

Sweden-Linköping: Laboratory, optical and precision equipments (excl. glasses)

OJ S 237/2023 08/12/2023

Contract award notice

Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Linköpings universitet

National registration number: 202100-3096

Postal address: Upphandlingsenheten

Town: Linköping

NUTS code: SE123 Östergötlands län

Postal code: 58183

Country: Sweden

Contact person: Jessica Thoresson

E-mail: jessica.thoresson@liu.se**Internet address(es):**Main address: <http://www.liu.se>**I.4. Type of the contracting authority**

Ministry or any other national or federal authority, including their regional or local subdivisions

I.5. Main activity

Education

Section II: Object

II.1. Scope of the procurement**II.1.1. Title**

Nanoindenter

Reference number: IFM-2023-00334

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

Procurement of a new Nanoindenter to IFM/LiU.

The equipment will primarily be used for research on thin films synthesized by techniques such as magnetron sputtering and arc deposition. There is a variety in the application areas, thus thin films with various mechanical properties and thicknesses are of relevance. Hard coatings for wear resistant applications constitutes a substantial part of the research interest, thus characterization of hard coatings on more compliant substrates will be required.

The equipment will be used to probe the mechanical properties, primarily hardness and elasticity, but also crack growth and fracture. Typical materials investigated include, but is not limited to, TiN, TiAlN, CrN, Al₂O₃, Ti₃SiC₂ and metallic multicomponent alloys. A more detailed description of the procurement object and the requirements is presented in chapter 2, Specification of requirements.

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7. Total value of the procurement

Value excluding VAT: 1 298 000,00 SEK

II.2. Description

II.2.3. Place of performance

NUTS code: SE123 Östergötlands län

Main site or place of performance: Linköping

II.2.4. Description of the procurement

Procurement of a new Nanoindenter to IFM/LiU.

Scope and objective

The material research of the Department of physics, chemistry and biology is focused on understanding relationships between synthesis, microstructures and properties of materials. The research covers several materials and syntheses techniques and often forms the basis for new and improved materials and processes of interest for industrial applications. Much of the material research focuses on thin films or surfaces. The equipment will be installed at the Nanostructured materials group but will be available for all interested users at the department. The equipment will primarily be used for research on thin films synthesized by techniques such as magnetron sputtering and arc deposition. There is a variety in the application areas, thus thin films with various mechanical properties and thicknesses are of relevance. Hard coatings for wear resistant applications constitutes a substantial part of the research interest, thus characterization of hard coatings on more compliant substrates will be required.

The equipment will be used to probe the mechanical properties, primarily hardness and elasticity, but also crack growth and fracture. Typical materials investigated include, but is not limited to, TiN, TiAlN, CrN, Al₂O₃, Ti₃SiC₂ and metallic multicomponent alloys.

The Equipment, including e.g. PC and electronics, will be placed in a room with dimensions of 2.9 x 2.9 m. Today, there is a vibration isolated table (Newport) in the room with outer dimensions of 90 x 90 cm and height of 74 cm. The vibration isolated plate is 60 x 49 cm. This table can be used to hold the Equipment if required by the supplier.

The Equipment must include all components in terms of hardware and software necessary to achieve the described functions and specifications in the procurement documents.

In addition to the Equipment, and associated service and support, LiU must be able to order consumables, spare parts and accessories under this contract.

A more detailed description of the procurement object and the requirements is presented in chapter 2, Specification of requirements.

II.2.5. Award criteria

Price

II.2.11. Information about options

Options: no

II.2.13.

Information about European Union funds

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

II.2.14. Additional information

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure

IV.1.3. Information about a framework agreement or a dynamic purchasing system

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.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2023/S 193-603549](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a prior information notice

Section V: Award of contract

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

23/11/2023

V.2.2. Information about tenders

Number of tenders received: 2

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: QuantumDesign GmbH

National registration number: 284734472

Postal address: Im Tiefen See 58

Town: Darmstadt

NUTS code: DE71 Darmstadt

Postal code: 64293

Country: Germany

E-mail: ausschreibungen@qd-europe.com

Internet address: <https://qd-europe.com>

The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 1 298 000,00 SEK

V.2.5. Information about subcontracting

Section VI: Complementary information

VI.3. Additional information

MerCell notice: <https://opic.com/id/afwmdkikdz>

VI.4. Procedures for review

VI.4.1. Review body

Official name: Förvaltningsrätten i Linköping

Town: Linköping

Country: Sweden

VI.5. Date of dispatch of this notice

05/12/2023