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Contract

## **3724/AMRC/JS/23 - Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade**

The University Of Sheffield, AMRC

F03: Contract award notice

Notice identifier: 2023/S 000-036832

Procurement identifier (OCID): ocds-h6vhtk-03c68e

Published 14 December 2023, 3:30pm

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

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

The University Of Sheffield, AMRC

Advanced Manufacturing Research Centre

Catcliffe

S60 5TZ

#### **Contact**

Mary Leverton

#### **Email**

[m.young@sheffield.ac.uk](mailto:m.young@sheffield.ac.uk)

#### **Telephone**

+44 1142226694

#### **Country**

United Kingdom

**NUTS code**

UKE31 - Barnsley, Doncaster and Rotherham

**Internet address(es)**

Main address

[www.sheffield.ac.uk](http://www.sheffield.ac.uk)

Buyer's address

<https://in-tendhost.co.uk/sheffield>

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

Education

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**Section II: Object**

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

**II.1.1) Title**

3724/AMRC/JS/23 - Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade

Reference number

3724/AMRC/JS/23

**II.1.2) Main CPV code**

- 42000000 - Industrial machinery

**II.1.3) Type of contract**

Supplies

**II.1.4) Short description**

3724/AMRC/JS/23 - Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade  
 The University of Sheffield wishes to invite tenders for a Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade on behalf of the Advanced Manufacturing Research Centre, at Catcliffe, South Yorkshire.

**II.1.6) Information about lots**

This contract is divided into lots: No

**II.1.7) Total value of the procurement (excluding VAT)**

Value excluding VAT: £238,000

**II.2) Description****II.2.2) Additional CPV code(s)**

- 42000000 - Industrial machinery
- 42997300 - Industrial robots

**II.2.3) Place of performance**

NUTS codes

- UKE31 - Barnsley, Doncaster and Rotherham

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

3724/AMRC/JS/23 - Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade  
 The University of Sheffield wishes to invite tenders for a Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade on behalf of the Advanced Manufacturing Research Centre, at Catcliffe, South Yorkshire.  
 Scope of Requirement  
 The AMRC Composite Centre (general information about the facility can be found at <https://www.amrc.co.uk/facilities/composite-centre>) has been performing research and development in filament winding since 2012, a technology which has proven very popular with both AMRC partner companies and local businesses. The original facility allowed for the winding of thermoset prepregs and wet-winding at standard tensions but did not have the full capability for melting & processing of thermoplastics. The AMRC now has a requirement for an upgrade to its fibre reinforced thermoplastic tape winding capabilities, relating to pressure vessel (PV) winding in particular. The equipment will be used on projects that work with both academia and industry to deliver cutting edge research into thermoplastic composites.  
 Interlocked Laser Safe Enclosure  
 An Interlocked Laser Safe Enclosure houses the entire system so the upgraded system must fit inside the enclosure.

Please see Appendix A which shows the current dimensions of the enclosure. Upgrade We are looking for an innovative solution which is expected to comprise the following generic elements, but other solutions will be considered:-? Fibre Reinforced Thermoplastic Tape Winding Head capable of accommodating both the existing 2 kW IPG Photonics Laser and HUMM3 Heating System (albeit not at the same time).? A new Robot able to handle the Fibre Reinforced Thermoplastic Tape Winding Head ? Spindles to mount the pressure vessel being manufactured? Associated software and equipment controller(s) for the operation of the equipment and tape planning Tender Process and Documentation: This procurement is open procedure voluntarily conducted in accordance with the Public Contracts Regulations 2015 The ITT can be downloaded by registering and expressing your interest on the University's e-tendering system <https://in-tendhost.co.uk/Sheffield> If you have any questions or comments in relation to this tender they must be submitted via the In-tend System, this can be accessed at <https://in-tendhost.co.uk/SheffieldCompleted> tenders must be returned through the same e-tendering system. Closing date for receipt of tenders: Friday 9th June 2023 at 12 noon (UK time).

#### **II.2.5) Award criteria**

Quality criterion - Name: Quality / Weighting: 60

Cost criterion - Name: Cost / Weighting: 10

#### **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

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## **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.2.1) Previous publication concerning this procedure**

Notice number: [2023/S 000-012896](#)

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## **Section V. Award of contract**

### **Contract No**

3724/AMRC/JS/23

### **Title**

Fibre Reinforced Thermoplastic Tape Winding Equipment Upgrade

A contract/lot is awarded: Yes

### **V.2) Award of contract**

#### **V.2.1) Date of conclusion of the contract**

22 November 2023

#### **V.2.2) Information about tenders**

Number of tenders received: 3

Number of tenders received from SMEs: 3

Number of tenders received from tenderers from other EU Member States: 2

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 3

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

**V.2.3) Name and address of the contractor**

Addcomposites Oy

Espoo

Country

Finland

NUTS code

- FI1B1 - Helsinki-Uusimaa

The contractor is an SME

Yes

**V.2.4) Information on value of contract/lot (excluding VAT)**

Initial estimated total value of the contract/lot: £250,000

Total value of the contract/lot: £238,000

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**Section VI. Complementary information**

**VI.4) Procedures for review**

**VI.4.1) Review body**

High Court of Justice

London

Country

United Kingdom

