place of performance

Town: Zürich ETH Hönggerberg

Postcode: 8093

Country subdivision (NUTS): Zürich (CH040)

Country: Switzerland

2.1.4. General information

Additional information: Other requirements The project's readiness for procurement and the availability of credits remain reserved.

Legal basis:

Directive 2014/24/EU

2.1.6. Grounds for exclusion

Sources of grounds for exclusion: Procurement Document

5. Lot

5.1. Lot: LOT-0000

Title: Integrated UHV Cluster for Pulsed Laser Deposition and Sputtering of Thin Films

Description: The Laboratory of Inorganic Chemistry at ETH Zurich plans to procure an integrated UHV cluster for pulsed laser deposition and sputtering of heterostructures containing oxide and metallic layers. The system will enable materials synthesis on oxide substrates up to 10 x 10 mm² in area. It shall comprise a PLD chamber, a sputtering chamber, a central UHV transfer/handling chamber, and a load-lock for sample and PLD target-carousel exchange without venting the process chambers. All chambers must have base pressures below 1 x 10⁻⁷ mbar. The PLD chamber must include a KrF excimer laser, in-situ high-pressure RHEED and be suitable for routine high-temperature epitaxial oxide growth around 1100 °C. The sputtering chamber must allow DC and RF magnetron sputtering of metallic and oxide layers, including reactive sputtering in Ar/O₂ atmospheres, with substrate heating up to at least 700 °C using a carrier concept compatible with PLD. The system must allow sample transfer to an external UHV vacuum suitcase, and retain UHV-compatible ports for future expansion of the cluster. Further details see specification document.

5.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

Options:

Description of the options: according to tender documents

5.1.2. Place of performance

Town: Zürich ETH Hönggerberg

Postcode: 8093

Country subdivision (NUTS): Zürich (CH040)

Country: Switzerland

5.1.3. Estimated duration

Other duration: Unknown

5.1.4. Renewal

Maximum renewals: 0

5.1.6. General information

Reserved participation:

Participation is not reserved.

The names and professional qualifications of the staff assigned to perform the contract must be given: Not yet known

Procurement Project not financed with EU Funds.

The procurement is covered by the Government Procurement Agreement (GPA): yes

5.1.9. Selection criteria

Sources of selection criteria: Procurement Document

5.1.10. Award criteria

Criterion:

Type: Quality

Description: Award criteria

Description of the method to be used if weighting cannot be expressed by criteria: The award criteria are defined in the documentation.

5.1.11. Procurement documents

Access to certain procurement documents is restricted

Information about restricted documents is available at: <https://www.simap.ch/de/redirect?context=eyJwYWdlIjoicHJvamVjdCIsInJvbGUiOm51bGwslm9yZ0lkIjpudWxsLCJwcm9qZWNOZWQ>

Ad hoc communication channel:

Name: Simap.ch

5.1.12. Terms of procurement

Terms of submission:

Electronic submission: Allowed

Address for submission: <https://www.simap.ch/de/redirect?context=eyJwYWdlIjoicHJvamVjdCIsInJvbGUiOm51bGwslm9yZ0lkIjpudWxsLCJwcm9qZWNOZWQ>

Languages in which tenders or requests to participate may be submitted: English

Electronic catalogue: Not allowed

Variants: Allowed

Tenderers may submit more than one tender: Not allowed

Deadline for receipt of tenders: 12/07/2026 18:00:00 (UTC+02:00) Eastern European Time, Central European Summer Time

Duration during which the tender must remain valid: 180 Days

Terms of contract:

The execution of the contract must be performed within the framework of sheltered employment programmes: Not yet known

Conditions relating to the performance of the contract: Further details in the official publication on simap.ch

Electronic invoicing: Required

Electronic ordering will be used: no

Electronic payment will be used: yes

Financial arrangement: Further details in the official publication on simap.ch

5.1.15. Techniques

Framework agreement:

No framework agreement

Information about the dynamic purchasing system:

No dynamic purchase system

5.1.16. Further information, mediation and review

Review organisation: Tribunal administratif fédéral

Information about review deadlines: Instructions on legal remedies In accordance with Article 56 paragraph 1 of the Public Procurement Act (PPA), a written appeal against this decision can be lodged with the Federal Administrative Court, P.O. Box, 9023 St. Gallen, Switzerland, within 20 days of notification. Any appeal is to be submitted in duplicate and must include what

is being sought, the grounds for appeal, evidence and the signature of the person lodging the appeal or his or her representative. A copy of this decision and available evidence must be included. The provisions of the Administrative Procedure Act (APA) on legal holidays do not apply in accordance with Article 56 paragraph 2 of the PPA.

Organisation providing additional information about the procurement procedure: ETH Zürich - Abt. Procurement & Export Services

8. Organisations

8.1. ORG-0001

Official name: ETH Zürich - Abt. Procurement & Export Services

Registration number: 894f1883-0c3c-42a8-b58c-ef232d567cf1

Postal address: Binzmühlestrasse 130

Town: Zürich

Postcode: 8092

Country subdivision (NUTS): Zürich (CH040)

Country: Switzerland

Email: publictender@ethz.ch

Telephone: +41446321111

Internet address: <https://www.ethz.ch>

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

8.1. ORG-0002

Official name: Tribunal administratif fédéral

Registration number: BVGER

Postal address: Postfach

Town: St. Gallen

Postcode: 9023

Country subdivision (NUTS): St. Gallen (CH055)

Country: Switzerland

Email: info@bvger.admin.ch

Telephone: +41584652626

Internet address: <https://www.bvger.ch>

Roles of this organisation:

Review organisation

8.1. ORG-0003

Official name: Simap.ch

Registration number: CH001

Postal address: Holzikofenweg 36

Town: Bern

Postcode: 3003

Country subdivision (NUTS): Bern / Berne (CH021)

Country: Switzerland

Email: support@simap.ch

Telephone: +41584646388

Internet address: <https://www.simap.ch>

Roles of this organisation:

Notice information

Notice identifier/version: 757d032f-7cb1-4bbe-8b0d-3d39d0a37fc9 - 01

Form type: Competition

Notice type: Contract or concession notice – standard regime

Notice subtype: 16

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