

120618-2026 - Result

Germany – Microelectronic machinery and apparatus – Polymer-metal CMP (IZM-30 - PR915311-2590-P

OJ S 36/2026 20/02/2026

Contract or concession award notice – standard regime

Supplies

1. Buyer

1.1. Buyer

Official name: Fraunhofer-Gesellschaft - Einkauf B12

Email: einkauf@zv.fraunhofer.de

Legal type of the buyer: Public undertaking

Activity of the contracting authority: General public services

2. Procedure

2.1. Procedure

Title: Polymer-metal CMP (IZM-30 - PR915311-2590-P

Description: Polymer-metal CMP (IZM-30)

Procedure identifier: bf42a5bf-b13c-482a-8e47-1297c9286760

Internal identifier: PR915311-2590-P

Type of procedure: Negotiated without prior call for competition

2.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 31712100 Microelectronic machinery and apparatus

2.1.2. Place of performance

Town: Berlin

Postcode: 13355

Country subdivision (NUTS): Berlin (DE300)

Country: Germany

2.1.4. General information

Legal basis:

Directive 2014/24/EU

vgv -

5. Lot

5.1. Lot: LOT-0000

Title: Polymer-metal CMP (IZM-30 - PR915311-2590-P

Description: 1 piece: Polymer-metal CMP System With the advancement of 2.5D/3D packaging and especially with heterogeneous integration of different materials, there are several W2W or D2W bonding technologies or high density RDL planarization (l/s 1µm), which might involve various materials like Si, SiO, SiN, polymers, metals, and the surface roughness or topography is of essential importance. These surfaces have to be prepared by chemical mechanical planarization (CMP) to generate a surface with a roughness below 0.5nm to

enable bonding of different materials properly or, on the other hand, for RDLs with L/S in the area of 1µm, each layer has to be planarized to minimize surface topography and to enable RDL layer stacking to 4-6 layers. The wafer tool should be capable to handle wafers, metal and dielectric planarization and the needed different slurries should be taken out in separated chambers, subsequent wafer rinsing/cleaning and drying should be included in the tool as well. The planarization head should address flexible needs regarding the wafer TTV/warpage and target materials (metal and anorganic/organic dielectric), e.g. varying pressure zones on the CMP head. The wafer base material is not limited to Si, it could be glass or other semiconducting materials. For fusion bonding interfaces like SiO-SiO or polymer-polymer bonding, a sufficient roughness across the wafer below or equal to Ra=0.5nm (in the case of SiO interface) should be realizable with the tool. For the case of RDL planarization the tool has to planarize polymer and metal at the same time sufficiently to enable damascene processing. Therefore, no excessive dishing of metal and no smearing of the metal across the dielectric is allowed. Optional features: - Machine should provide a SECS/GEM interface - Possibility to load cassettes with less than 25 slots and increased space between the individual slots (robot teaching and possible machine/software reboot allowed).
Internal identifier: LOT-0000

5.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 31712100 Microelectronic machinery and apparatus

5.1.2. Place of performance

Town: Berlin

Postcode: 13355

Country subdivision (NUTS): Berlin (DE300)

Country: Germany

5.1.3. Estimated duration

Duration: 60 Days

5.1.6. General information

Procurement Project fully or partially financed with EU Funds.

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

5.1.7. Strategic procurement

Aim of strategic procurement: No strategic procurement

5.1.10. Award criteria

Criterion:

Type: Quality

Name: Technical Specification

Description: Technical Specification

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 65

Criterion:

Type: Price

Name: Price

Description: Price

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 35

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: Vergabekammern des Bundes

Organisation providing additional information about the procurement procedure: Fraunhofer-Gesellschaft - Einkauf B12

Organisation providing more information on the review procedures: Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.

6. Results

Value of all contracts awarded in this notice: unpublished

Justification code: Law enforcement

Direct award

:

Justification for direct award: Need for additional works or services by the original contractor

Other justification: Direct awarding due to patents

6.1. Result lot identifier: LOT-0000

Winner selection status: At least one winner was chosen.

6.1.2. Information about winners

Winner:

Official name: Applied Materials GmbH

Tender:

Tender identifier: TEN-0001

Identifier of lot or group of lots: LOT-0000

Value of the tender: unpublished

Justification code: Law enforcement

Subcontracting: No

Contract information:

Identifier of the contract: CON-0001

Date of the conclusion of the contract: 17/02/2026

6.1.4. Statistical information

Received tenders or requests to participate:

Type of received submissions: Tenders

Number of tenders or requests to participate received: 1

Type of received submissions: Tenders submitted electronically

Number of tenders or requests to participate received: 1

Type of received submissions: Tenders from micro, small or medium tenderers

Number of tenders or requests to participate received: 0

Type of received submissions: Tenders from tenderers registered in other European Economic Area countries than the country of the buyer

Number of tenders or requests to participate received: 0

Type of received submissions: Tenders from tenders registered in countries outside of the European Economic Area

8. Organisations

8.1. ORG-7001

Official name: Fraunhofer-Gesellschaft - Einkauf B12

Registration number: DE 129515865

Postal address: Hansastraße 27c

Town: München

Postcode: 80686

Country subdivision (NUTS): München, Kreisfreie Stadt (DE212)

Country: Germany

Contact point: Einkauf Betrieb und Infrastruktur

Email: einkauf@zv.fraunhofer.de

Telephone: +49891205-0

Internet address: <https://vergabe.fraunhofer.de/>

Buyer profile: <https://vergabe.fraunhofer.de/NetServer/>

Roles of this organisation:

Buyer

Central purchasing body awarding public contracts or concluding framework agreements for works, supplies or services intended for other buyers

Organisation providing additional information about the procurement procedure

8.1. ORG-7004

Official name: Vergabekammern des Bundes

Registration number: t:022894990

Postal address: Kaiser-Friedrich-Straße 16

Town: Bonn

Postcode: 53113

Country subdivision (NUTS): Bonn, Kreisfreie Stadt (DEA22)

Country: Germany

Email: vk@bundeskartellamt.bund.de

Telephone: +49 228 9499-0

Roles of this organisation:

Review organisation

8.1. ORG-7005

Official name: Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.

Registration number: DE-129515865

Postal address: Hansastraße 27c

Town: München

Postcode: 80686

Country subdivision (NUTS): München, Kreisfreie Stadt (DE212)

Country: Germany

Email: einkauf@zv.fraunhofer.de

Telephone: +49 89 1205-0

Internet address: <https://www.fraunhofer.de>

Roles of this organisation:

Organisation providing more information on the review procedures

8.1. ORG-0001

Official name: Applied Materials GmbH
Size of the economic operator: Large
Registration number: 199507015D
Postal address: Upper Changi Road North 8
Town: Singapur
Postcode: 506906
Country: Singapore
Email: imge_namal@amat.com
Telephone: (65) 63117000

Roles of this organisation:

Tenderer

Beneficial owner:

Winner of these lots: LOT-0000

8.1. ORG-7006

Official name: Datenservice Öffentlicher Einkauf (in Verantwortung des Beschaffungsamts des BMI)
Registration number: 0204:994-DOEVD-83
Town: Bonn
Postcode: 53119
Country subdivision (NUTS): Bonn, Kreisfreie Stadt (DEA22)
Country: Germany
Email: noreply.esender_hub@bescha.bund.de
Telephone: +49228996100

Roles of this organisation:

TED eSender

Notice information

Notice identifier/version: fcccb14d-ef89-438b-af80-e4f99b9a0d23 - 01
Form type: Result
Notice type: Contract or concession award notice – standard regime
Notice subtype: 29
Notice dispatch date: 18/02/2026 15:07:55 (UTC+01:00) Central European Time, Western European Summer Time
Languages in which this notice is officially available: German, English
Notice publication number: 120618-2026
OJ S issue number: 36/2026
Publication date: 20/02/2026