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Contract

Analysis of Ceramic to Metal bonding

UK Industrial Fusion Solutions Ltd

UK7: Contract details notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-050545

Procurement identifier (OCID): ocds-h6vhtk-058c2b

Published 21 August 2025, 2:05pm

Scope

Description

The objective of this work package is to analyse the ceramic to metal bonding used in microwave components that form vacuum barriers. There are a variety of bonds to be investigated ranging from microwave vacuum windows that have low negligible thermal or mechanical loads, to components in high power microwave sources that are subject to high thermal loads that then induce mechanical strain from the induced thermal gradients. The analysis will focus on pre-and post-cyclic fatigues tested components to evaluate the integrity of the bonding joint for its vacuum and thermal conductivity integrity. In some components, the use of SEMs capable of monitoring the bond during temporal loading will be required.

To view this notice, please click here:

<https://www.delta-esourcing.com/delta/viewNotice.html?noticeId=974863021>

Contract 1

Supplier

- University of Manchester

Contract value

- £125,000 including VAT

Below the relevant threshold

Date signed

26 June 2025

Contract dates

- 27 June 2025 to 31 March 2026
- 9 months, 4 days

Main procurement category

Services

CPV classifications

- 71350000 - Engineering-related scientific and technical services

- 71620000 - Analysis services
- 73111000 - Research laboratory services

Procedure

Procedure type

Below threshold - without competition

Supplier

University of Manchester

The University of Manchester, Oxford Rd

Manchester

M13 9PL

United Kingdom

Contact name: Aneeqa Khan

Email: aneeqa.khan@manchester.ac.uk

Region: UKD33 - Manchester

Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Contract 1

Contracting authority

UK Industrial Fusion Solutions Ltd

- Public Procurement Organisation Number: PCRM-7973-DCBL

Culham Science Centre

Abingdon

OX14 3DB

United Kingdom

Email: operationalprocurement.step@ukifs.uk

Region: UKJ14 - Oxfordshire

Organisation type: Public undertaking (commercial organisation subject to public authority oversight)