**Invitation to Tender**

**3D Solder Paste Inspection system, PCBA Cleaning Station and Conformal Coating System**

**Ref: RD 502\_02**

# 1. About company name

Sellectronics was established in 2008. We manufacture printed circuit board assemblies for a wide range of applications. Our core sectors cover industrial, medical, aerospace and oil and gas.

# 2. Background and Context

We wish to procure a 3D Solder Paste Inspection system, PCBA Cleaning Station and Conformal Coating System.

We will assess tenders received for each system on the lowest compliant Tender.

# 3. Tender requirements

Tenderers are requested to provide responses for each of the following 3 Lots. A tenderer can provide a response for individual lots or multiple Lots. However, each Lot will be assessed separately and the contract will be awarded for each lot in accordance with section:

1. **Lot 1 3D Solder Paste Inspection platform**

This equipment must integrate both physically and software operation with our existing Etek RS1 Pick and Place machine

1. 8030-2 L-Size Single Lane IR 2W/4M L>R 15um C- Platform
2. Platform: C-Platform (Standard)
3. Type: 8030-2 L-Size
4. Camera Resolution: 15 Micron
5. Projection: 2W (Standard)
6. Camera: 4 Mpix (Standard)
7. Illumination: IR-RGB LED
8. OS: Win10 Enterprise 64bit (Standard)
9. Conveyor: Single Lane (Standard)
10. Conveyor Type: Front Fix (Standard)
11. Conveyor Belt Type: Ring Belt ESD (Standard)
12. Conveyor PCB Transfer Height: 870-950mm (Standard)
13. Conveyor PCB Direction: L->R (Standard)
14. PCB Size Max: 510x510mm Front Fix (Standard)
15. PCB Size Min: 50x50mm
16. PCB Thickness: 0.4~5mm
17. ESD: Standard ESD + Extended Safety Option
18. CE-Declaration: English (Standard)
19. Specification according to standard set-up
20. Dimension System W\*D\*H (mm): 1000\*1265\*1627
21. Library LM, Monitoring RTM AND Analysis SPC
22. Delivery to our site Church View Business Park, Falmouth, Cornwall, TR11 4FZ
23. Commissioning and setting to work at our premises
24. Operator training for 4
25. **Lot 2 PCBA Cleaning Station**
26. Two tank system with triple circuit function
27. Smart Factory ready: DNAccess, remote control, traceability (PLC data scanning and memorizing)
28. Fully automatic 4step process: cleaning, rinsing (tap water), DI- water rinsing, VMH®-TurboDigital hot air evaporative drying
29. 10 seconds relative cycle time for the cleaning, rinsing and drying one eurocard
30. Horizontal PTFE mounted rotor system with up to eight asynchronous spray rotors for thorough wetting (no blind spots)
31. Heater cleaning tank A, automatic water change for the rinsing circuit, DI water system, mixing-blending unit, water measuring unit (ion contamination measurement), ion exchanger and fine filter system as standard
32. Processes and service intervals PLC controlled. Event issuing and software control via touch screen
33. Suitable for high temperature cleaning and rinsing up to 80 °C (176 °F)
34. Fine filter system
35. Light 5 fold
36. MediumWipe
37. PSE 7 upper/middle
38. 25 litre detergent
39. Delivery to our site Church View Business Park, Falmouth, Cornwall, TR11 4FZ
40. Commissioning and setting to work at our premises
41. Operator training for 4
42. **Lot 3** **Conformal Coating System**
43. Robotic system repeatability of 25 microns
44. Patented servo-controlled optional four-axis motion featuring valve tilt and rotate
45. Closed-loop process control throughout gantry system
46. Multiple dispensing applications or materials in one cell
47. Onboard PC and operating system with unlimited program storage
48. X,Y Fiducial correction camera
49. Black light mounted
50. Fourth axis with single motorized tilt (+50 degrees to -50 degrees) and tool changer
51. Additional FC100 valve with micrometer unmounted
52. ES Ultra fine atomized spray valve mount (0.08” – 0.24”)
53. FCM100 micro dispense valve mount
54. FC100-MC front closing valve mount
55. 41" Edge chain conveyor
56. Hand crank adjust
57. Manual flush system; 12 oz. retainer as flush vessel
58. 2 Gallon SS pressure pot with full removable lid
59. Digital scale low level material sensor
60. Delivery to our site Church View Business Park, Falmouth, Cornwall, TR11 4FZ
61. Commissioning and setting to work at our premises
62. Operator training for 4

4**. Budget**

The total maximum budget available for:

Lot 1 is £ 85,000.00 (exc VAT) but inclusive of all expenses.

Lot 2 is £ 70,000.00 (exc VAT) but inclusive of all expenses.

Lot 3 is £ 80,000.00 (exc VAT) but inclusive of all expenses.

**Tenders that exceed the individual Lot budget will not be considered.**

# 5. Tender and commission timetable

The timescale of the programme is from the date of signing the contract until the acceptance of the equipment and associated warranties. The timetable for submission of the Tender, completion of the programme are set out below.

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Date ITT available on Contracts Finder | 5 August 2024 |
| Last date for raising queries | 1700: 12 August 2024 |
| Last date for clarifications to queries | 1700: 13 August 2024 |
| Deadline to return ITT | **1700: 23 August 2024** |
| Evaluation of ITT | 26 August 2024 |
| Award of Contract  | 27 August 2024 |
| Delivery of the equipment to Sellectronics | 31 October 2024 |

# 6. Tender submission requirements

Please include the following information in your Tender submission for each Lot.

6.1 Covering letter (two sides of A4 maximum) to include:

1. A single point of contact for all contact between the tenderer and Sellectronics Ltd during the tender selection process, and for further correspondence.
2. Confirmation that the tenderer has the resources available to meet the requirements outlined in this brief and its timelines
3. Conflict of interest statement

6.2 Proposal

6.3 Conflict of Interest statement section 8

6.3 Price for delivering the requirement at section 3 in accordance with section 4.

**7. Sub-contracting**

Tenderers should note that a consortia can submit a tender but the sub-contracting of aspects of this commission after appointment will only be allowed by prior agreement with company name.

**8. Conflicts of Interest**

Tenderers must provide a clear statement with regard to potential conflicts of interests. Therefore, **please confirm within your tender submission** whether, to the best of your knowledge, there is any conflict of interest between your organisation and Sellectronics Ltd or its programme team that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise the impartiality and independence of any party in the context of this procurement procedure.

Receipt of this statement will permit Sellectronics Ltd to ensure that, in the event of a conflict of interest being notified or noticed, appropriate steps are taken to ensure that the evaluation of any submission will be undertaken by an independent and impartial panel.

# 9. Tender clarifications

Any clarification queries arising from this Invitation to Tender which may have a bearing on the offer should be raised by email to:

Jason@sellectronics.co.uk

contact emailin accordance with the Tender and Commission Timetable in section 5.

Responses to clarifications will be anonymised and uploaded by Sellectronics Ltd to Contracts Finder and will be viewable to all tenderers.

No representation by way of explanation or otherwise to persons or corporations tendering or desirous of tendering as to the meaning of the tender, contract or other tender documents or as to any other matter or thing to be done under the proposed contract shall bind Sellectronics Ltd unless such representation is in writing and duly signed by a Director/Partner of the tenderer. All such correspondence shall be returned with the Tender Documents and shall form part of the contract.

# 10. Tender evaluation methodology and award

Each Tender will be checked for completeness and compliance with all requirements of the ITT. The award of the contract will be to the LOWEST COMPLIANT BID.

# 11. Tender returns

Tenders are to be returned by email.

Tenders are to be returned in accordance with Section 5

Latest date to be returned: As per Section 5

Latest time to be returned: 17:00

Emailed tenders should be sent electronically to:

Jason@sellectronics.co.uk

with the following message clearly noted in the Subject box;

 ‘**RD502\_2** ’

**Tenderers are advised to request an acknowledgement of receipt of their email.**

**12.** **Disclaimer**

 The issue of this documentation does not commit Sellectronics Ltd to award any contract pursuant to the tender process or enter into a contractual relationship with any provider of the service. Nothing in the documentation or in any other communications made between Sellectronics Ltd or its agents and any other party, or any part thereof, shall be taken as constituting a contract, agreement or representation between Sellectronics Ltd and any other party (save for a formal award of contract made in writing by Sellectronics Ltd or on behalf of company name).

Tenderers must obtain for themselves, at their own responsibility and expense, all information necessary for the preparation of their tender responses. Information supplied to the tenderers by Sellectronics Ltd or any information contained in company name’s publications is supplied only for general guidance in the preparation of the tender response. Tenderers must satisfy themselves by their own investigations as to the accuracy of any such information and no responsibility is accepted by Sellectronics Ltd for any loss or damage of whatever kind and howsoever caused arising from the use by tenderers of such information.

Sellectronics Ltd reserves the right to vary or change all or any part of the basis of the procedures for the procurement process at any time or not to proceed with the proposed procurement at all.

Cancellation of the procurement process (at any time) under any circumstances will not render Sellectronics Ltd liable for any costs or expenses incurred by tenderers during the procurement process.