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Planning

## **Slitter Equipment for UKBIC Flexible Industrialisation Line (FIL)**

UK Battery Industrialisation Centre

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-025175

Procurement identifier (OCID): ocds-h6vhtk-0366c5

Published 8 September 2022, 8:15am

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

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

UK Battery Industrialisation Centre

Rowley Road, Baginton

Coventry

CV8 3AL

#### **Contact**

Procurement

#### **Email**

[ProcurementTenders@ukbic.co.uk](mailto:ProcurementTenders@ukbic.co.uk)

#### **Telephone**

+44 2475267743

**Country**

United Kingdom

**Region code**

UKG3 - West Midlands

**Internet address(es)**

Main address

<https://www.ukbic.co.uk/>

Buyer's address

<https://www.ukbic.co.uk/>

**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**

Other activity

Research & Development

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Slitter Equipment for UKBIC Flexible Industrialisation Line (FIL)

Reference number

DN631365

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

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

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

Supplies

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

UKBIC has a requirement to purchase a range of equipment relating to the manufacture of battery electrodes to establish a Flexible Industrialisation Line (FIL) at the UK Battery Industrialisation Centre.

The UK Battery Industrialisation Centre (UKBIC) is part of the UK Government's Faraday Battery Challenge. UKBIC is a national battery manufacturing development facility helping to scale-up battery manufacturing and facilitate upskilling in the battery sector. We are a publicly funded, open access facility, funded by the Faraday Battery Challenge at UK Research and Innovation (UKRI).

This PIN lists the general requirements for anode and cathode slitting equipment to be housed in a clean and dry room for a battery electrode Flexible Industrialisation Line (FIL) at UKBIC

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

This contract is divided into lots: No

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

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

NUTS codes

- UKG3 - West Midlands

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

Vendors are invited to submit a bid to provide a flexible Slitting system to fit into a clean and dryroom. This system would need to be representative and scale-able to a larger system

- Slitting machine needs to be capable of slitting all common li-ion electrode thicknesses.
- Machines in the range of 320mm to 640mm foil width will be considered. Minimum slit width down to 50mm.
- Trim edges down to 10mm, with collection of trim for disposal. Maximum of 8 slit widths.
- The slitting width accuracy must be better than +/- 0.2 mm.
- The slitter must collect the dust parts from slitting the coated foil.
- The slitter will be operated in a clean and dry environment. Equipment to be capable of operating in a -70°C dewpoint environment.
- Please provide previous experience history of slitting li-ion or other electrodes.

One Slitting machine must be procured – if budget allows, a second Slitting machine may be procured to separate anode and cathode Slitting process to avoid cross-contamination. The tenderer is encouraged to provide a quotation to suggest what savings could be made if a second slitter was ordered at the same time as the first.

The equipment must offer modular solution, so equipment can be easily reconfigured or decommissioned in the future.

Bidders are encouraged to offer alternate slitting systems applicable to battery electrodes e.g laser slitting.

All equipment to provide UKCA conformity.

#### **II.3) Estimated date of publication of contract notice**

16 January 2023

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## **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

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## **Section VI. Complementary information**

### **VI.3) Additional information**

- Budget Costing – Cost estimation for similar systems
- Indicative operational costs
- Timing
- Layout / footprint (operational and equipment)
- Brochures
- Specification sheets
- Unique selling points compared to competition
- Technical and service support in the UK
- Typical Services required for: Power (Load - XX kw)/ Chilled water (Load - XX kW) / Compressed air (Min/Max Pressure - XX bar)/ Special Gas requirements/ Compressed air (Min/Max Pressure - XX bar)/ Equipment heat load (Thermal power released - XX W)/ Waste-water and -air